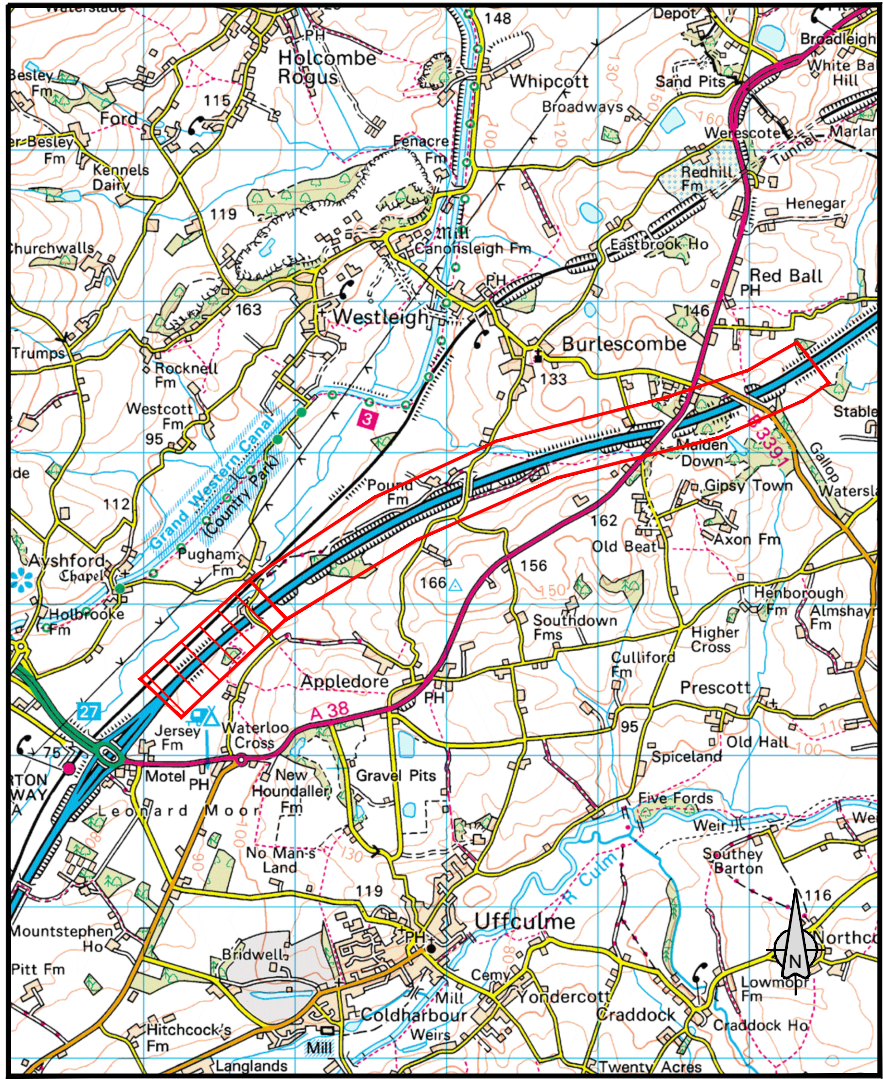
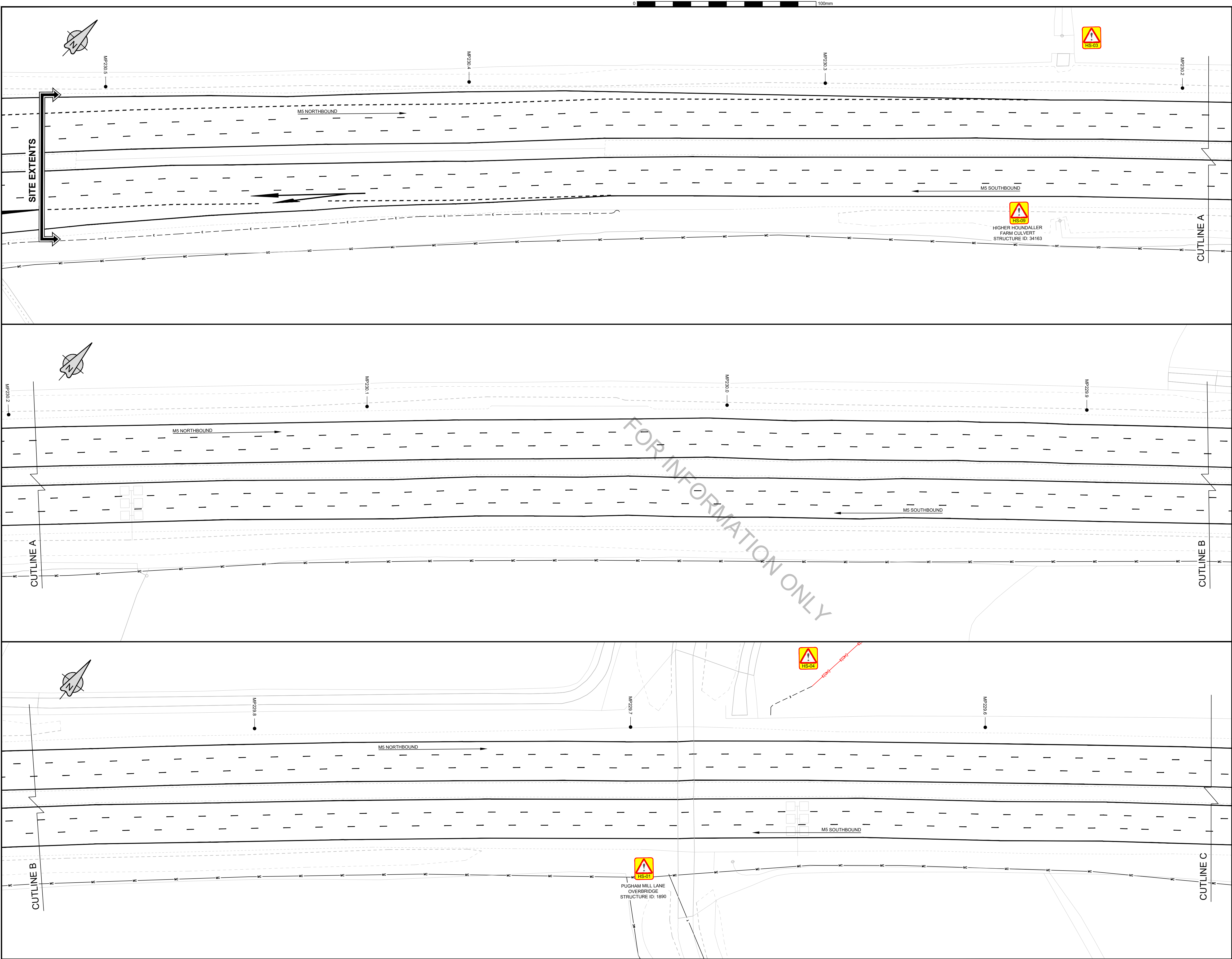


