

# **XLINKS' MOROCCO-UK POWER PROJECT**

## **Environmental Statement**

**Volume 2, Appendix 5.6: Indicative Access Designs**

**Document Number: 6.2.5.6**

**PINS Reference: EN010164/APP/6.2**

**APFP Regulations: 5(2)(a)**

**November 2024**

**For Issue**



## XLINKS' MOROCCO – UK POWER PROJECT

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Document status					
Version	Purpose of document	Authored by	Reviewed by	Approved by	Review date
For Issue	Application	RPS	Xlinks 1 Ltd	Xlinks 1 Ltd	November 2024

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**Prepared by:**

**RPS**

**Prepared for:**

**Xlinks 1 Limited**

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## Glossary

Term	Meaning
Environmental Impact Assessment	The process of identifying and assessing the significant effects likely to arise from a project. This requires consideration of the likely changes to the environment, where these arise as a consequence of a project, through comparison with the existing and projected future baseline conditions.
Environmental Statement	The document presenting the results of the Environmental Impact Assessment process.
Onshore HVDC Cable Corridor	The proposed corridor within which the onshore High Voltage Direct Current cables would be located.
Proposed Development	The element of Xlinks' Morocco-UK Power Project within the UK. The Proposed Development covers all works required to construct and operate the offshore cables (from the UK Exclusive Economic Zone to Landfall), Landfall, onshore Direct Current and Alternating Current cables, converter stations, and highways improvements.
Xlinks' Morocco UK Power Project	The overall scheme from Morocco to the national grid, including all onshore and offshore elements of the transmission network and the generation site in Morocco (referred to as the 'Project').

## Acronyms

Acronym	Meaning
EIA	Environmental Impact Assessment
ES	Environmental Statement
HGV	Heavy Goods Vehicle
UK	United Kingdom

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Annex E : Gammaton Road Compound

Annex F : Gammaton Road Highway Works

# 1 INDICATIVE ACCESS DESIGNS

## 1.1 Introduction

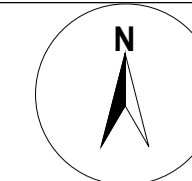
1.1.1 This document forms Volume 2, Appendix 5.6: Indicative Access Designs of the Environmental Statement (ES) prepared for the United Kingdom (UK) elements of the Xlinks Morocco-UK Power Project (the 'Project'). For ease of reference, the UK elements of the Project are referred to as the 'Proposed Development', which is the focus of the ES. The ES presents the findings of the Environmental Impact Assessment (EIA) process for the Proposed Development.

1.1.2 This document provides a series of preliminary highway design drawings showing the improvements to the local highway network set out in **Section 5.9** of Volume 2, Chapter 5: Traffic and Transport of the ES to facilitate access for HGVs and AILs to the Onshore HVDC Cable Corridor during both construction and operation and maintenance of the Proposed Development. All improvements to the local highway network as shown on the preliminary highway design drawings are subject to further detailed design and refinement.

- Cornborough Sewage Treatment Works (**Annex A**):
  - Sewage Treatment Works 16.5m Articulated Vehicle Swept Path Analysis (RPS Drawing Number JNY11468-RPS-0100-011, Rev A);
  - Sewage Treatment Works Cable Drum Vehicle Swept Path Analysis (RPS Drawing Number JNY11468-RPS-0100-012, Rev A); and
  - Sewage Treatment Works Visibility Splay (RPS Drawing Number JNY11468-RPS-0100-013, Rev A).
- Abbotsham Road (**Annex B**):
  - Preliminary Access Design Swept Path Analysis and Visibility Splay (RPS Drawing Number JNY11468-RPS-0100-014, Rev A).
- Littleham Road (**Annex C**):
  - Preliminary Access Design Existing Alignment (RPS Drawing Number JNY-11468-RPS-0100-015, Rev A); and
  - Preliminary Access Design Revised Residential Alignment (RPS Drawing Number JNY-11468-RPS-0100-016, Rev A).
- A386 (**Annex D**):
  - A386 / Littleham Road Junction Swept Path Analysis (RPS Drawing Number JNY11468-RPS-0100-025, Rev A).
- Gammaton Road Compound (**Annex E**):
  - Gammaton Road Compound Site Access Visibility Splay (RPS Drawing Number JNY11468-RPS-0100-019, Rev A); and
  - Gammaton Road Compound Site Access Swept Path Analysis (RPS Drawing Number JNY11468-RPS-0100-020, Rev A).

- Gammaton Road Highway Works (**Annex F**):
  - Gammaton Road Sheet 1 of 4  
(RPS Drawing Number JNY11468-RPS-0100-002, Rev A);
  - Gammaton Road Sheet 2 of 4  
(RPS Drawing Number JNY11468-RPS-0100-003, Rev A);
  - Gammaton Road Sheet 3 of 4  
(RPS Drawing Number JNY11468-RPS-0100-004, Rev A); and
  - Gammaton Road Sheet 4 of 4  
(RPS Drawing Number JNY11468-RPS-0100-005, Rev B).

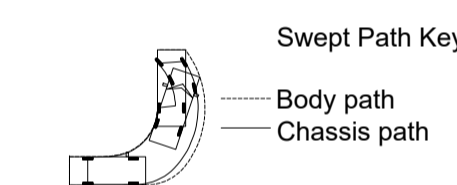
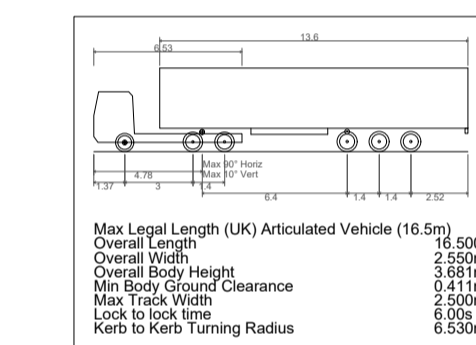
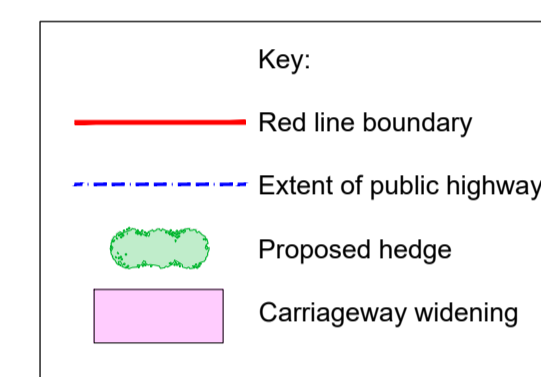
## **Annex A: Cornborough Sewage Treatment Works**



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Rev	Description	By	CB	Date
A	Amendments following client comments	AJ	AB	16/09/24



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 T: +44(0)1235 432 190 E: transport@rpsgroup.com

Client Xlinks

Project Xlinks Alverdiscott

Title **Sewage Treatment Works  
16.5m Articulated Vehicle  
Swept Path Analysis**

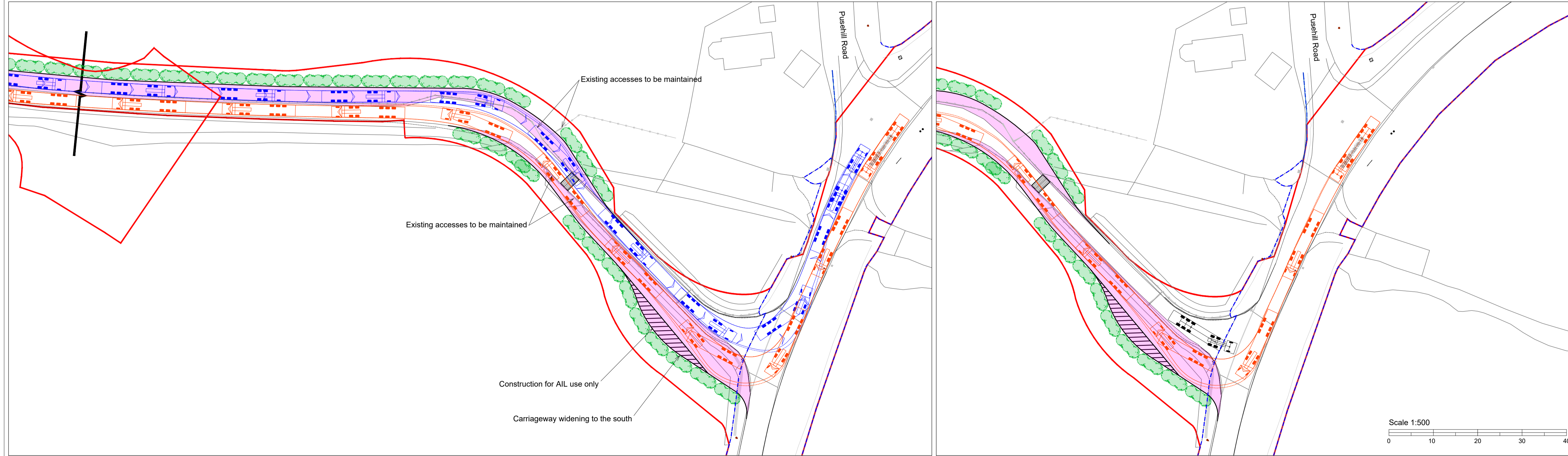
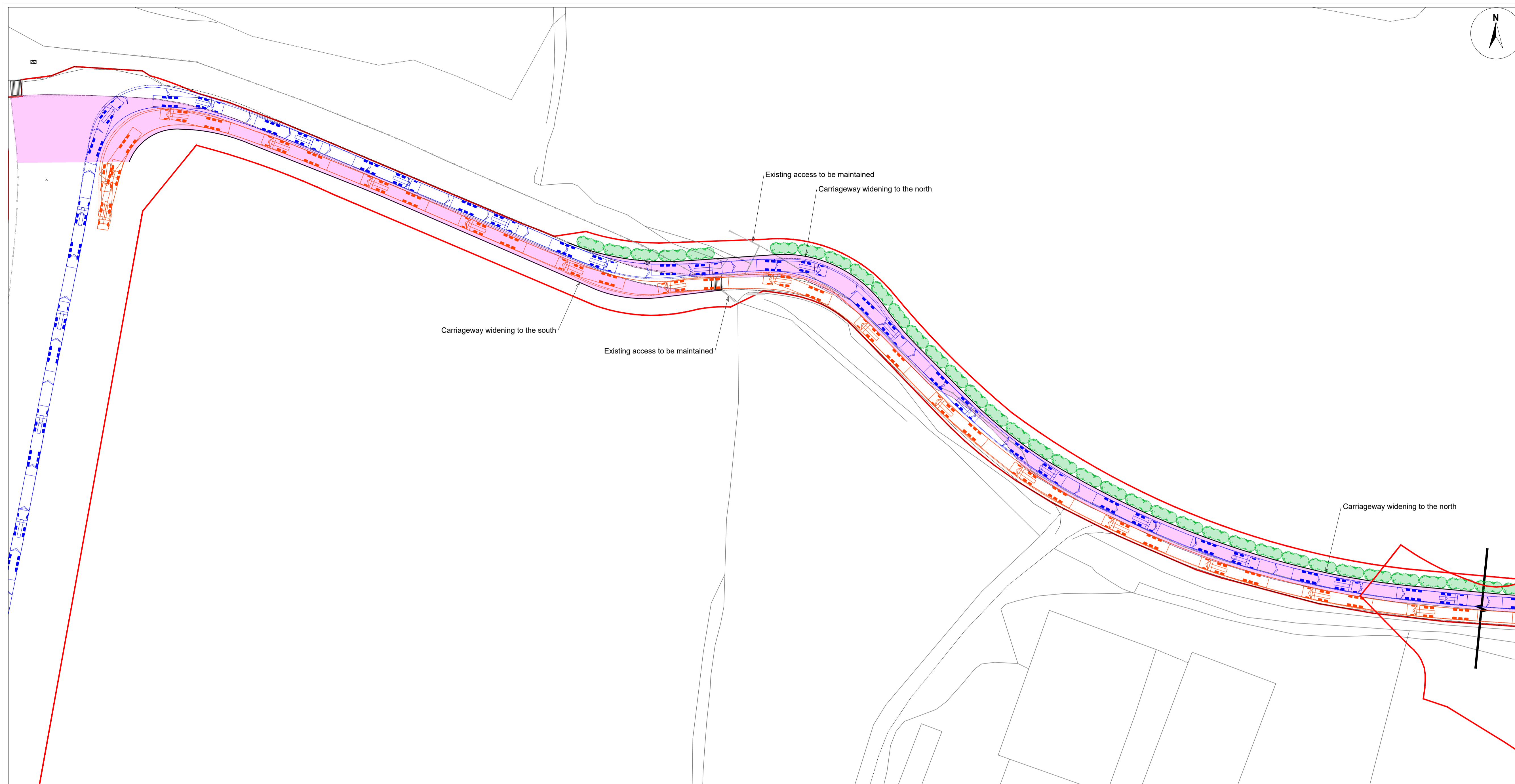
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Project Number JNY11468 Scale @ A1 1:500 Date Created 19/04/2024

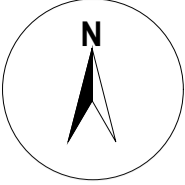
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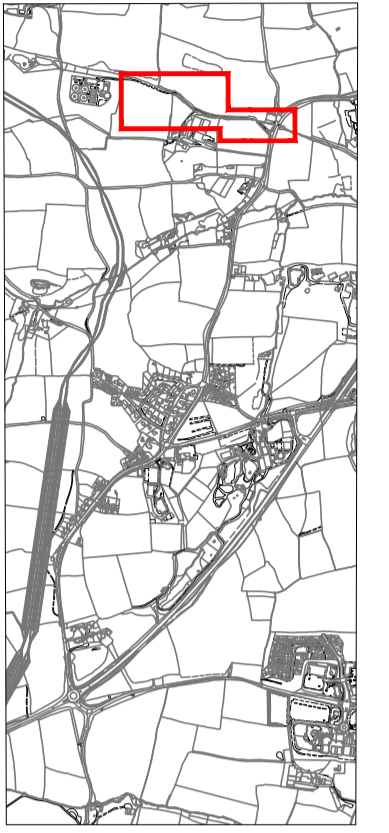




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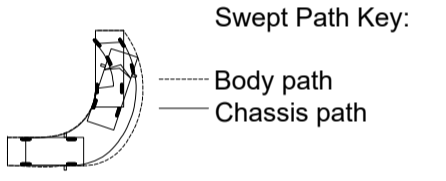
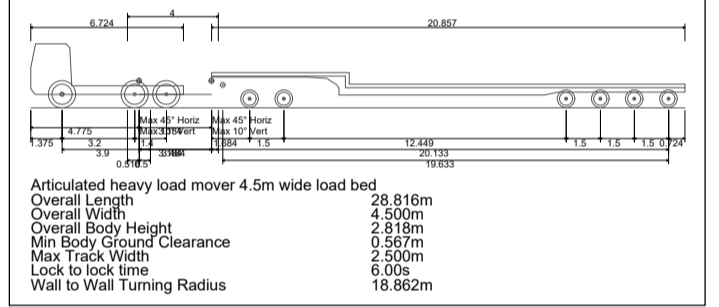
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**Key:**

- Red line boundary
- Extent of public highway
- Proposed hedge
- Carriageway widening



