

# M5 Junction 10 Improvements Scheme

Environmental Statement

Appendix 9.1

LVIA Chapter figures

TR010063 – APP 6.15

Regulation 5 (2) (a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

Volume 6  
July 2024

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# Infrastructure Planning Planning Act 2008

## The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

### M5 Junction 10 Improvements Scheme Development Consent Order 202[x]

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#### 6.15 Environmental Statement: Appendix 9.1 LVIA Chapter figures

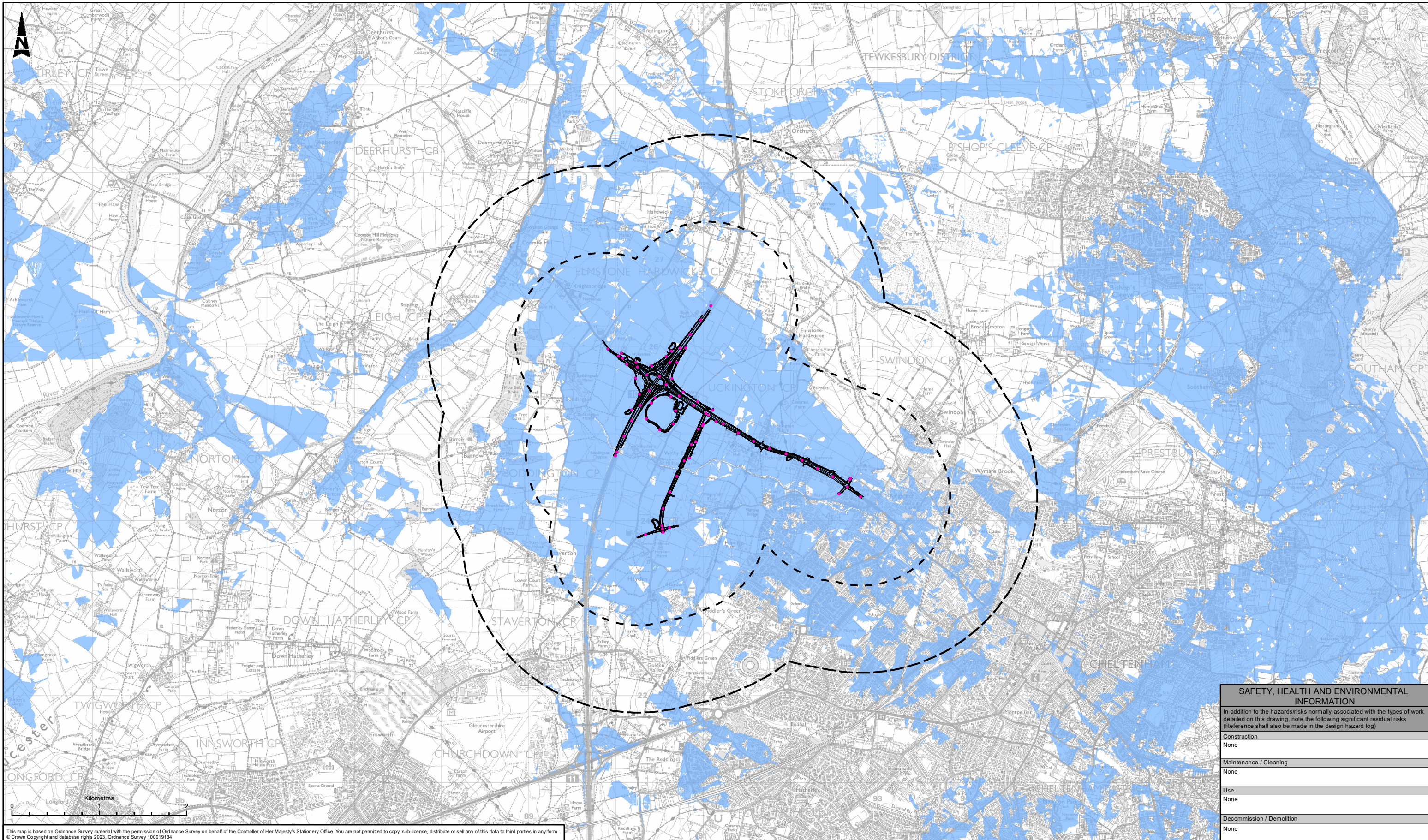
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<b>Regulation Number:</b>	Regulation 5(2)(a)
<b>Planning Inspectorate Scheme Reference</b>	TR010063
<b>Application Document Reference</b>	TR010063/APP/6.15
<b>Author:</b>	M5 Junction 10 Improvements Scheme Project Team