Ref.	Activity	Hazard	Persons at Risk *	Design Measures taken, or being taken to eliminate or reduce the hazard	Information on the Residual Risk	Principal Designer Review	Action Req'd by: **
				of these works. A type 2 Asbestos management survey is due to be undertaken as part of these works. Suitable PPE is to be worn at all times.			
1.9	Concurrent site activities	Interface between contractors during different survey works activities.	1	Principal contractor to ensure different survey activities do not take place in the same areas at the same time to reduce the likelihood of accidents to workers in the works areas.	A residual risk remains and shall be conveyed to contractor(s) via the construction drawings and design information pack	No further comment.	PC
6.5	Leptosirosis / Weils Disease	Workers exposed to Leptosirosis / Weils Disease during drainage survey works.	1	Suitable PPE is to be worn at all times.	A residual risk remains and shall be conveyed to contractor(s) via the construction drawings and design information pack	No further comment.	PC
6.4	Confined spaces	Working in confined spaces during drainage survey works.	1	Suitable PPE is to be worn at all times. Contractor to look into possibility of avoiding the need for workers to enter into confined spacing in order to carry out the survey works. However if the works in confined spaced cannot be avoided then a risk assessment shall be carried out to ensure a safe system of working.	A residual risk remains and shall be conveyed to contractor(s) via the construction drawings and design information pack	No further comment.	PC
N/A	All activities	Covid 19	All	Contractors RAMS to incorporate government guidance on social/physical distancing	Risk remains however likelihood reduced	No further comment.	Principal Contract or & Contract ors



RESIDUAL DESIGN HAZARDS

THE FOLLOWING HAS BEEN COLLECTED FROM THE PRE-CONSTRUCTION INFORMATION AND HIGHLIGHTS KNOWN RESIDUAL HAZARDS.