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Client **Xlinks**

Project **Xlinks Alverdiscott**

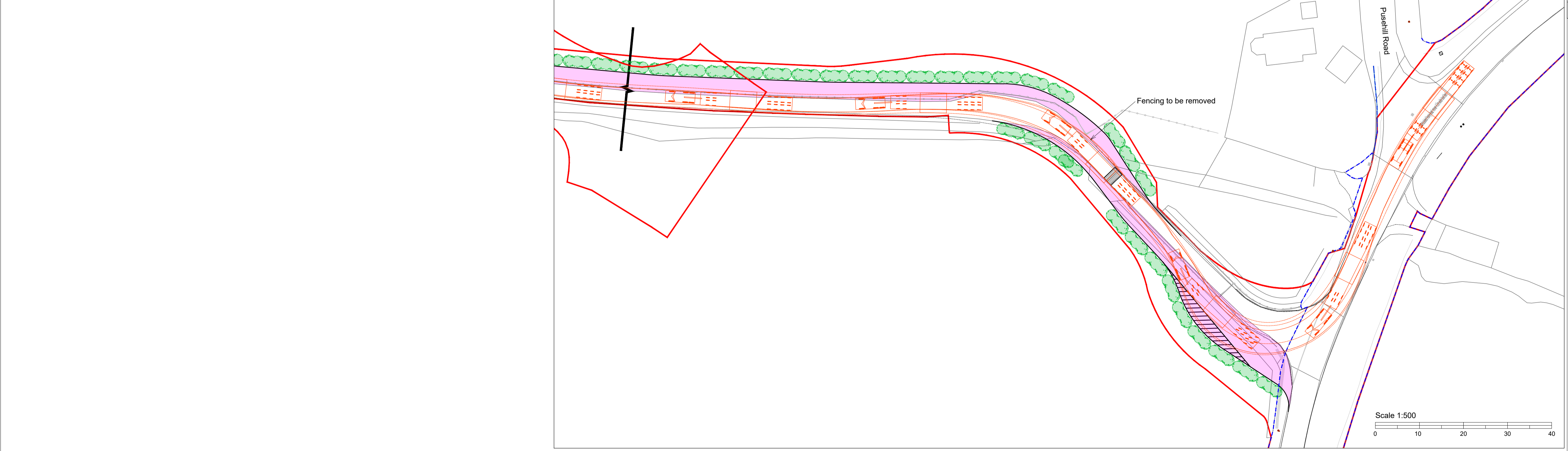
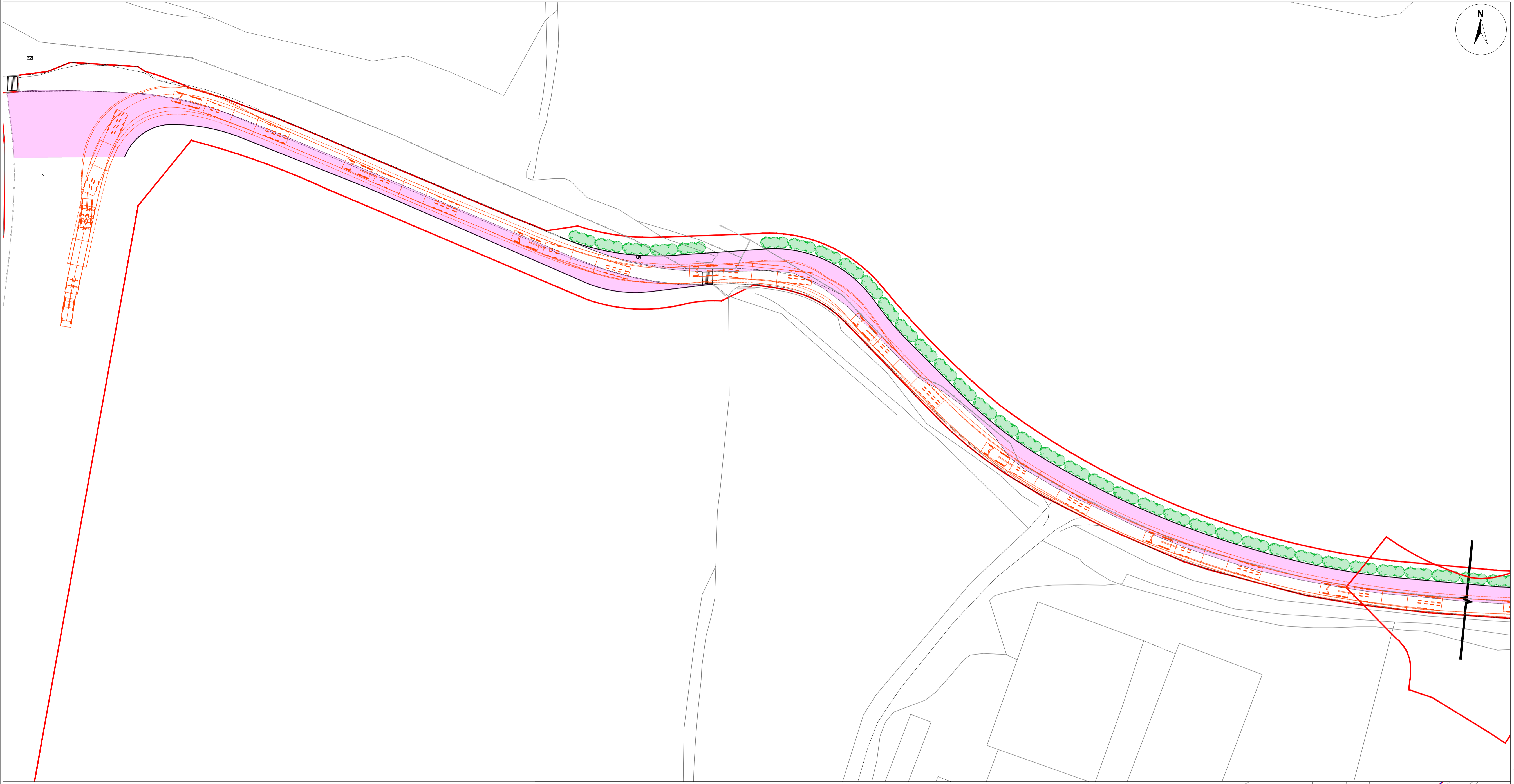
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Cable Drum Vehicle  
Swept Path Analysis**

Status	Drawn By	PM/Checked by
PRELIMINARY	AJ	JG

Project Number	Scale @ A1	Date Created
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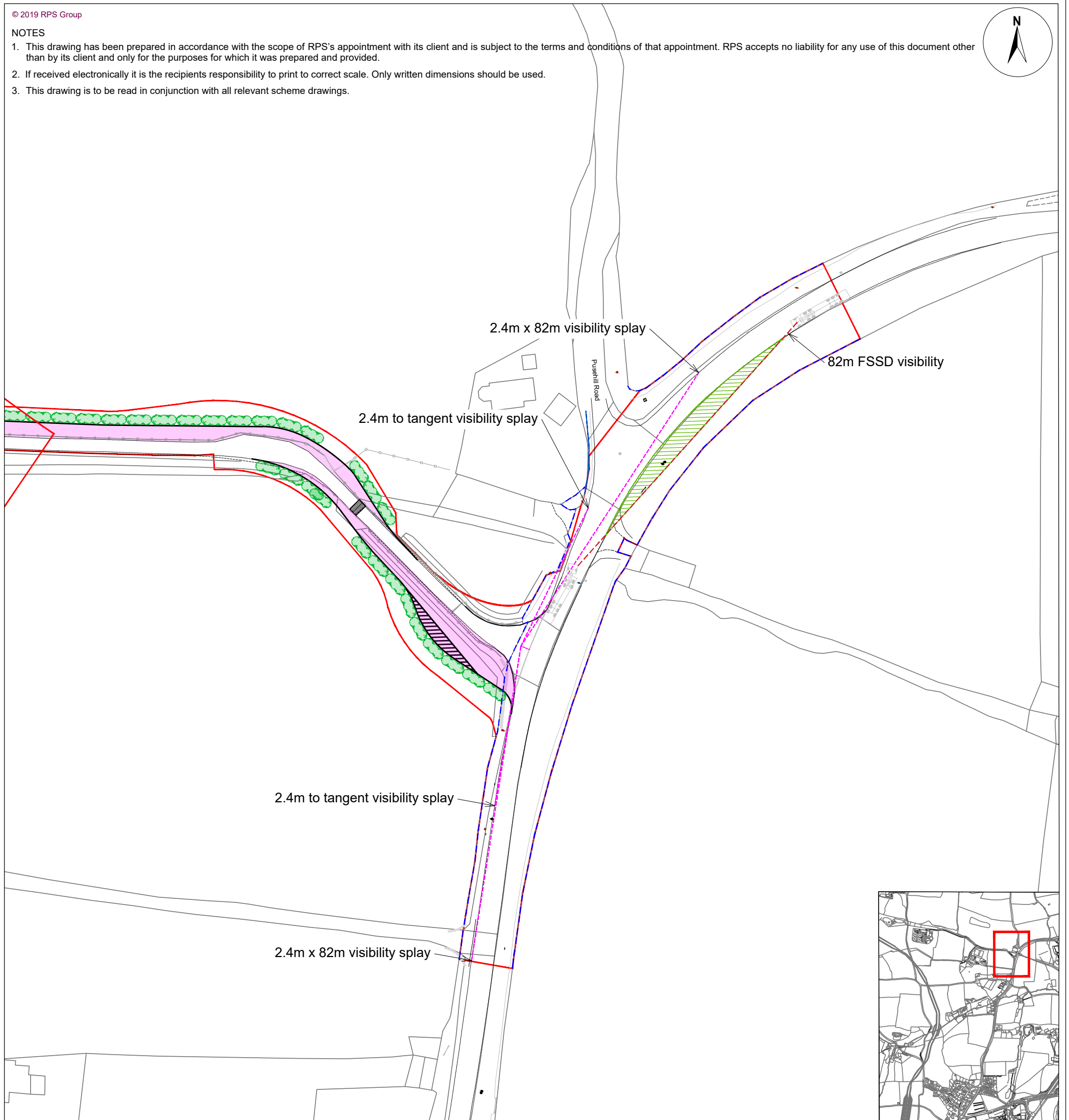
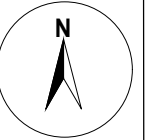
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2.4m to tangent visibility splay

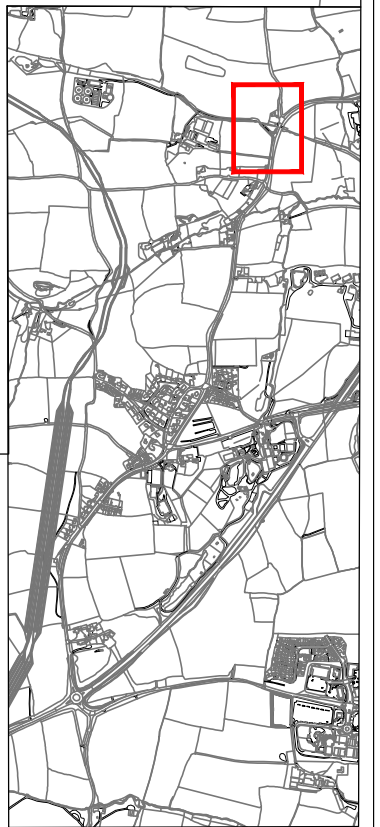
2.4m x 82m visibility splay

2.4m x 82m visibility splay

82m FSSD visibility

2.4m to tangent visibility splay

Puswell Road

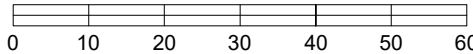


Key:

- Red line boundary
- - - Extent of public highway
- Proposed hedge
- Carriageway widening
- Area to be kept clear (max height 0.6m)

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Scale 1:1000



Rev	Description	By	CB	Date
A	Amendments following client comments	AJ	AB	17/09/2024



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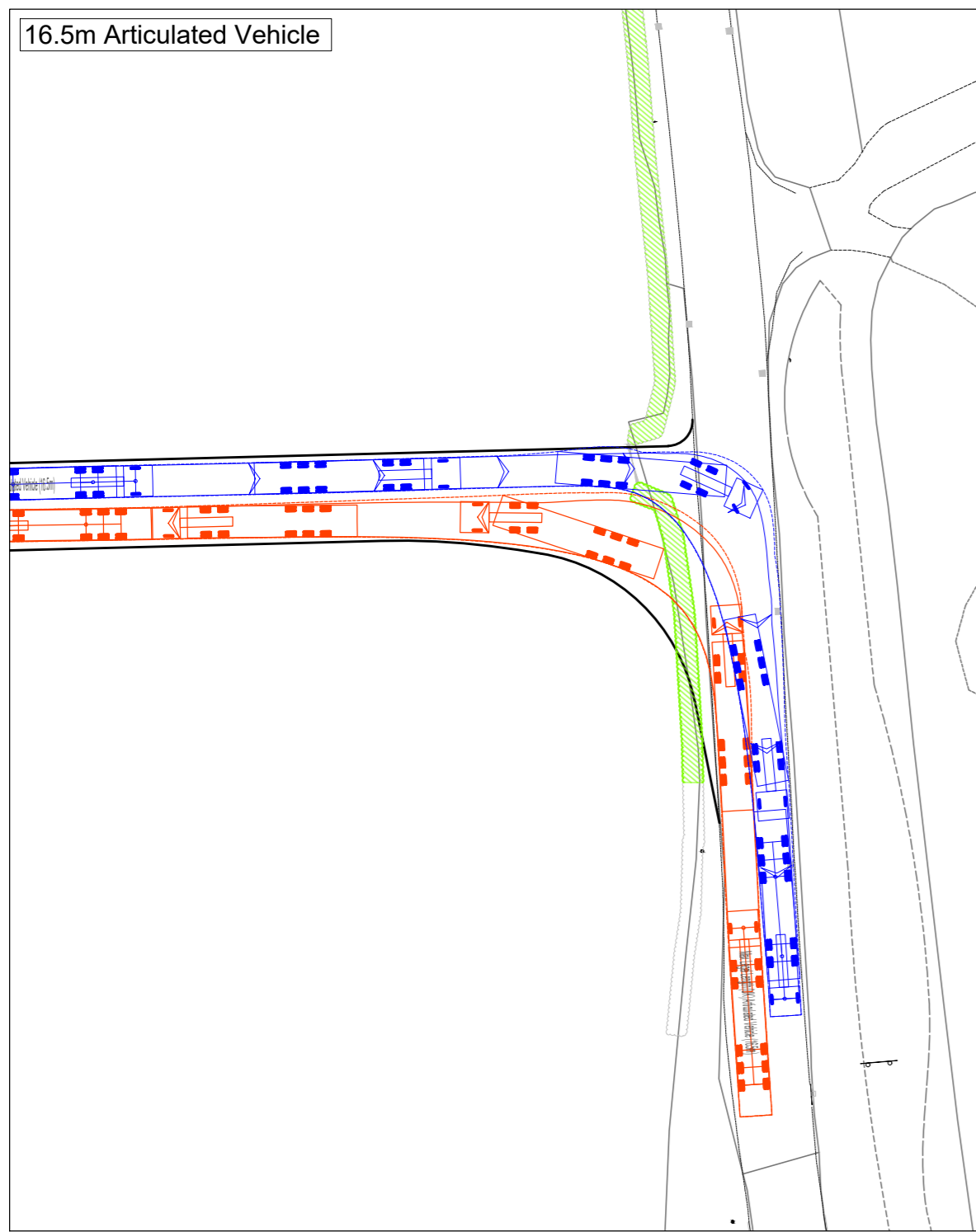
Client Xlinks  
Project Xlinks Alverdiscott  
Title Sewage Treatment Works  
Visibility Splay

Status: PRELIMINARY  
Drawn By: AJ  
Project Number: JNY11468  
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PM/Checked by: JG  
Date Created: 19/04/2024  
Rev: A