<b>Version</b>	<b>Date</b>	<b>Status of Version</b>
Rev 0	December 2023	DCO Application
Rev 1	July 2024	Deadline 3

# 1. Schedule of figures included in this application document

Figure reference	Document title	Sheet	Document number	Revision
9-1	Zone of Theoretical Visibility winter scenario	1 of 1	GCCM5J10-ATK-ELS-ZZ-GS-GI-000002	0
9-2	Landscape plan	1 of 1	GCCM5J10-ATK-ELS-ZZ-GS-GI-000003	0
9-3	Landscape and visual constraints	1 of 1	GCCM5J10-ATK-ELS-ZZ-GS-GI-000001	1



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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)	
Construction	None
Maintenance / Cleaning	None
Use	None
Decommission / Demolition	None

LEGEND	
	SCHEME ALIGNMENT
	1KM STUDY AREA
	2KM STUDY AREA
	INDICATIVE OBSERVER POINTS AT 200M INTERVALS ALONG SCHEME ALIGNMENT
	INDICATIVE EXTENT OF SURROUNDING AREA FROM WHICH VIEWS TO THE SCHEME ALIGNMENT MAY BE VISIBLE

**NOTES**

THE ZONE OF THEORETICAL VISIBILITY (ZTV) SHOWN IS A THEORETICAL INDICATION OF THE AREA WITHIN WHICH THE PROPOSED SCHEME MAY BE VISIBLE.

THE ZTV IS BASED ON A 5 METRE DIGITAL TERRAIN MODEL (DTM). THE DTM DOES NOT CONSIDER THE SURFACE DETAIL OF BUILDINGS OR VEGETATION, THEREFORE 8M BUILDING HEIGHTS HAVE BEEN ADDED TO SIMULATE SCREENING DURING WINTER MONTHS.

A HEIGHT OF 1.6M HAS BEEN ADDED TO THE SURROUNDING SURFACE TO SIMULATE ASSUMED EYE LEVEL, AND A HEIGHT OF 4.5M HAS BEEN ADDED TO THE PROPOSED ROAD ALIGNMENT TO SIMULATE THE AVERAGE HEIGHT OF HGV TRAFFIC. NO PROPOSED LANDSCAPING AROUND THE SITE HAS BEEN INCLUDED IN THIS ANALYSIS.