KEY

	HS-#	= HEALTH AND SAFETY RISK REFERENCE NUMBER
	E-#	= ENVIRONMENT RISK REFERENCE NUMBER

- NOTES**
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 2. DO NOT SCALE FROM THIS DRAWING. USE STATED DIMENSIONS ONLY. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
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KEY

GAS (MEDIUM PRESSURE)		GMP
GAS (ABANDONED)		G
ELECTRICITY OVERHEAD		EOH
ELECTRICITY UNDERGROUND		E
TELEPHONE OVERHEAD		T
TELEPHONE UNDERGROUND		T
MOTORWAY COMMS		MC
WATER SUPPLIES		W
SEWERS		F
TRAFFIC LOOPS		
MARKER NODES		

C2	UPDATED STATS INFO	AM	GR	11/07/2021
C1	FIRST ISSUE	DF	MO	15/05/2020
REV	DETAILS	CHKD	APPD	DATE

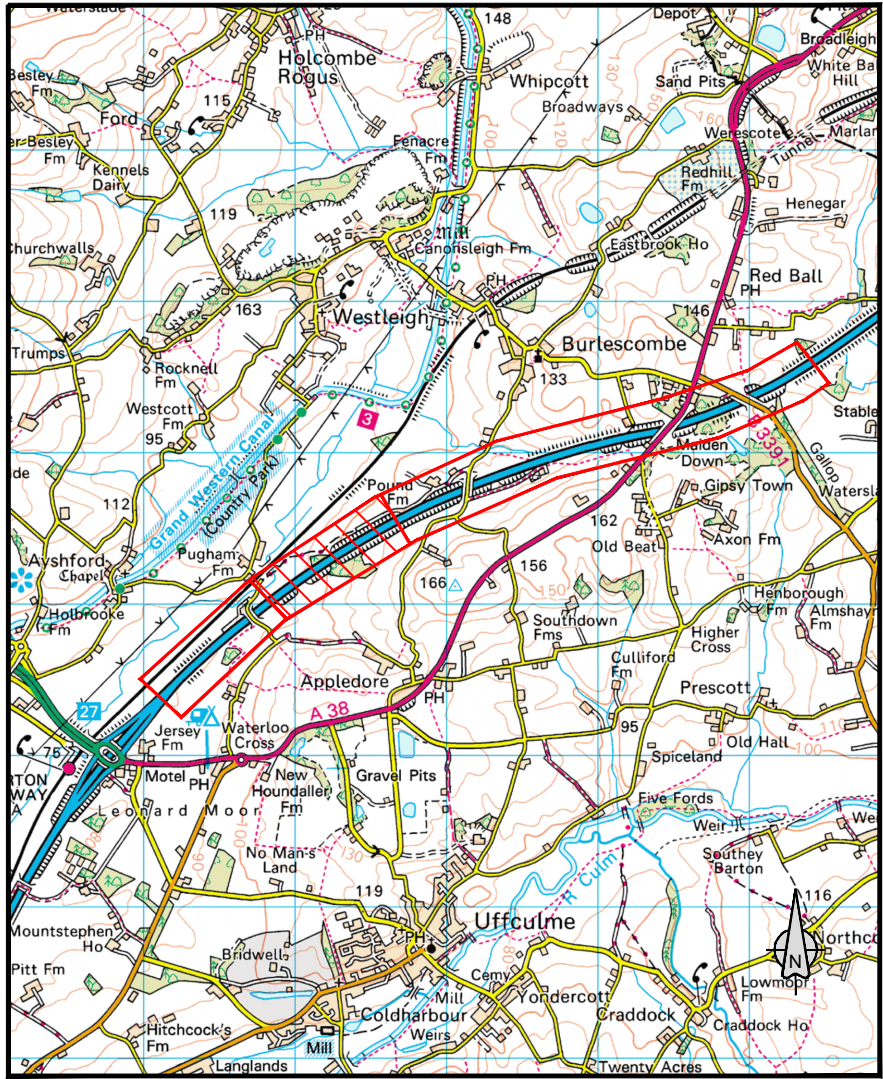
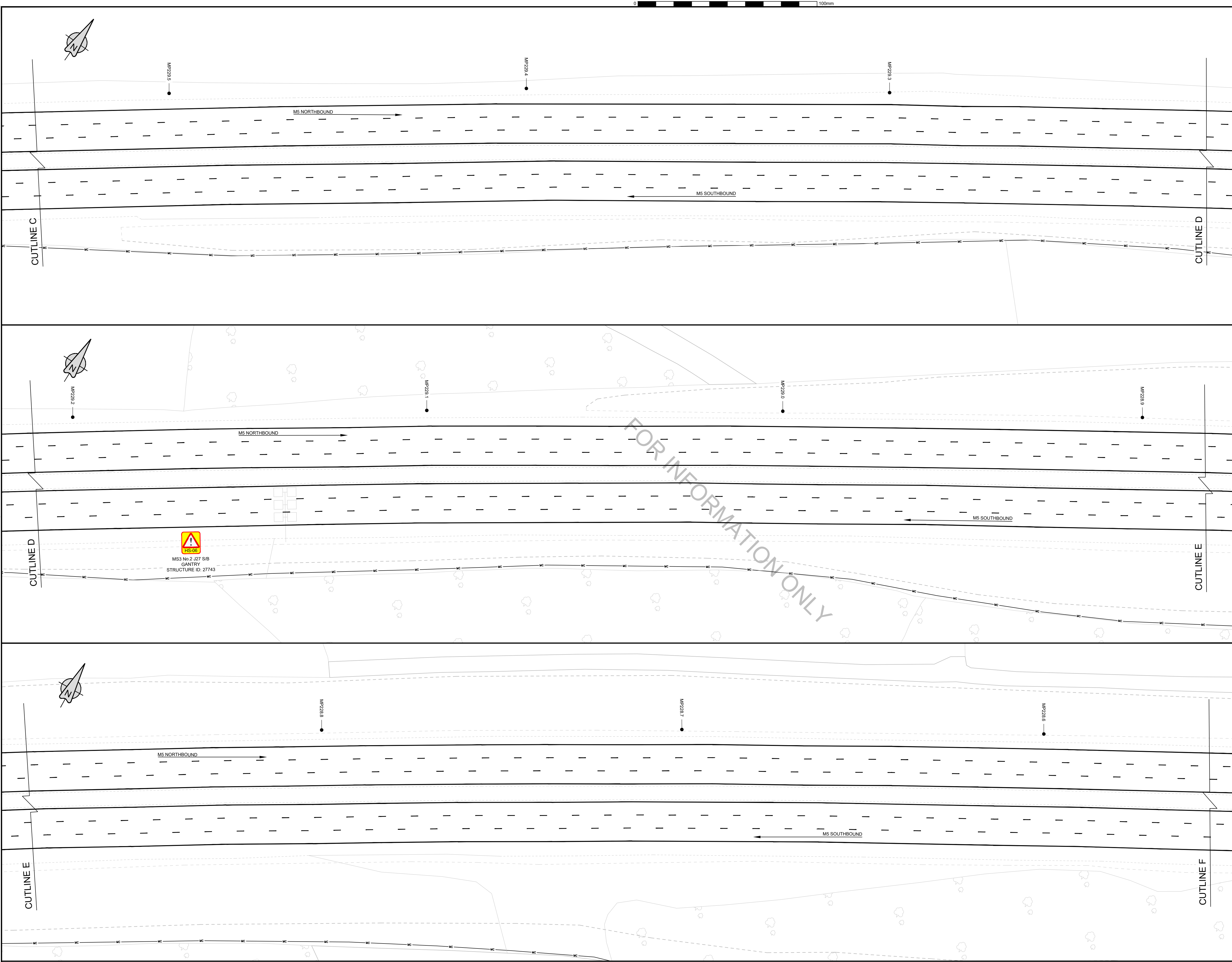