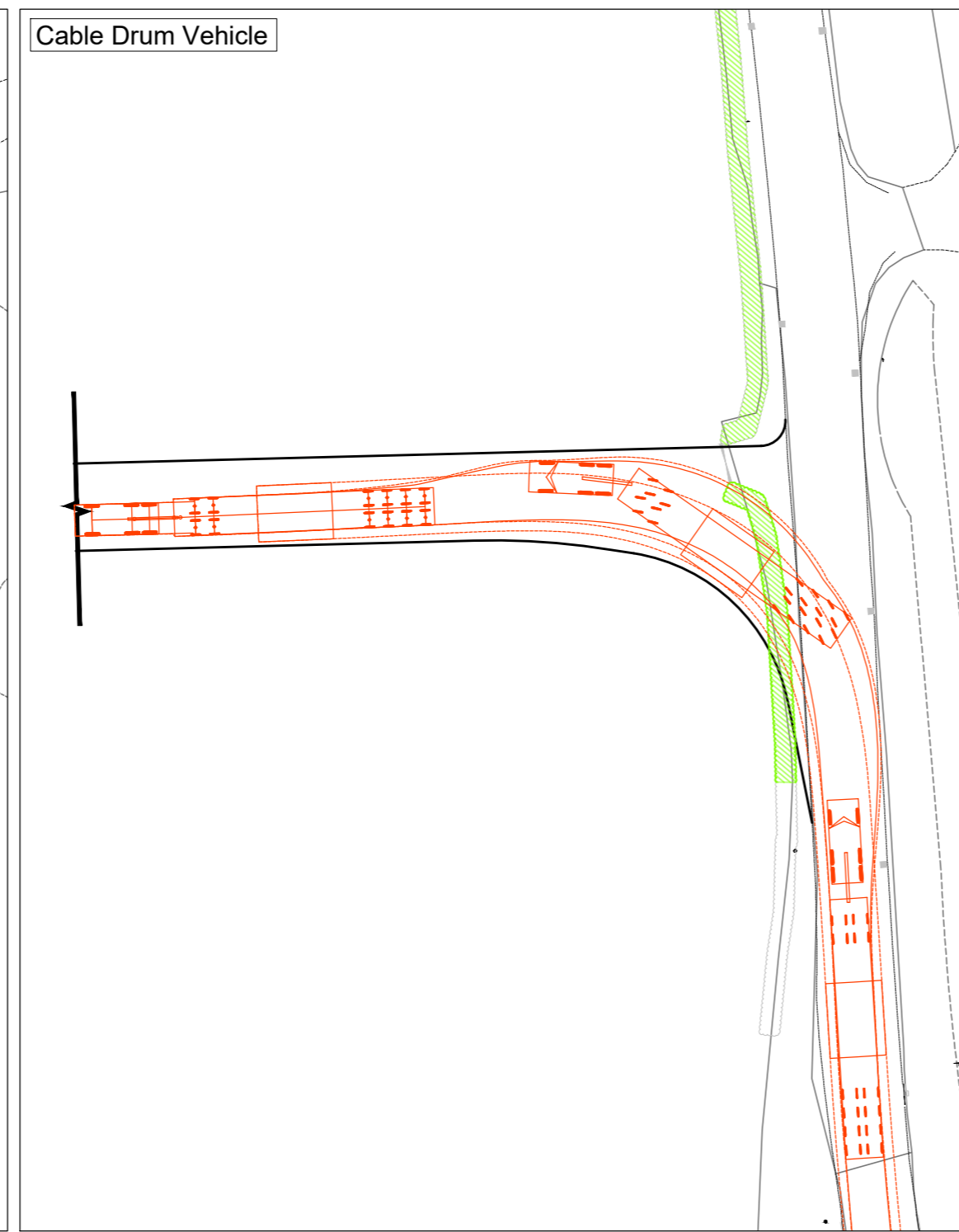
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## **Annex B: Abbotsham Road**

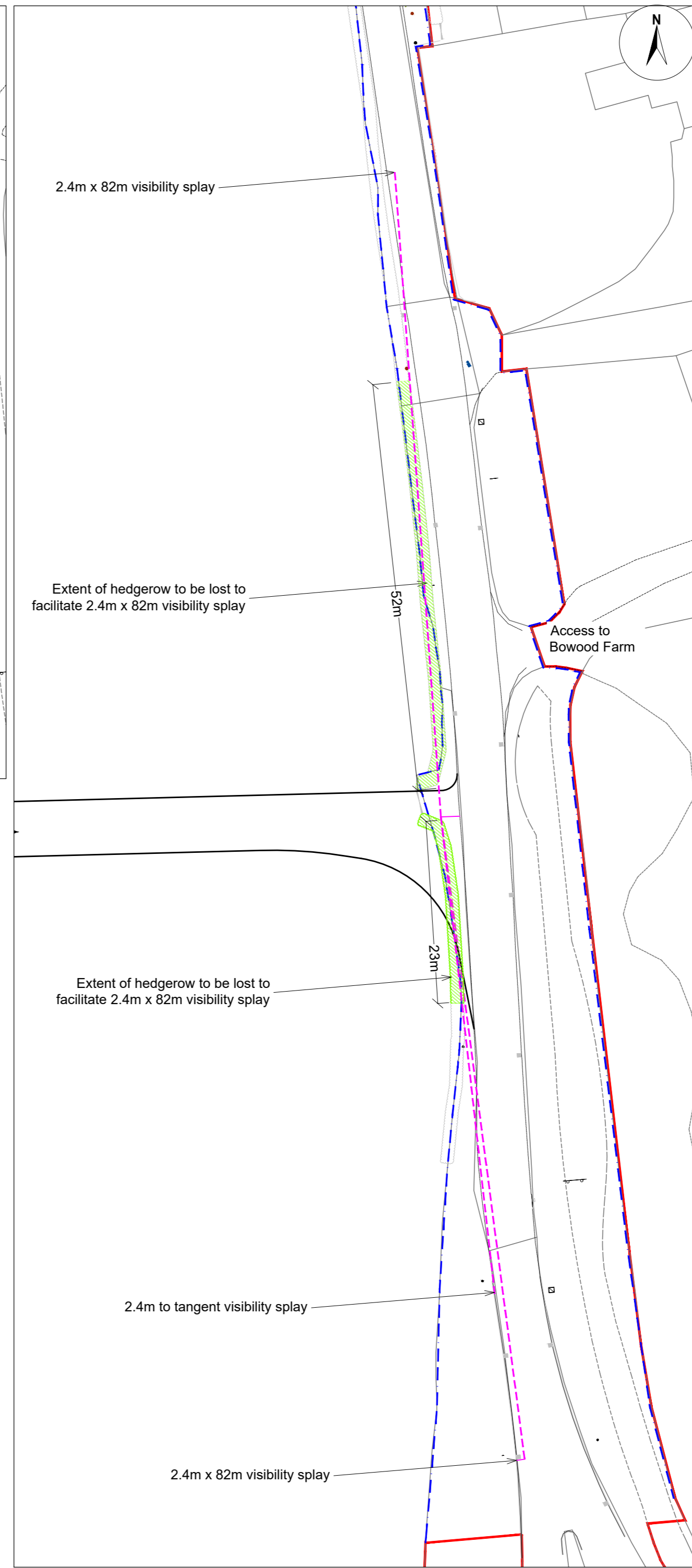
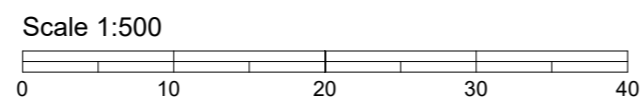
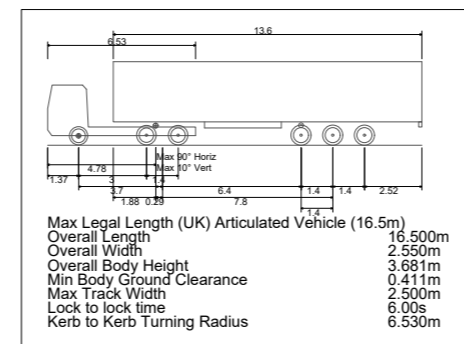
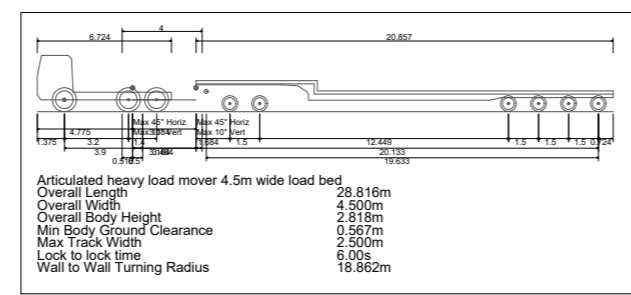
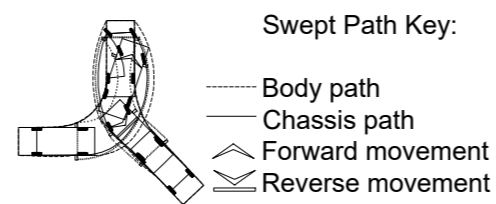
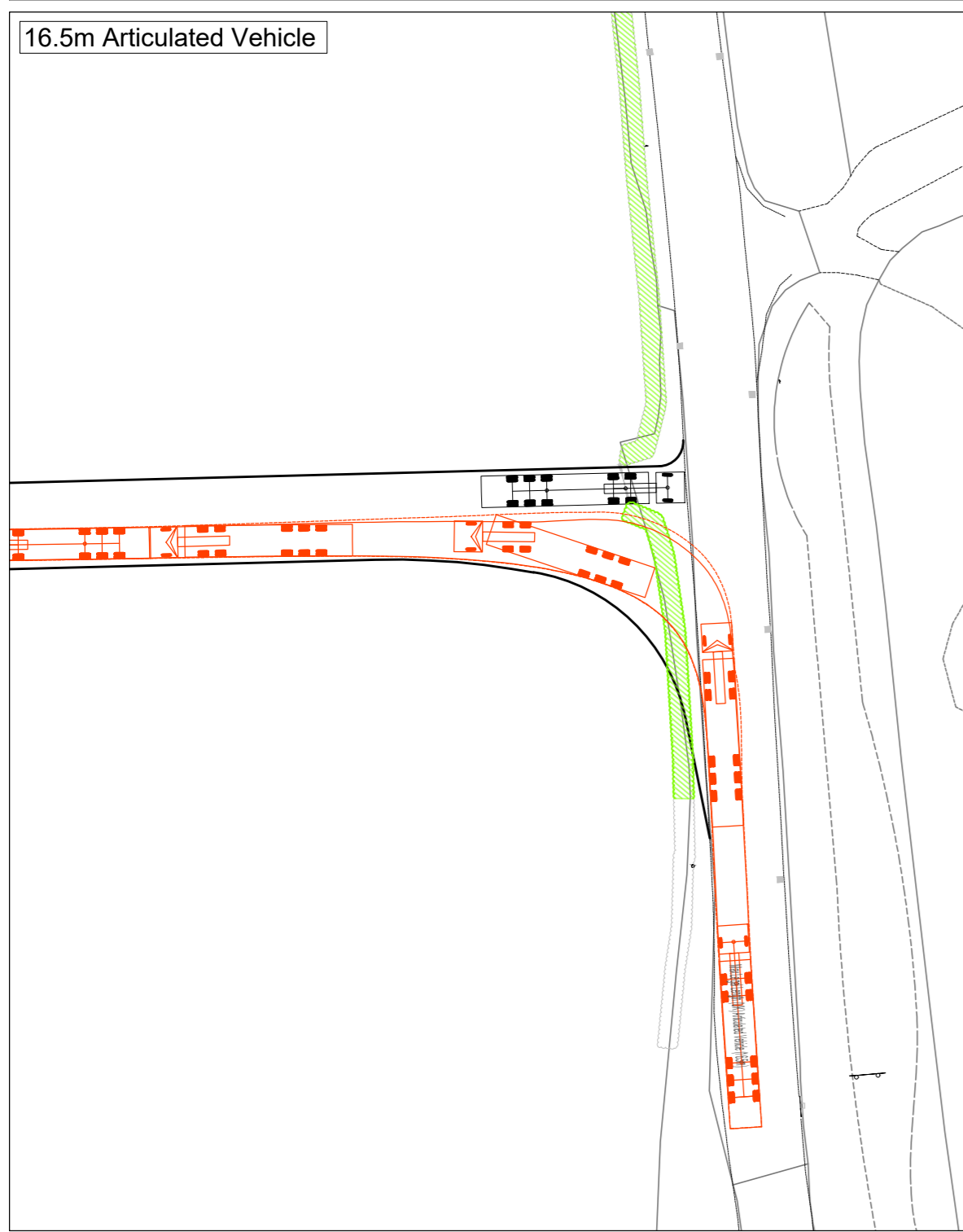
16.5m Articulated Vehicle



Cable Drum Vehicle



16.5m Articulated Vehicle



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**Key:**

- Red line boundary
- Extent of public highway
- Hedgerow to be removed

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A	Amendments following client comments	AJ	AB	17/09/2024