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date

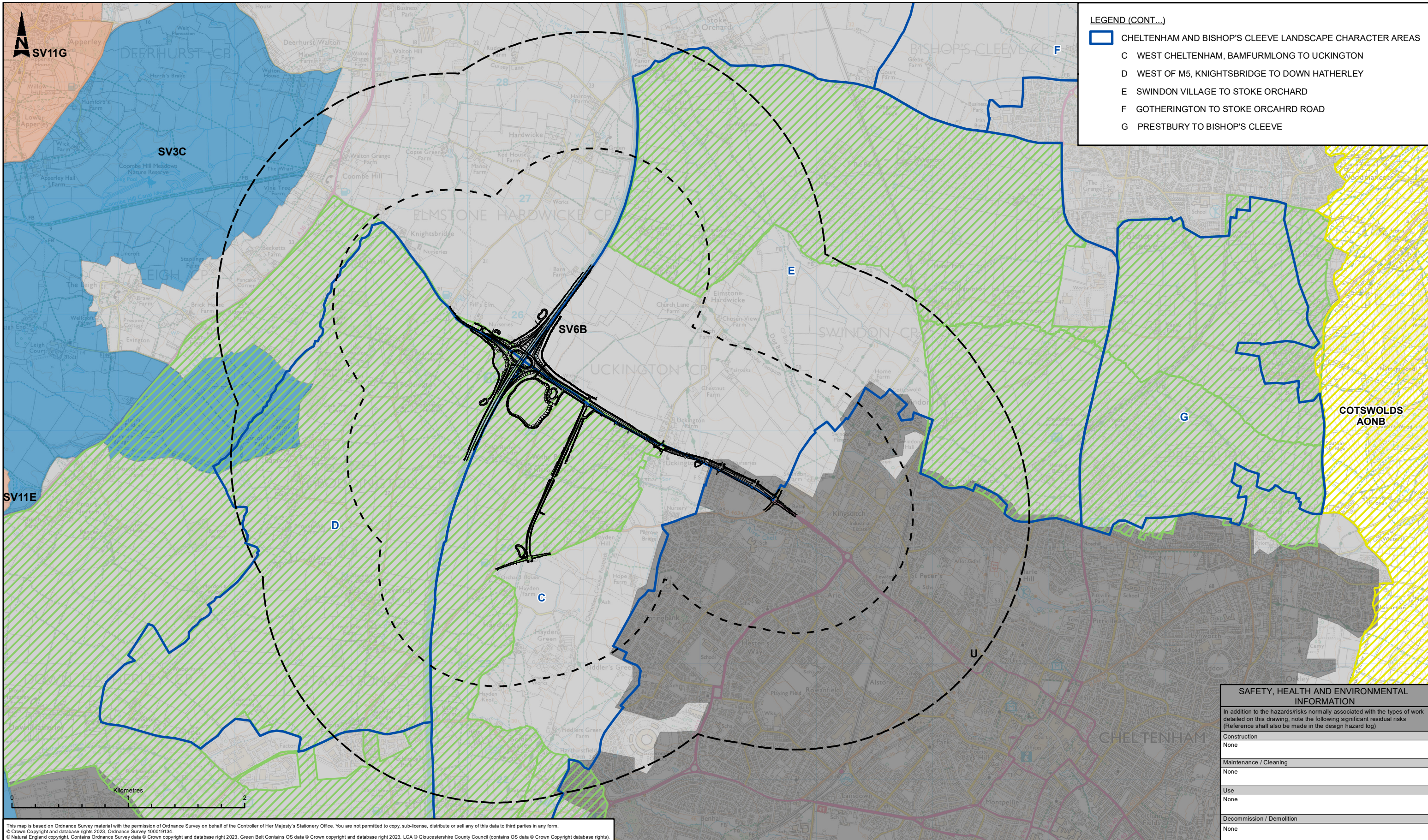
Drawing Suitability: **PUBLISHED**

Status: **A1**

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Client: **Gloucestershire COUNTY COUNCIL**

Project Title		M5 Junction 10 Improvements Scheme	
Drawing Title		FIGURE 9-1 ZONE OF THEORETICAL VISIBILITY WINTER SCENARIO	
Project	Originator	Volume	
GCCM5J10 - ATK - ELS			
ZZ - GS - GI - 000002			
Location	Type	Role	Number
Original Size: A3	Scale: 1:40,000	Project Ref: 5214106	Sheet: 1 of 1 Rev: P02



**LEGEND (CONT...)**

- CHELTENHAM AND BISHOP'S CLEEVE LANDSCAPE CHARACTER AREAS
- C WEST CHELTENHAM, BAMFURLONG TO UCKINGTON
- D WEST OF M5, KNIGHTSBRIDGE TO DOWN HATHERLEY
- E SWINDON VILLAGE TO STOKE ORCHARD
- F GOTHERINGTON TO STOKE ORCAHRD ROAD
- G PRESTBURY TO BISHOP'S CLEEVE

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)	
Construction	None
Maintenance / Cleaning	None
Use	None
Decommission / Demolition	None