SCHEME NAME
570131B VRS GATEWAY 1A STUDY 2019-2020
SCHEME 10 - M5 J26 TO J27 MP 225.6-230.5

DRAWING TITLE
STATUTORY UNDERTAKERS PLAN
(SHEET 1 OF 5)

DRAWN : SA	SCALE : 1:500	DRAWING STATUS
DESIGN : SA	DIMENSIONS : m	WORK IN PROGRESS
CHKD : DF	ORIG DWG SIZE: A1	PRELIMINARY DRAWING
APPD : MC	COPYRIGHT © KIER	EXTERNAL ISSUE
DATE : 15/05/20		AS-BUILT
SUITABILITY: S2	FOR INFORMATION	

DRAWING NUMBER	PROJECT	ORIGINATOR	VOLUME	SCHEME REFERENCE No.
HE570131	-	KIER	- GEN	570131
M5_225.6_230.5	- DE - CH -	000001		REVISION
LOCATION	TYPE	ROLE	NUMBER	C 2



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- KEY**
- HS-01 - OVERBRIDGE
 - HS-02 - UNDERBRIDGE
 - HS-03 - WATERCOURSE
 - HS-04 - OVERHEAD ELECTRICITY CABLES
 - HS-05 - GAS MAINS
 - HS-06 - GANTRY
 - HS-07 - OVERHEAD TELEPHONE CABLES
 - HS-08 - ABANDONED GAS PIPELINE
 - HS-09 - CULVERT

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- KEY**
- GAS (MEDIUM PRESSURE) — GMP —
 - GAS (ABANDONED) — 0 —
 - ELECTRICITY OVERHEAD — EOH —
 - ELECTRICITY UNDERGROUND — E —
 - TELEPHONE OVERHEAD — T —
 - TELEPHONE UNDERGROUND — T —
 - MOTORWAY COMMS — MC —
 - WATER SUPPLIES — W —
 - SEWERS — S —
 - TRAFFIC LOOPS — [Symbol] —
 - MARKER NODES — [Symbol] —

C2	UPDATED STATS INFO	AM	GR	11/07/2021
C1	FIRST ISSUE	DF	MO	15/05/2020
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CLIENT