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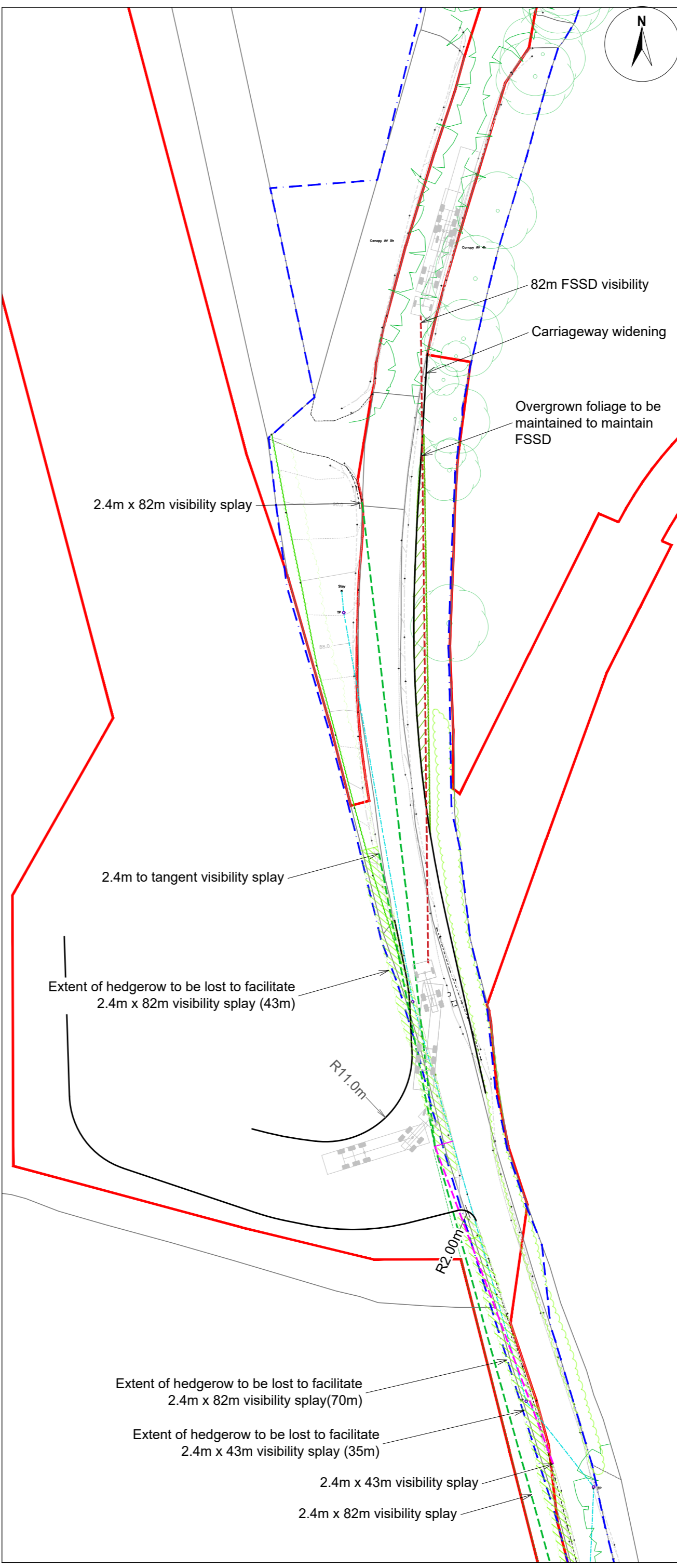
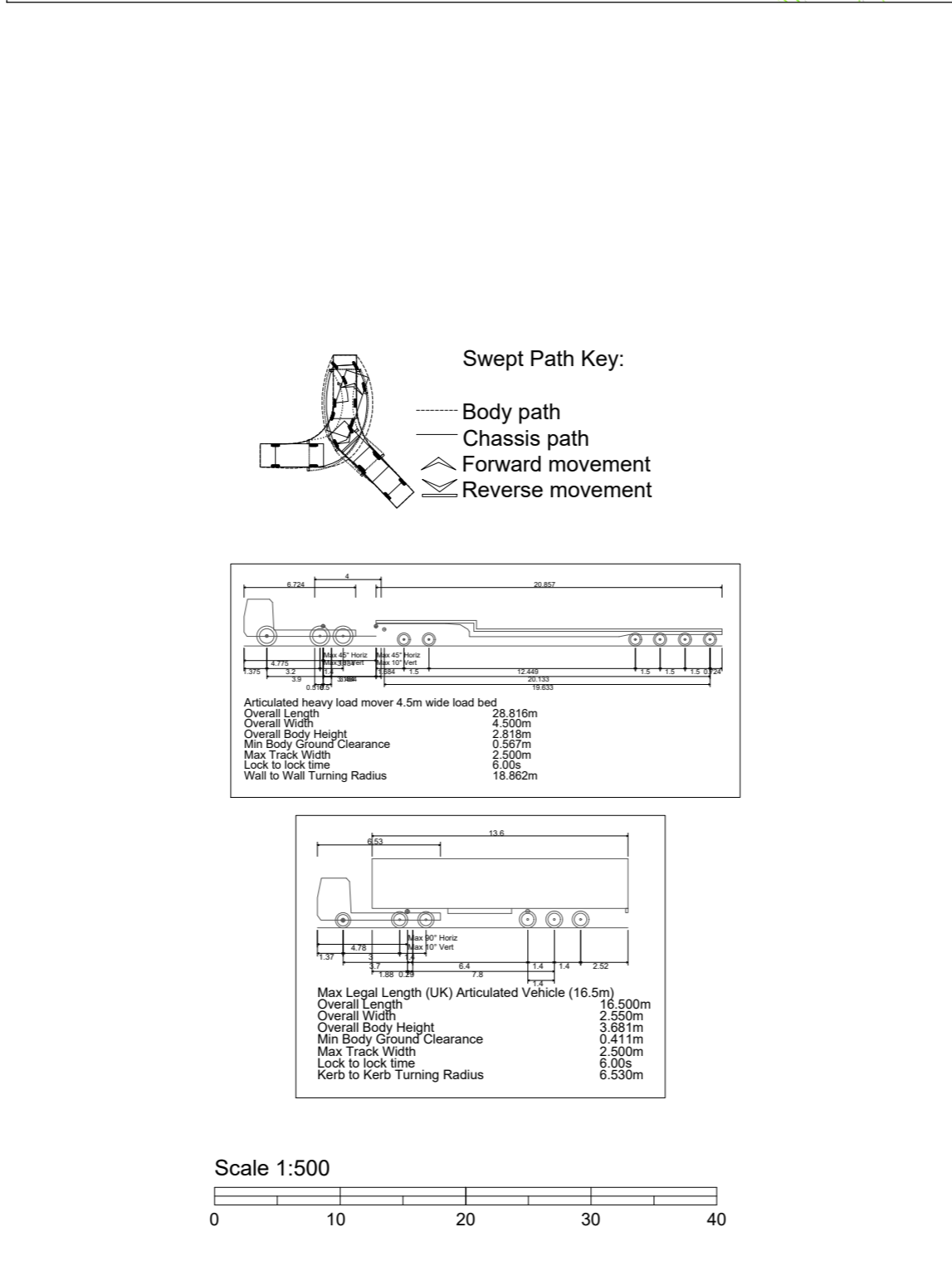
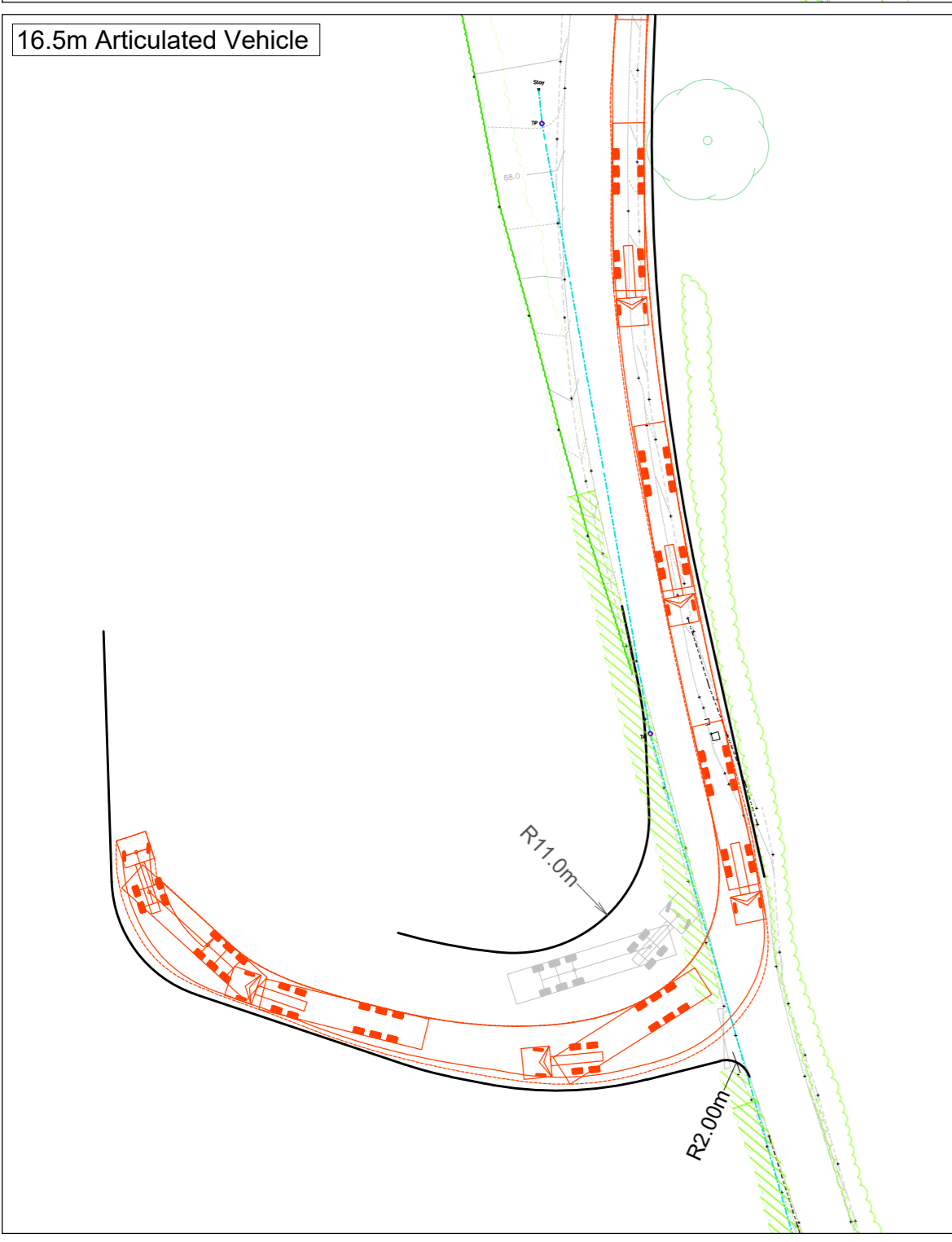
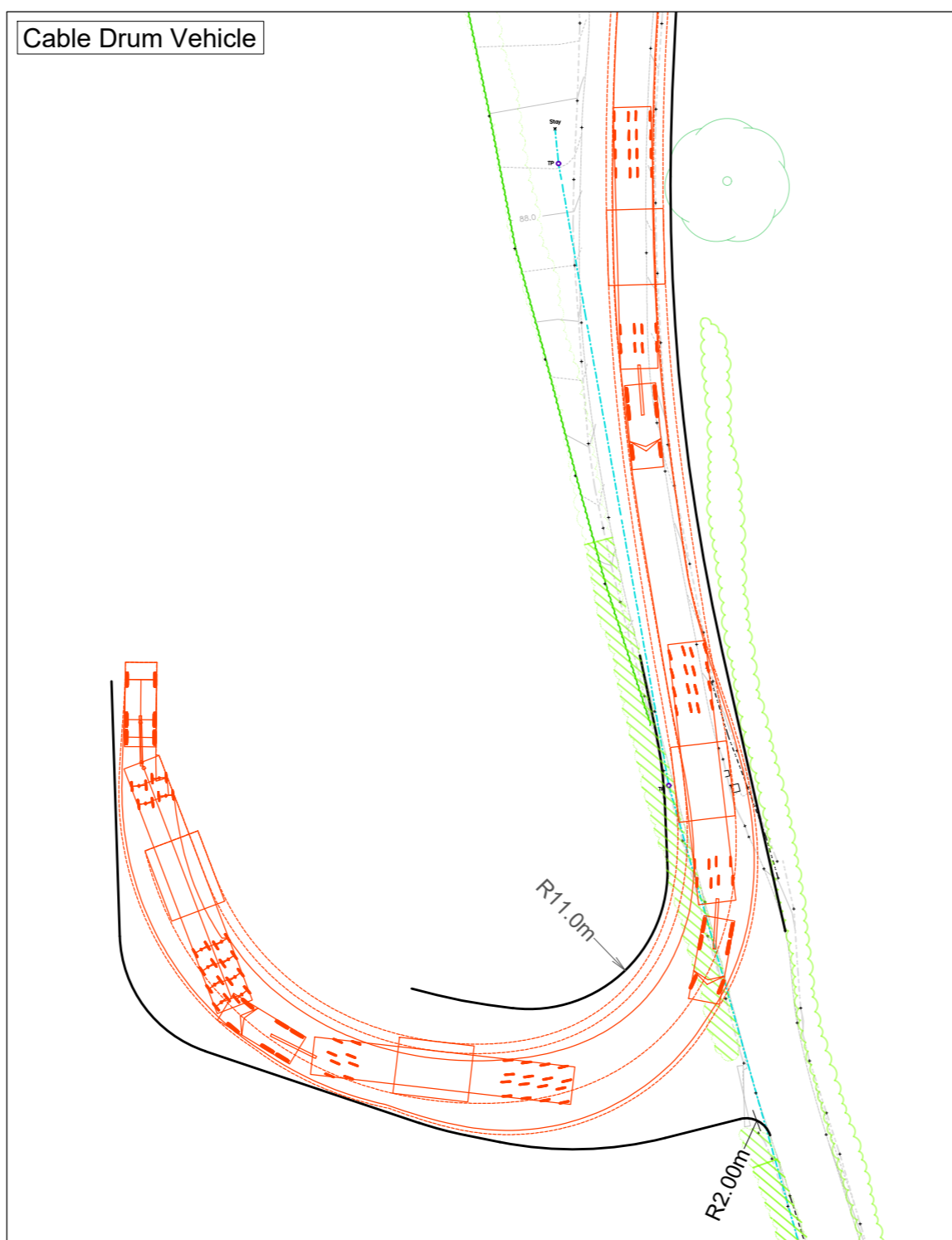
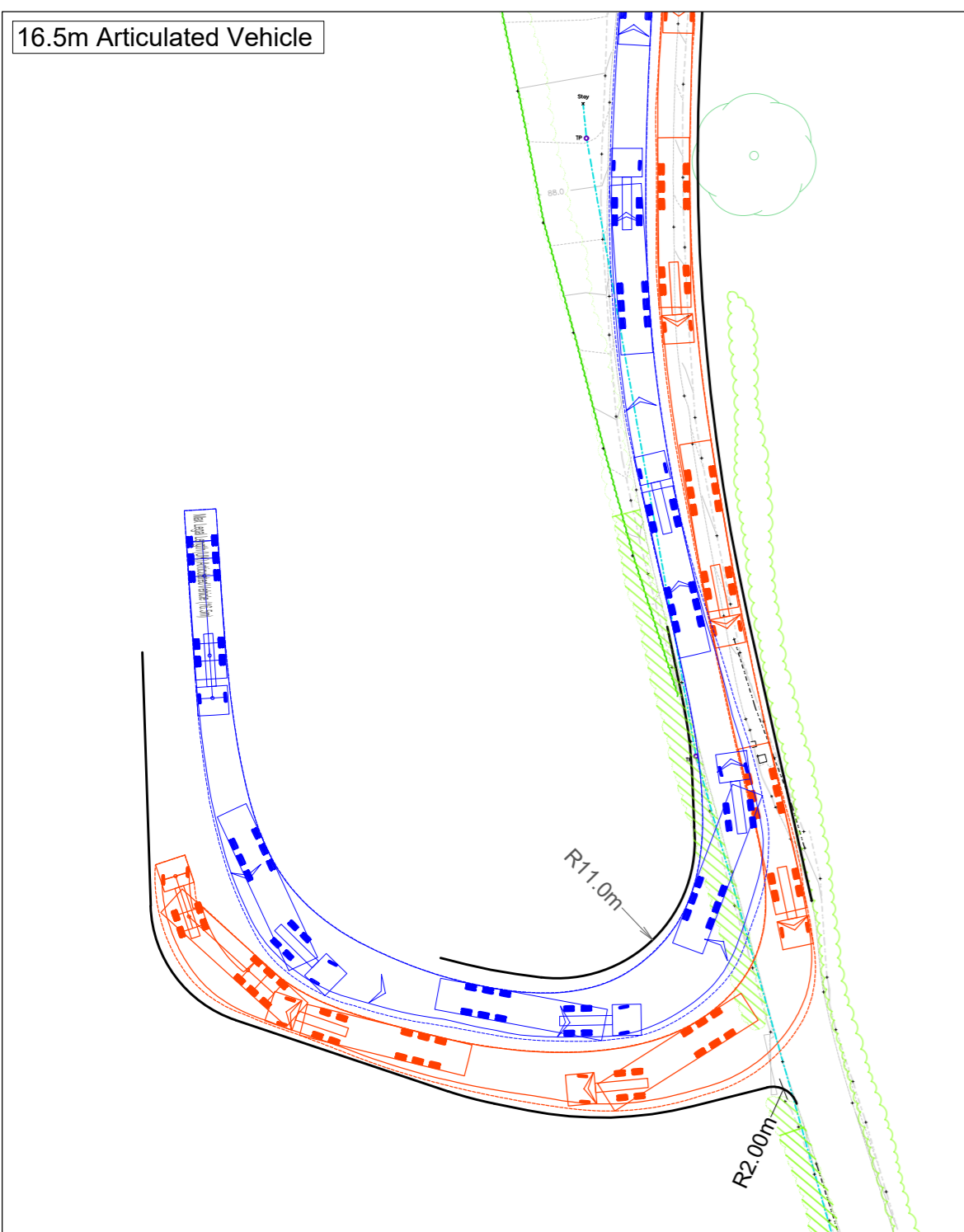
Project **Xlinks Alverdiscott**

Title **Abbotsham Road  
Preliminary Access Design  
Swept Path Analysis & Visibility  
Splay**