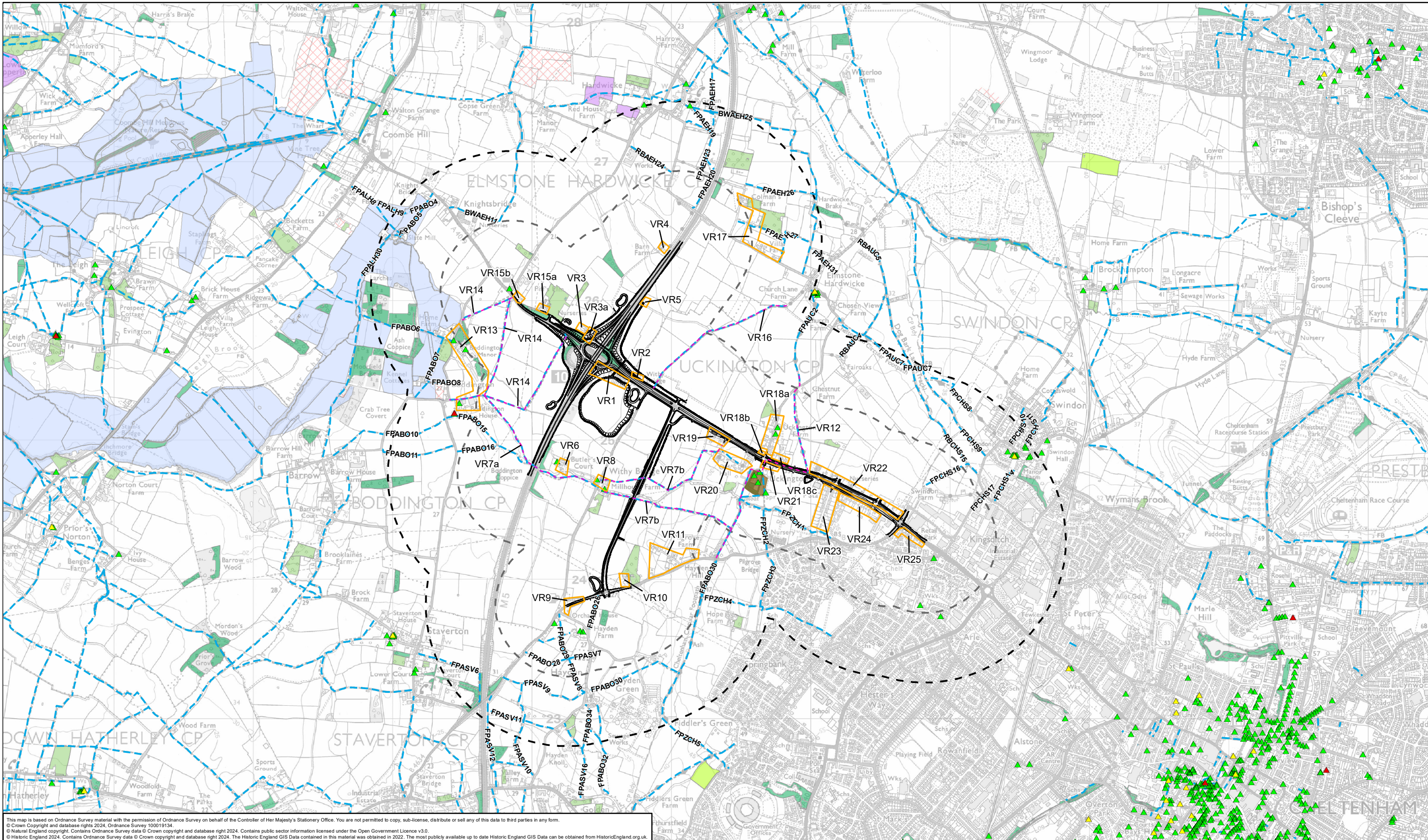
**LEGEND**

- SCHEME ALIGNMENT
- 1KM STUDY AREA
- 2KM STUDY AREA
- AREAS OF OUTSTANDING NATURAL BEAUTY (AONB)
- GREEN BELT

**VARIOUS GLOUCESTERSHIRE VALES LANDSCAPE CHARACTER AREAS (2006)**

<span style="background-color: lightblue; width: 15px; height: 10px; display: inline-block; margin-right: 5px;"></span> FLOODPLAIN FARMLAND	SV11E SANDHURST AND NORTON HILLS
<span style="background-color: lightgrey; width: 15px; height: 10px; display: inline-block; margin-right: 5px;"></span> SETTLED UNWOODED VALE	SV11G APPERLEY HILL
<span style="background-color: lightorange; width: 15px; height: 10px; display: inline-block; margin-right: 5px;"></span> VALE HILLOCKS	SV3C THE SEVERN HAMS (GLOUCESTER TO TEWKESBURY SOUTH)
<span style="background-color: grey; width: 15px; height: 10px; display: inline-block; margin-right: 5px;"></span> URBAN	SV6B VALE OF GLOUCESTER
	U URBAN

Description		Drawing Suitability	Status	Project Title														
<table border="1"> <tr><th>Status</th><th>Revision</th><th>Drawn</th><th>Checked</th><th>Reviewed</th><th>Authorised</th><th>Issue Date</th></tr> <tr><td>PUBLISHED</td><td></td><td></td><td></td><td></td><td></td><td>06/03/23</td></tr> </table>		Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date	PUBLISHED						06/03/23	<b>PUBLISHED</b>	<b>A1</b>	M5 Junction 10 Improvements Scheme
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date												
PUBLISHED						06/03/23												
Description		 Member of the SNC-Lavalin Group 5th Floor, Block 5 Shire Hall Bearland Gloucester GL1 2TH Tel: 08000 514 514 www.atkinsglobal.com		Drawing Title														