AGENT

SCHEME NAME

570131B VRS GATEWAY 1A STUDY 2019-2020

SCHEME 10 - M5 J26 TO J27 MP 225.6-230.5

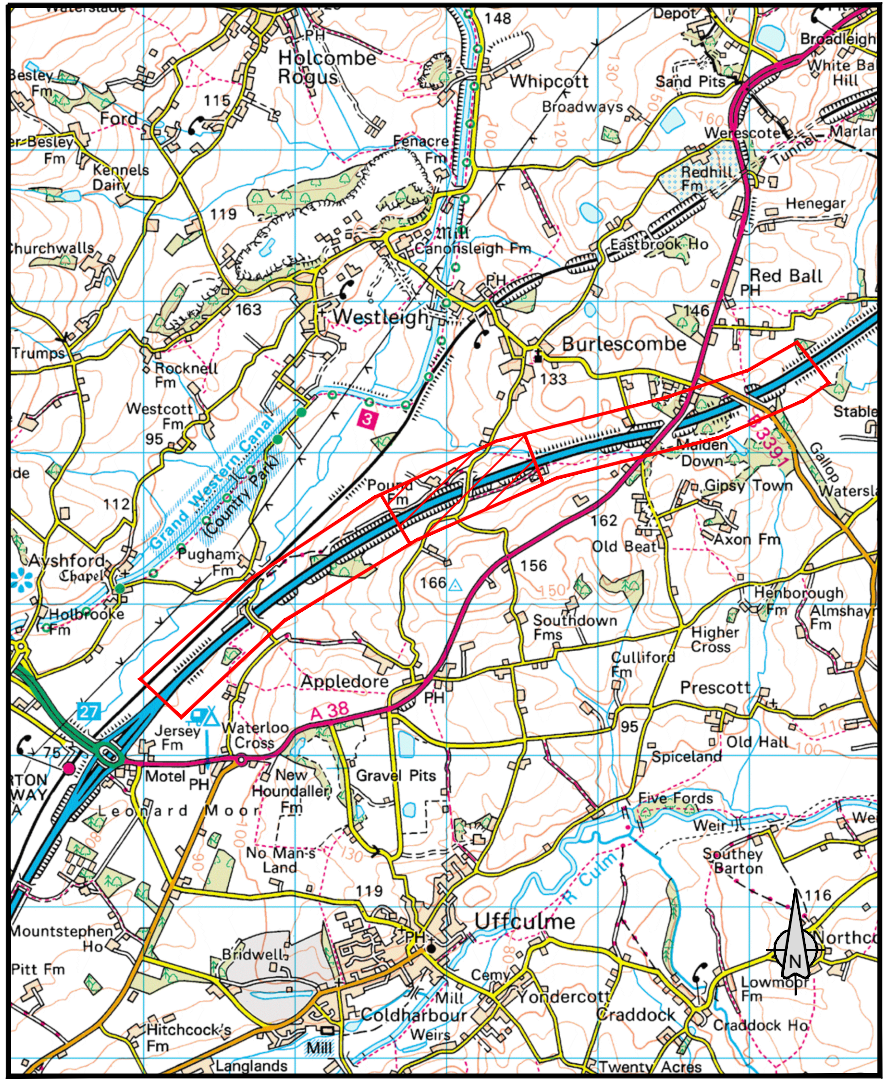
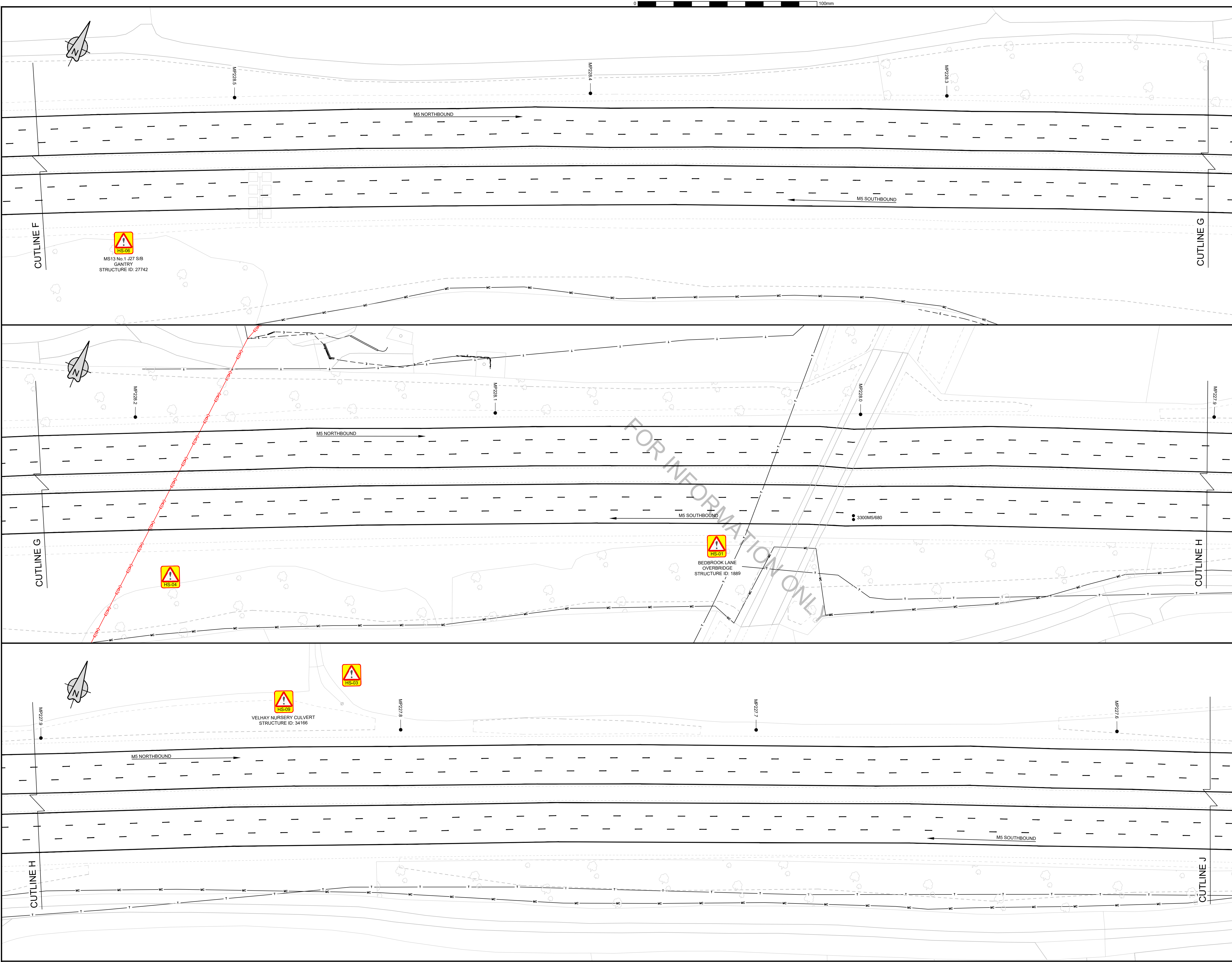
DRAWING TITLE

STATUTORY UNDERTAKERS PLAN

(SHEET 2 OF 5)

DRAWN : SA	SCALE : 1:500	DRAWING STATUS
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HE570131	-	KIER	- GEN	570131
M5_225.6_230.5	-	DE - CH	- 000002	REVISION
LOCATION	TYPE	ROLE	NUMBER	C 2



LOCATION PLAN
NTS

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DRAWING TITLE
STATUTORY UNDERTAKERS PLAN
(SHEET 3 OF 5)

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