Status	Drawn By	PM/Checked by
PRELIMINARY	AJ	JG
Project Number	Scale @ A2	Date Created
JNY11468	1:500	15/04/2024
RPS Drawing/Figure Number	Rev	
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# Annex C: Littleham Road



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**Key:**

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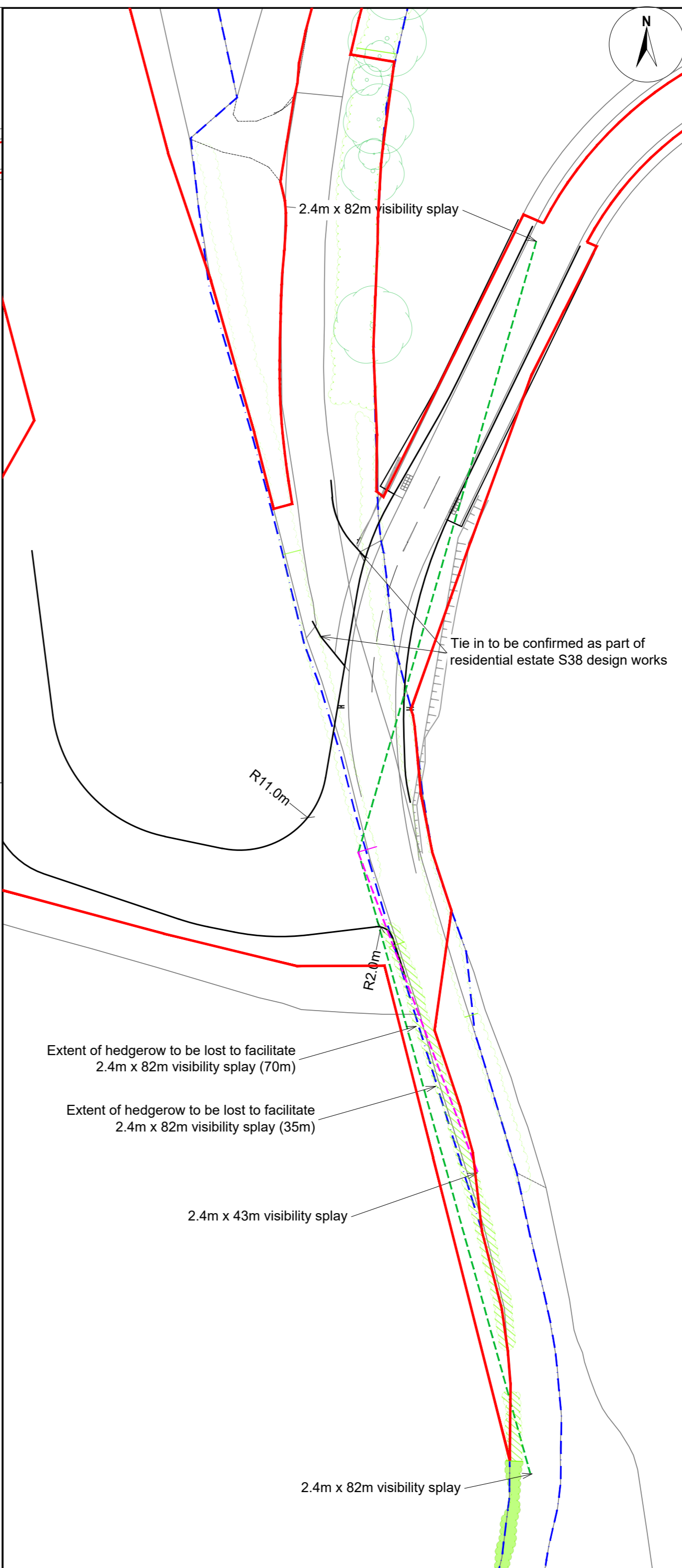
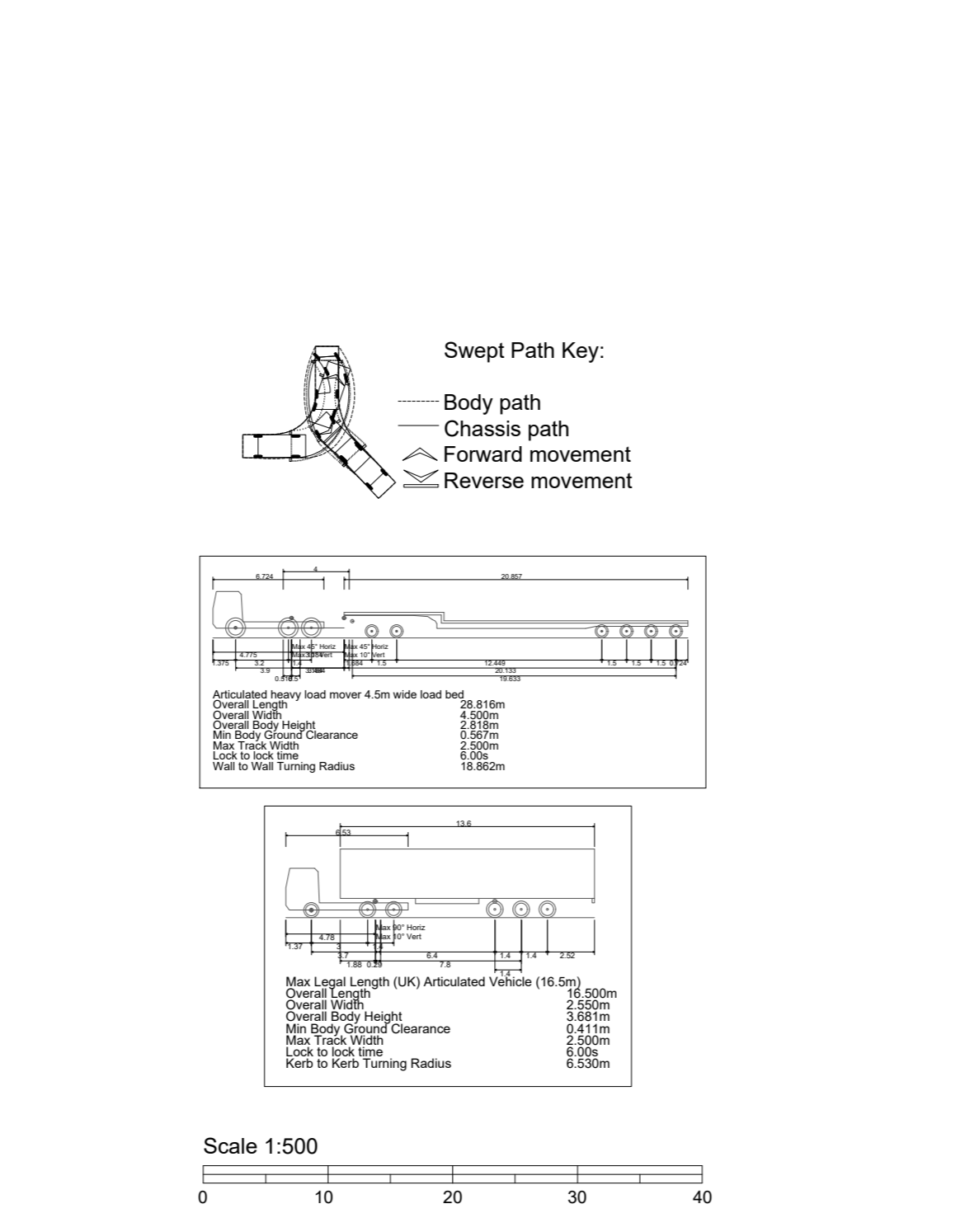
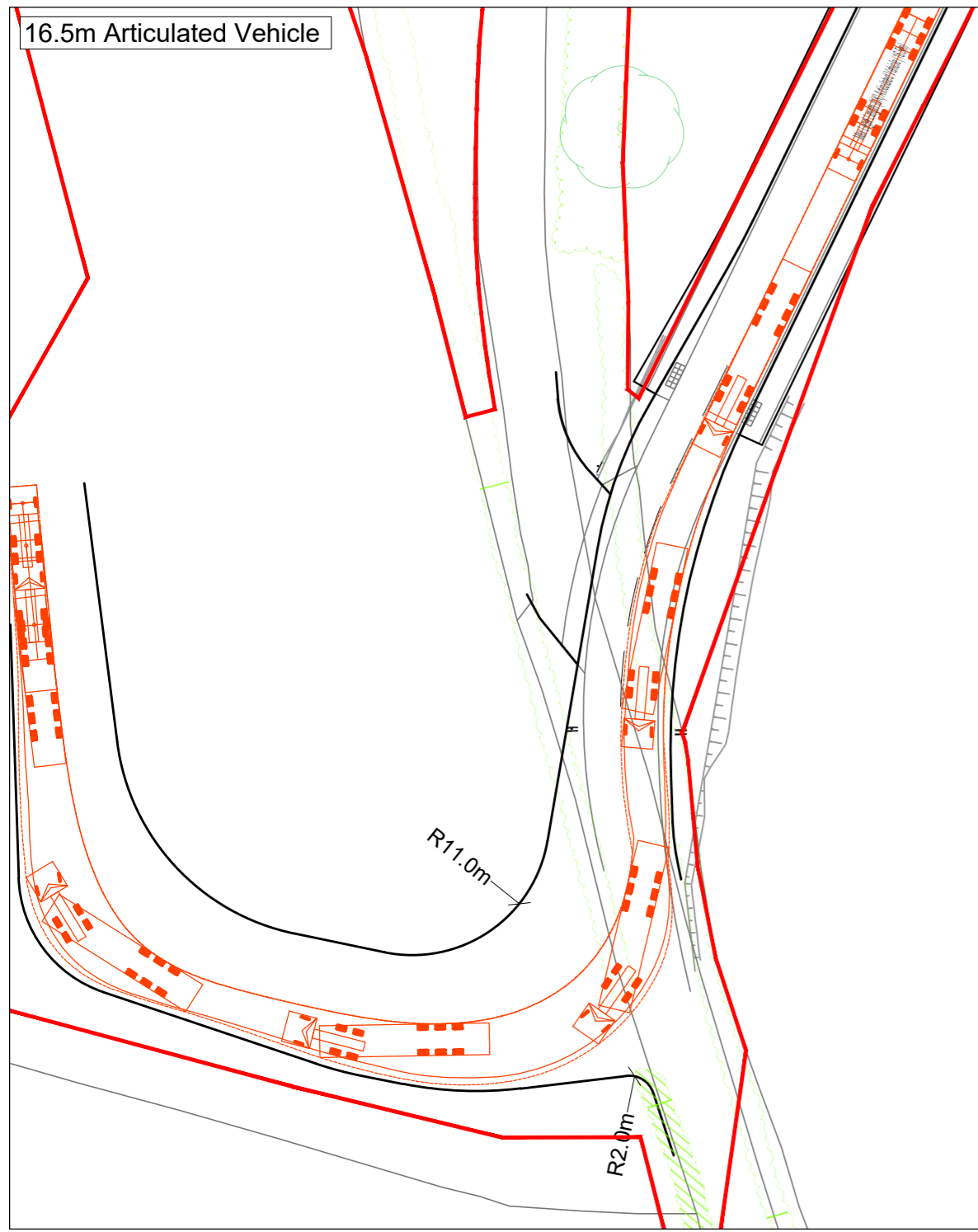
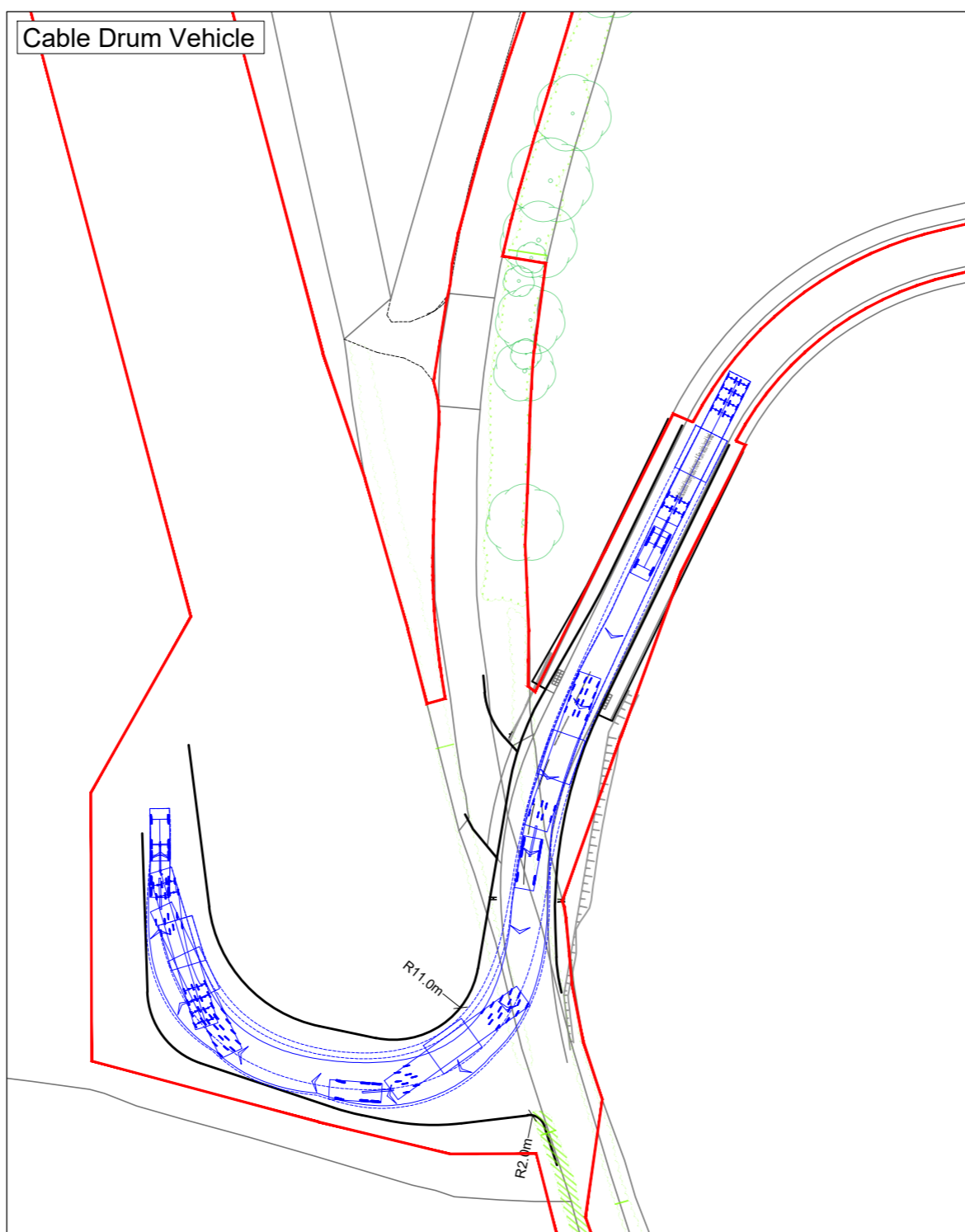
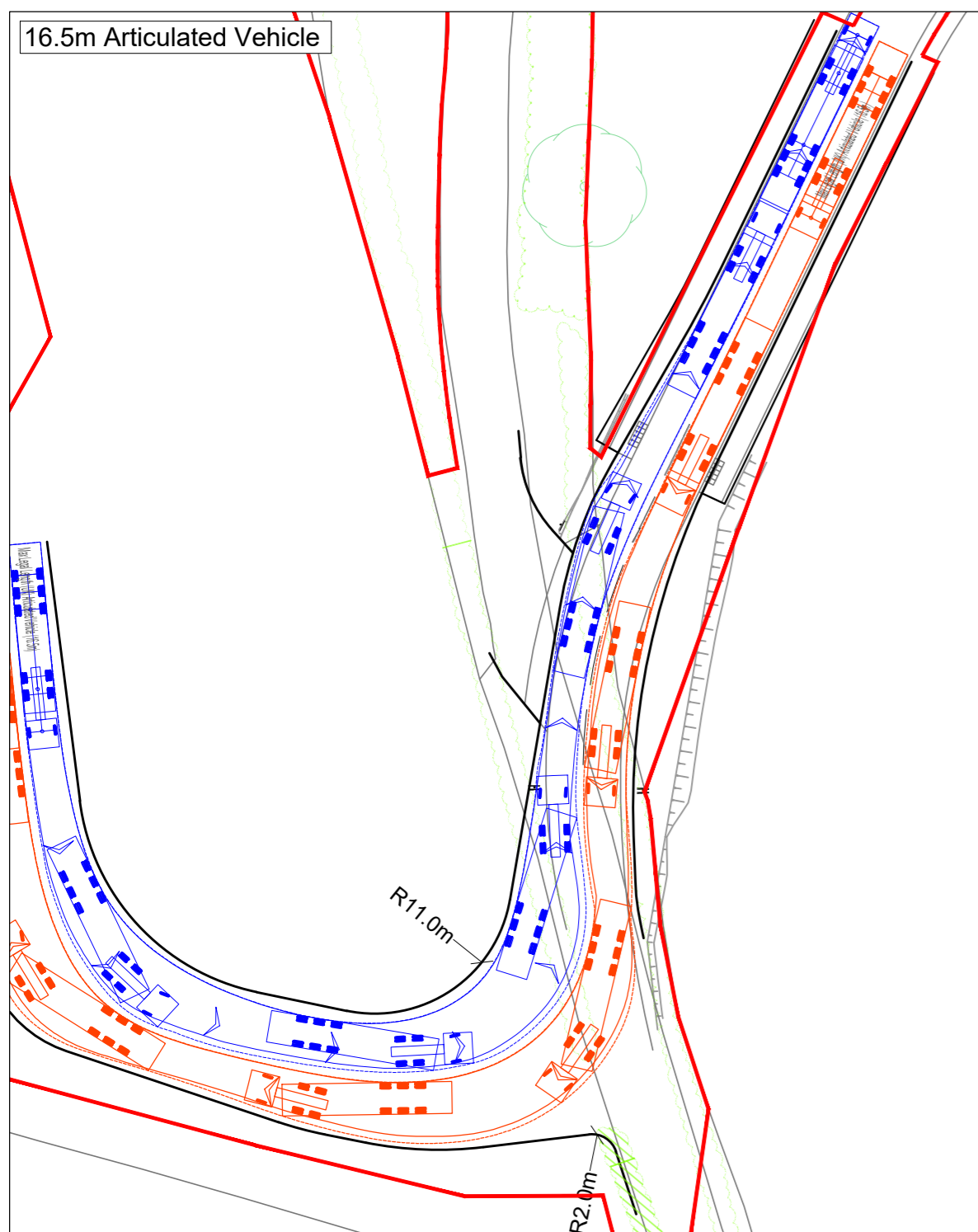
Client Xlinks