Description				Drawing Number Project: GCCM5J10 - ATK - ELS Originator: ZZ - GS - GI - 000003 Volume:														
Description		<table border="1"> <tr><th>Status</th><th>Revision</th><th>Drawn</th><th>Checked</th><th>Reviewed</th><th>Authorised</th><th>Issue Date</th></tr> <tr><td>PUBLISHED</td><td></td><td></td><td></td><td></td><td></td><td>06/03/23</td></tr> </table>		Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date	PUBLISHED						06/03/23	Client: Gloucestershire County Council Location: Project: Type: Role: Number: Rev: Original Size: A3 Scale: 1:30,000 Project Ref: 5214106 Sheet: 1 of 1 Rev: P01
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date												
PUBLISHED						06/03/23												



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LEGEND	
	SCHEME ALIGNMENT
	EXISTING PUBLIC RIGHTS OF WAY (PRoW)
	VISUAL RECEPTOR PRoW
	VISUAL RECEPTOR GROUP
	1KM STUDY AREA
	500M STUDY AREA
	SCHEDULED MONUMENTS
<b>LISTED BUILDINGS</b>	
	GRADE I
	GRADE II*
	GRADE II
	COASTAL AND FLOODPLAIN GRAZING MARSH
	DECIDUOUS WOODLAND
	GOOD QUALITY SEMI-IMPROVED GRASSLAND
	LOWLAND MEADOWS
	TRADITIONAL ORCHARD
	NO MAIN HABITAT BUT ADDITIONAL HABITATS PRESENT

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
	PUBLISHED	A1	KS	AT	CC	LJ	17/07/24

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 COUNTY COUNCIL

<b>PUBLISHED</b>		<b>A1</b>	M5 Junction 10 Improvements Scheme
<b>FIGURE 9-3</b>		<b>LANDSCAPE AND VISUAL CONSTRAINTS</b>	
Project	Originator	Volume	
GCCM5J10 - ATK - ELS	ZZ - GS - GI - 000001		
Location	Type	Role	Number
A3	1:25,013	Project Ref: 5214106	Sheet: 1 of 1
Original Size:	Scale:	Project Ref:	Sheet:
A3	1:25,013	5214106	1 of 1
Rev:			P04

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