Project Xlinks Alverdiscott

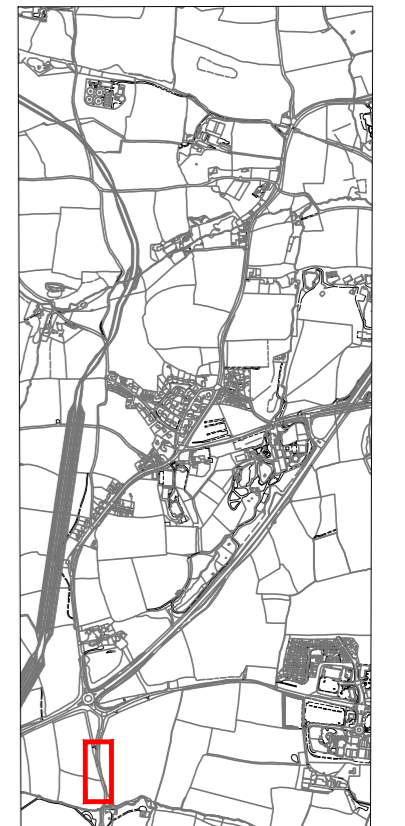
Title Littleham Road  
Preliminary Access Design  
Existing Alignment

Status	Drawn By	PM/Checked by
PRELIMINARY	AJ	JG
Project Number	Scale @ A2	Date Created
JNY11468	1:1000	15/04/2024
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Key:

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- Hedgerow to be removed

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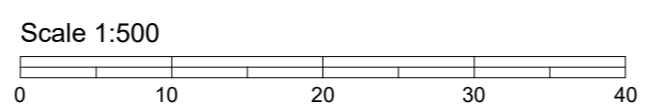
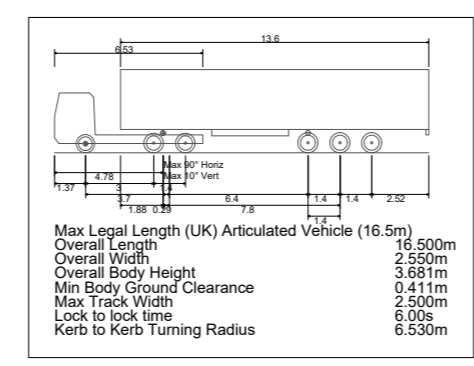
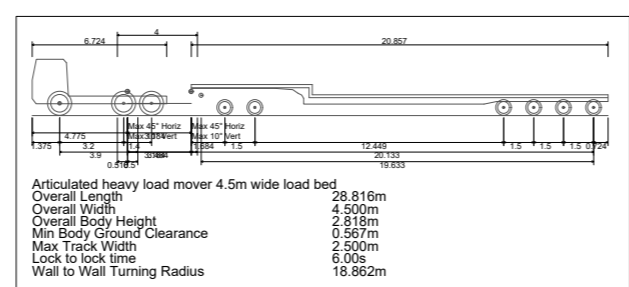
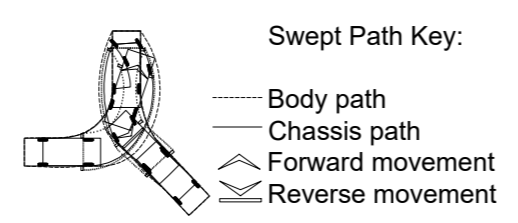
Client **Xlinks**

Project **Xlinks Alverdiscott**

Title **Littleham Road  
 Preliminary Access Design  
 Revised Residential Alignment**

Status	Drawn By	PM/Checked by
INFORMATION	AJ	JG
Project Number	Scale @ A2	Date Created
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RPS Drawing/Figure Number	Rev	
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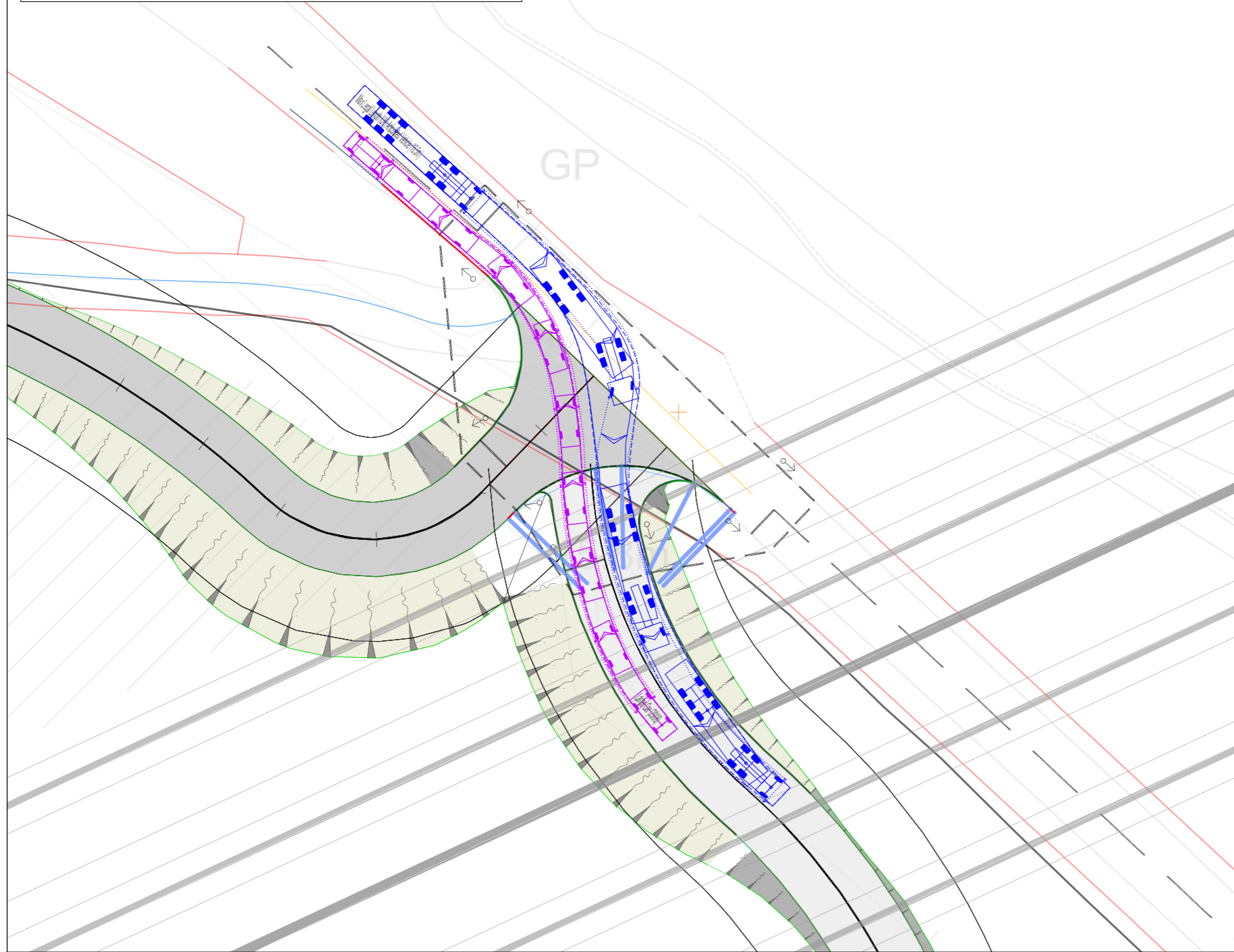
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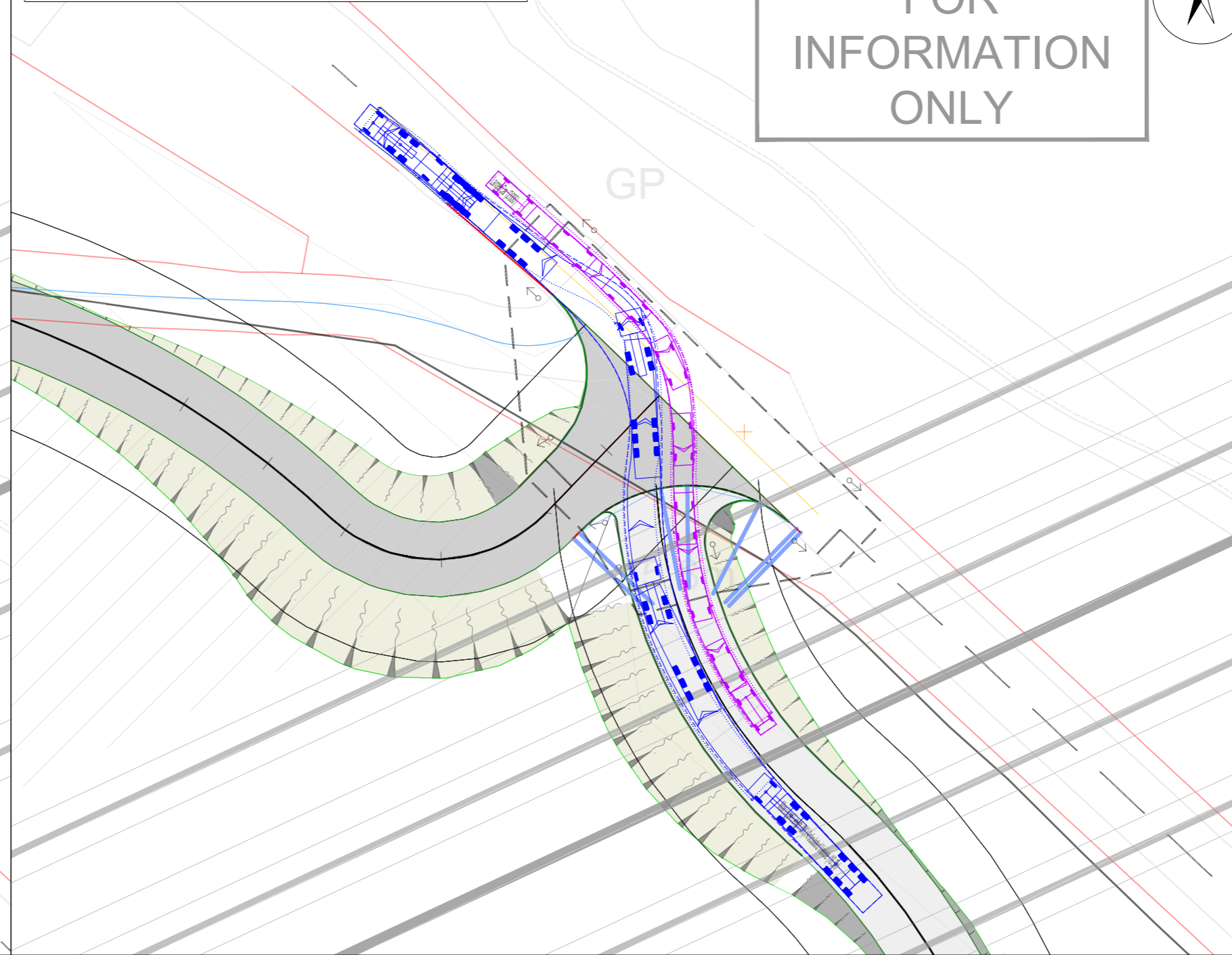
**Annex D: A386**



16.5m Articulated Vehicle & Large Car



16.5m Articulated Vehicle & Large Car



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**FTA Design 13/18 Tonne Rigid Vehicle (2016)**

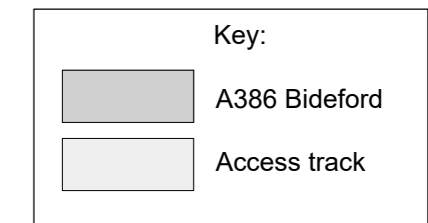
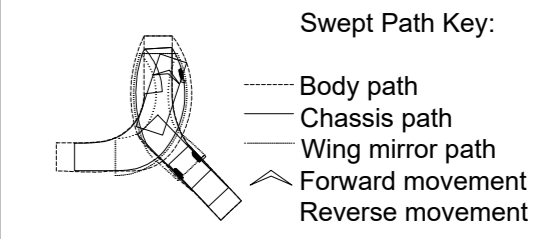
Overall Length	10.000m
Overall Width	2.550m
Overall Body Height	3.645m
Min Body Ground Clearance	0.440m
Track Width	2.470m
Lock to lock time	3.00s
Kerb to Kerb Turning Radius	11.000m

**Max Legal Length (UK) Articulated Vehicle (16.5m)**

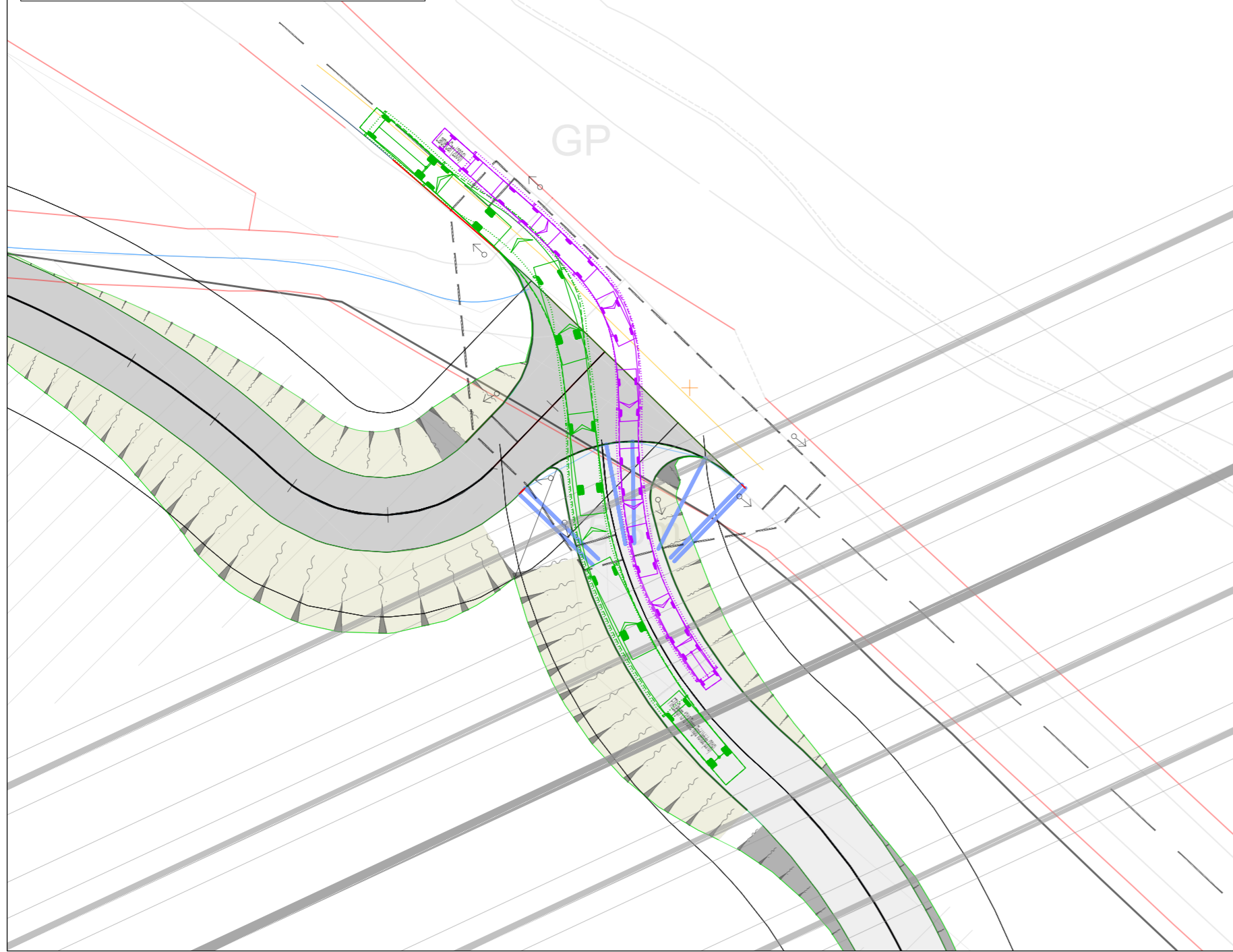
Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

**Large Car (2006)**

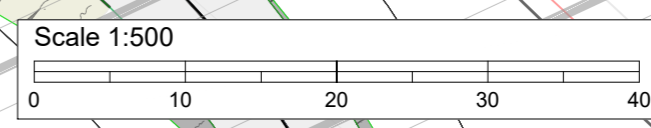
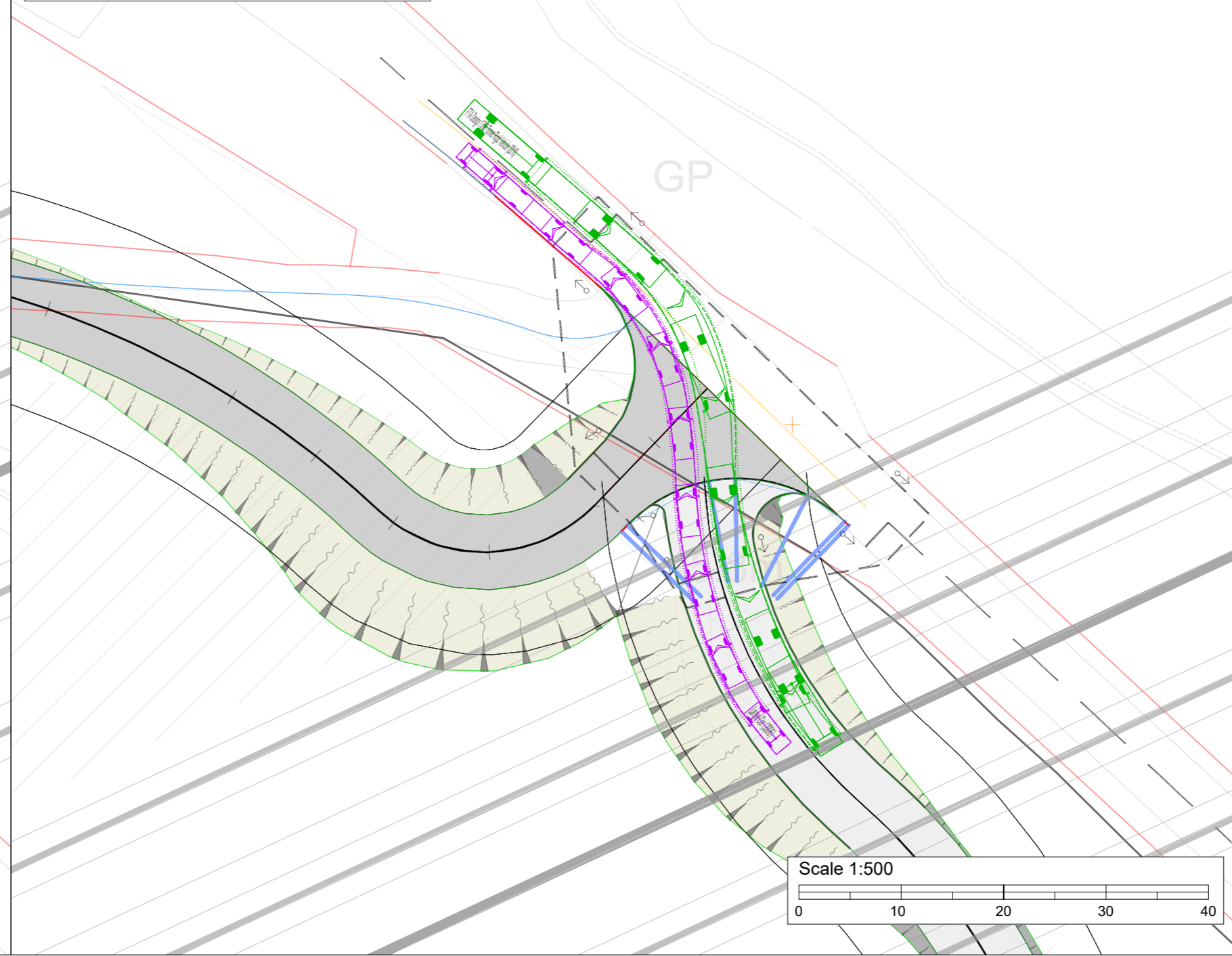
Overall Length	5.079m
Overall Width	1.872m
Overall Body Height	1.525m
Min Body Ground Clearance	0.310m
Max Track Width	1.831m
Lock to lock time	4.00s
Kerb to Kerb Turning Radius	5.900m



10m Rigid Vehicle & Large Car



10m Rigid Vehicle & Large Car



A	Amendments following client comments	AJ	AB	17/09/2024
Rev	Description	By	CB	Date

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Client **Xlinks**

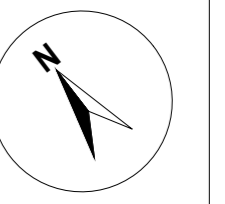
Project **Xlinks Alverdiscott**

Title **A386 / Littleham Road junction Swept Path Analysis**

Status	Drawn By	PM/Checked by
INFORMATION	AJ	DA
Project Number	Scale @ A2	Date Created
JNY11468	1:500	22/07/2024
RPS Drawing/Figure Number	Rev	
JNY11468-RPS-0100-025	A	

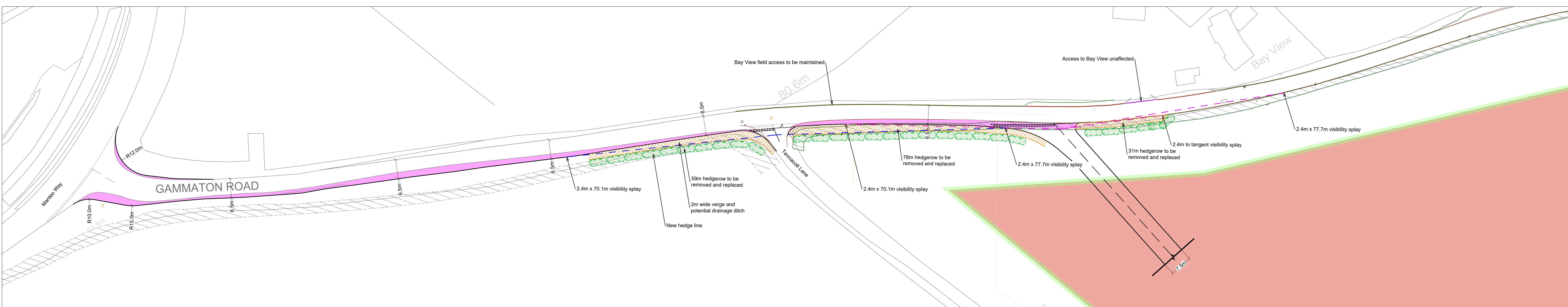
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## **Annex E: Gammaton Road Compound**



**NOTES**

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**Key:**

	Carriageway widening
	New wide verge
	Existing hedge row
	New hedge row

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

Rev	Description	By	CB	Date
A	Amendments following client comments	AJ	AB	17/09/24



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Client **Xlinks**

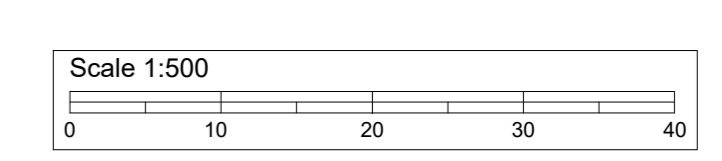
Project **Xlinks Alverdiscott**

Title **Gammaton Compound Site Access Visibility Splay**

Status **PRELIMINARY** Drawn By **AJ** PM/Checked by **AB**

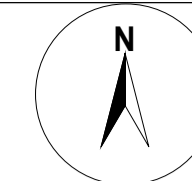
Project Number **JNY11468** Scale @ **A0** Date Created **09/07/2024**

RPS Drawing/Figure Number **JNY11468-RPS-0100-019** Rev **A**

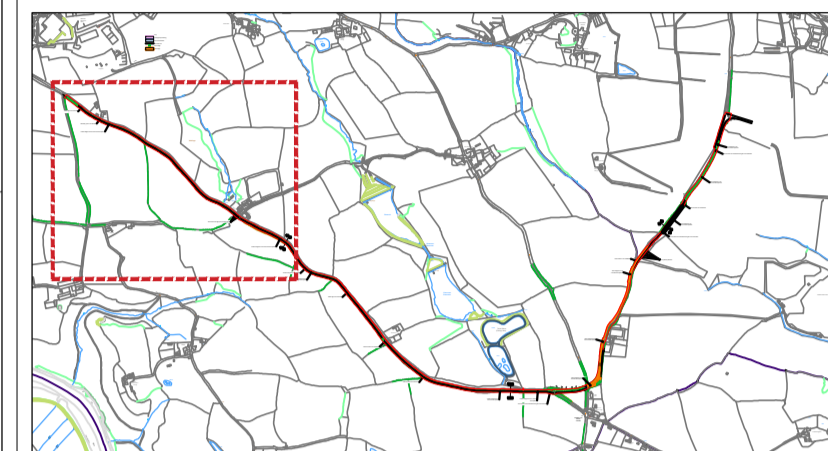




## **Annex F: Gammaton Road Highway Works**



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  3. This drawing is to be read in conjunction with all relevant scheme drawings.



Key:

	Carriageway widening
	New Private Road
	New kerb line
	New hedge

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

Rev	Description	By	CB	Date
A	Amendments following client comments	AJ	AB	17/09/24



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Client **Xlinks**

Project **Xlinks Alverdiscott**

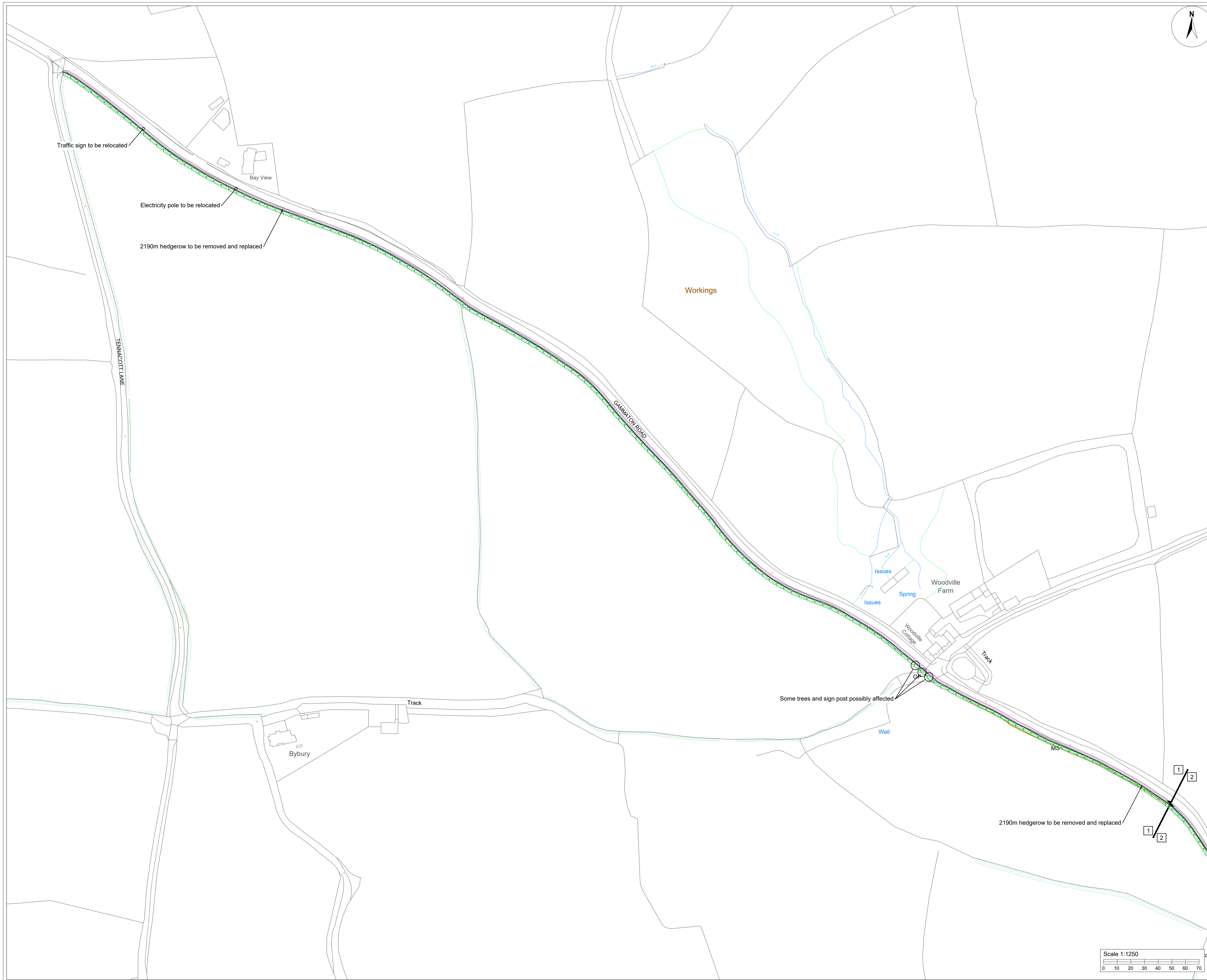
Title **Gammaton Road Works  
Sheet 1 of 4**

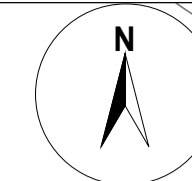
Status **PRELIMINARY** Drawn By **AJ** PM/Checked by **DA**

Project Number **JNY11468** Scale @ A1 **1:1250** Date Created **04/04/2024**

RPS Drawing/Figure Number **JNY11468-RPS-0100-002** Rev **A**

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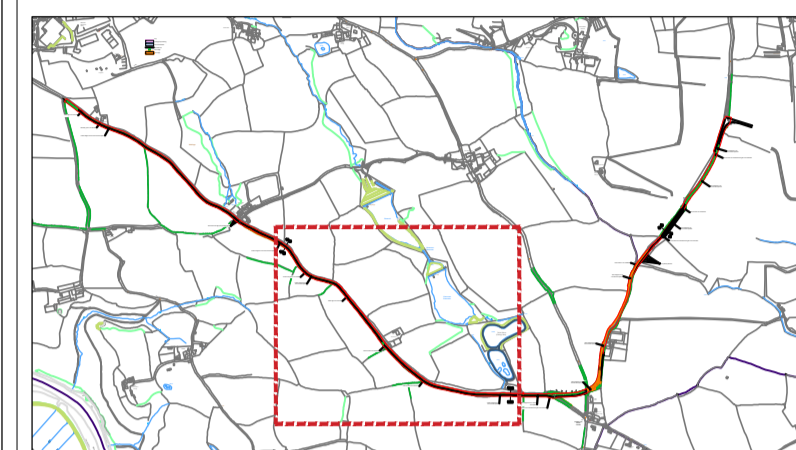




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3. This drawing is to be read in conjunction with all relevant scheme drawings.



Key:

	Carriageway widening
	New Private Road
	New kerb line
	New hedge

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

Rev	Description	By	CB	Date
A	Amendments following client comments	AJ	AB	17/09/24



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Client Xlinks

Project Xlinks Alverdiscott

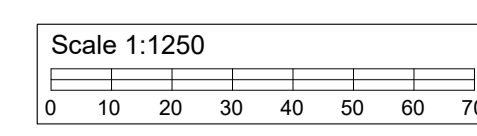
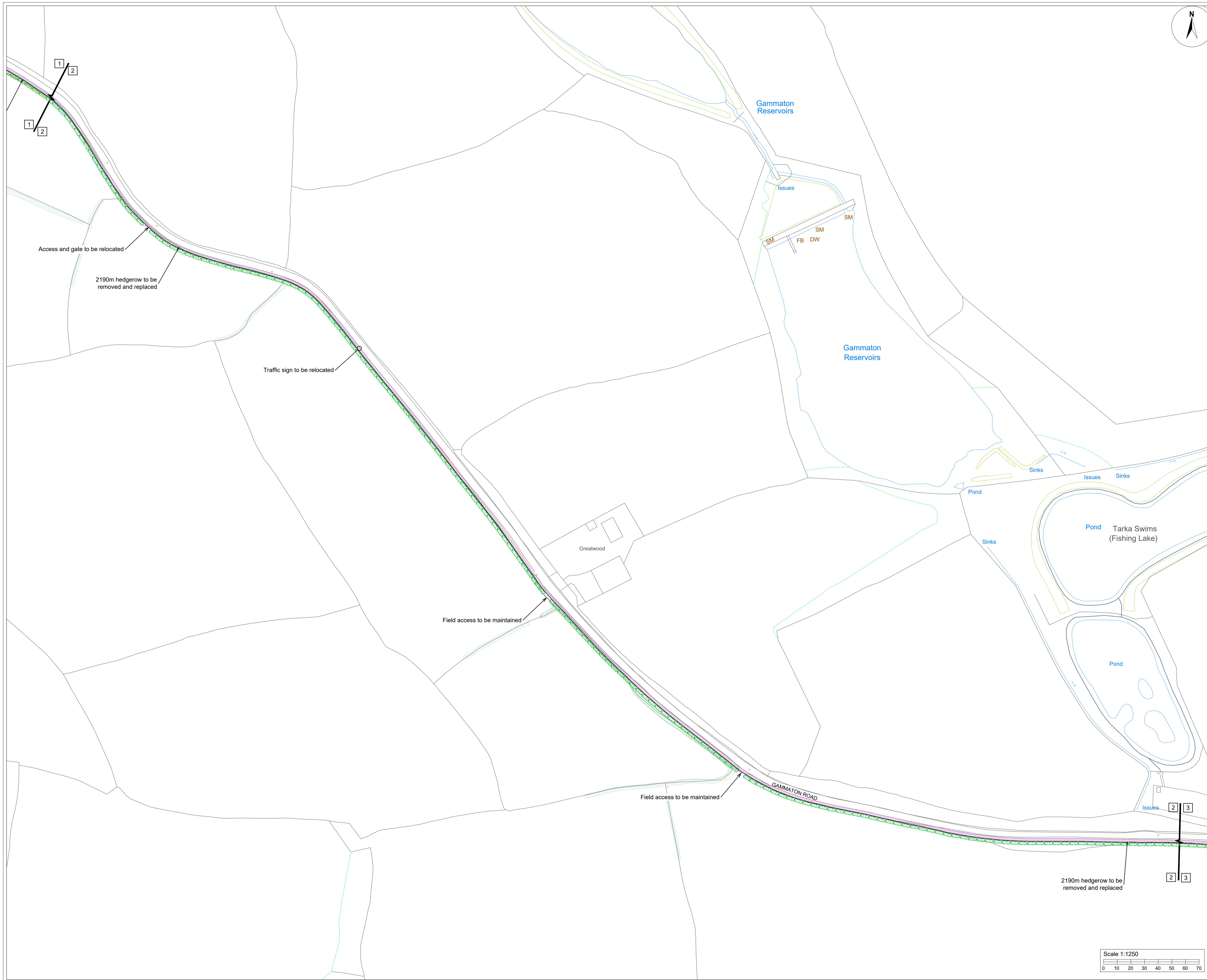
Title **Gammaton Road Works**  
Sheet 2 of 4

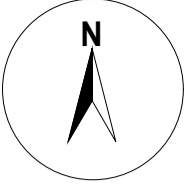
Status	Drawn By	PM/Checked by
PRELIMINARY	AJ	DA

Project Number	Scale @ A1	Date Created
JNY11468	1:1250	04/04/2024

RPS Drawing/Figure Number	Rev
JNY11468-RPS-0100-003	A

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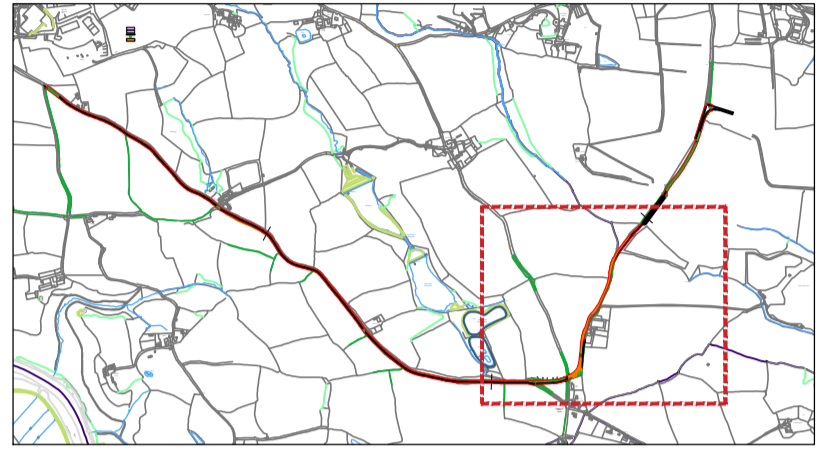




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Key:

	Carriageway widening
	New Private Road
	New kerb line
	New hedge
	New verge

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

Rev	Description	By	CB	Date
A	Amendments following client comments	AJ	AB	17/09/24



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Client **Xlinks**

Project **Xlinks Alverdiscott**

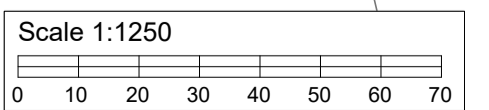
Title **Gammaton Road Works  
Sheet 3 of 4**

Status	Drawn By	PM/Checked by
PRELIMINARY	AJ	DA

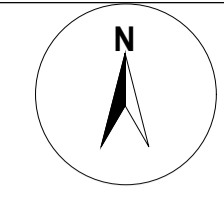
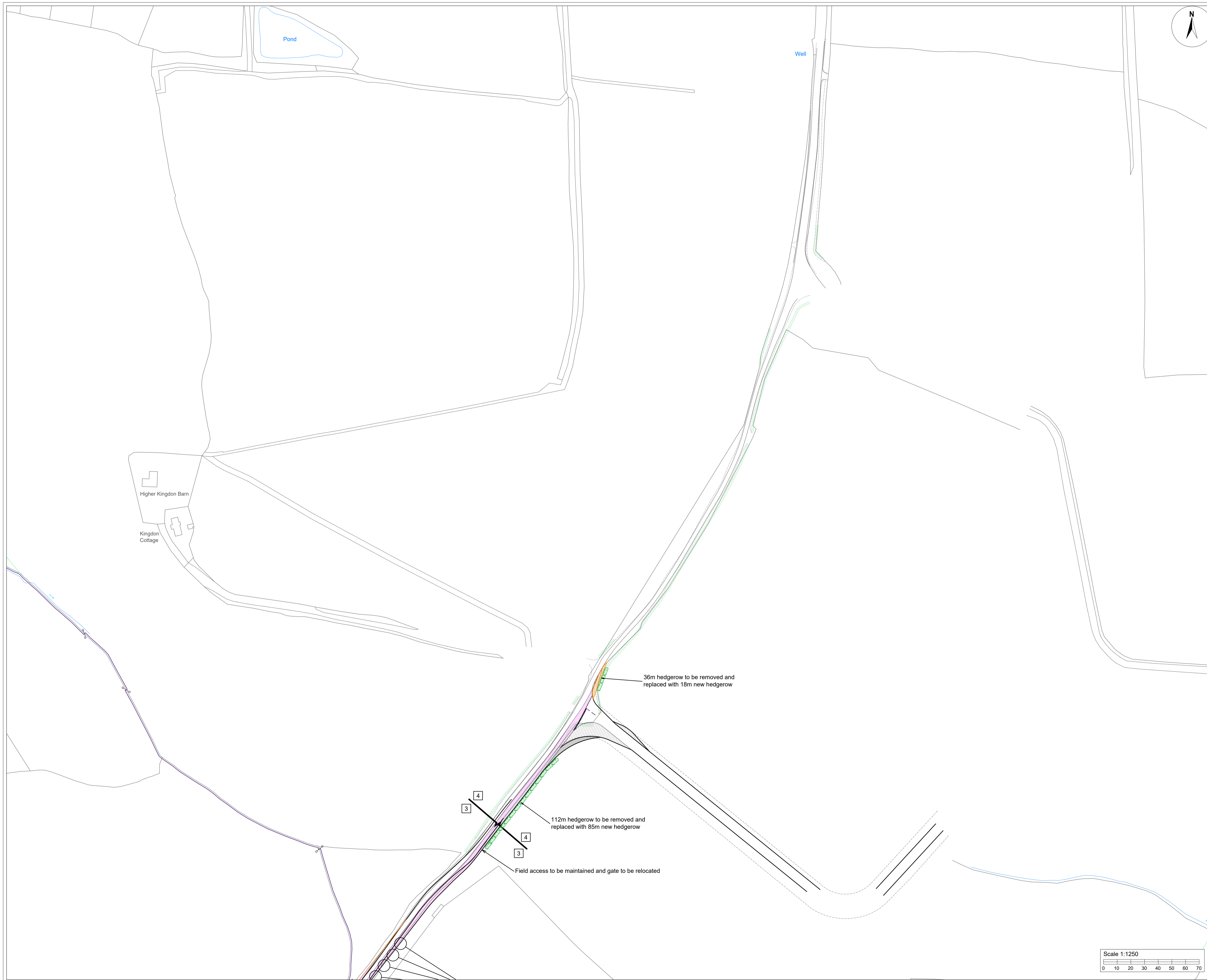
Project Number	Scale @ A1	Date Created
JNY11468	1:1250	04/04/2024

RPS Drawing/Figure Number	Rev
JNY11468-RPS-0100-004	A

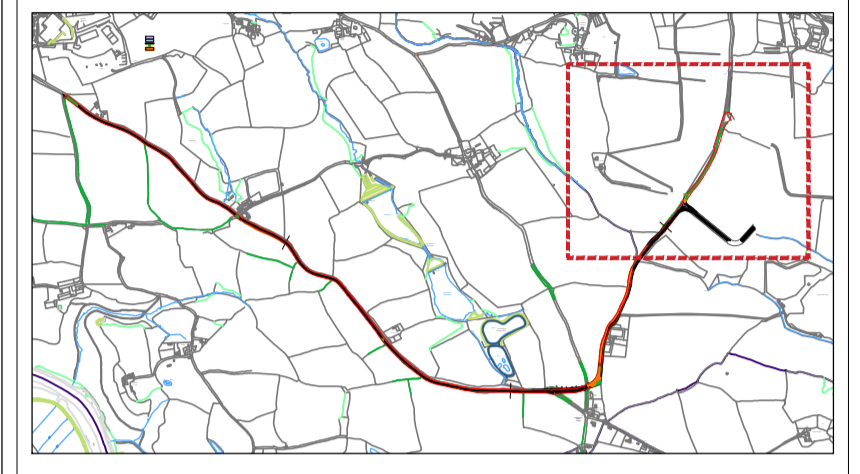
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**Key:**

<span style="display:inline-block; width:15px; height:10px; background-color: #FF69B4; border: 1px solid black;"></span>	Carriageway widening
<span style="display:inline-block; width:15px; height:10px; background-color: #ADD8E6; border: 1px solid black;"></span>	New Private Road
<span style="display:inline-block; width:15px; border-bottom: 1px solid black;"></span>	New kerb line
<span style="display:inline-block; width:15px; border-bottom: 1px dashed green;"></span>	New hedge

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

Rev	Description	By	CB	Date
B	Amendments following client comments	AJ	AB	17/09/24
A	Access relocated	AJ	DA	22/07/2024



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Client **Xlinks**

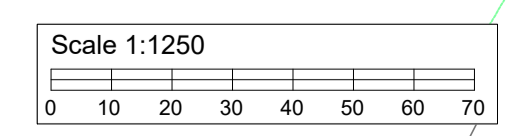
Project **Xlinks Alverdiscott**

Title **Gammaton Road Works  
Sheet 4 of 4**

Status	Drawn By	PM/Checked by
PRELIMINARY	AJ	DA

Project Number	Scale @ A1	Date Created
JNY11468	1:1250	04/04/2024

RPS Drawing/Figure Number	Rev
JNY11468-RPS-0100-005	B



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