

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**
1. THIS IS A C.A.D. DRAWING AND SHOULD NOT BE AMENDED BY HAND.
 2. DO NOT SCALE FROM THIS DRAWING: USE STATED DIMENSIONS ONLY. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
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 5. MARKER POSTS ARE SHOWN FOR INDICATIVE PURPOSE ONLY. CHAINAGES SHOWN ON THIS DRAWING HAVE BEEN SET OUT EVERY 20m ALONG THE CHART SECTIONS INDICATED THROUGHOUT THE EXTENTS OF THE WORKS.
 6. THIS INFORMATION HAS BEEN COMPILED FROM THE HADDM5 DATA BASE. KIER TAKES NO RESPONSIBILITY FOR ITS ACCURACY OR COMPLETENESS.
 7. TO BE READ IN CONJUNCTION WITH THE STATUTORY UNDERTAKERS PLANS, DRAWINGS NO. HE570131-KIER-HRR-M5_255.6_230.5-DE-CH-000001 TO 000005.

STATS KEY

GAS (MEDIUM PRESSURE) — GMP —
GAS (ABANDONED) — —
ELECTRICITY OVERHEAD — EOH —
ELECTRICITY UNDERGROUND — —
TELEPHONE OVERHEAD — —
TELEPHONE UNDERGROUND — —
MOTORWAY COMMS — —
WATER SUPPLIES — —
SEWERS — —
TRAFFIC LOOPS — —
MARKER NODES — —

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



CLIENT

AGENT

SCHEME NAME

570131B VRS GATEWAY 1A STUDY 2019-2020

SCHEME 10 - M5 J26 TO J27 MP 225.6-230.5

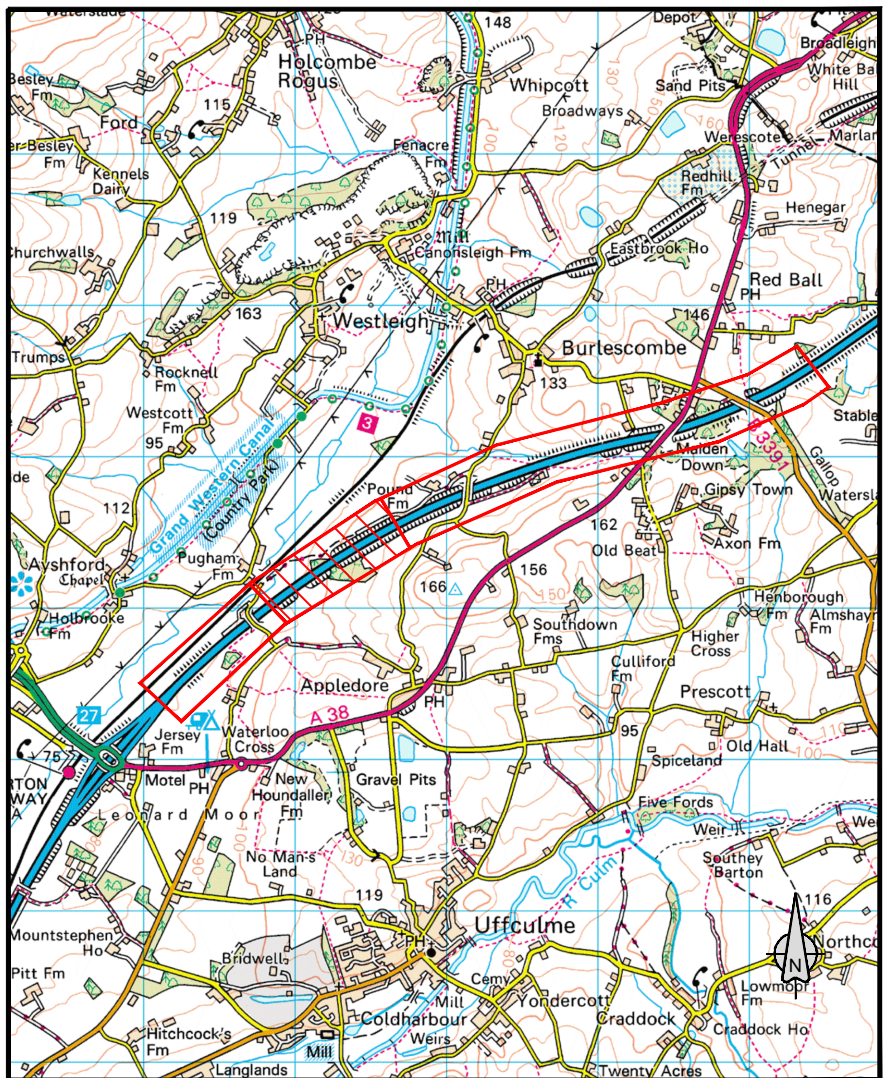
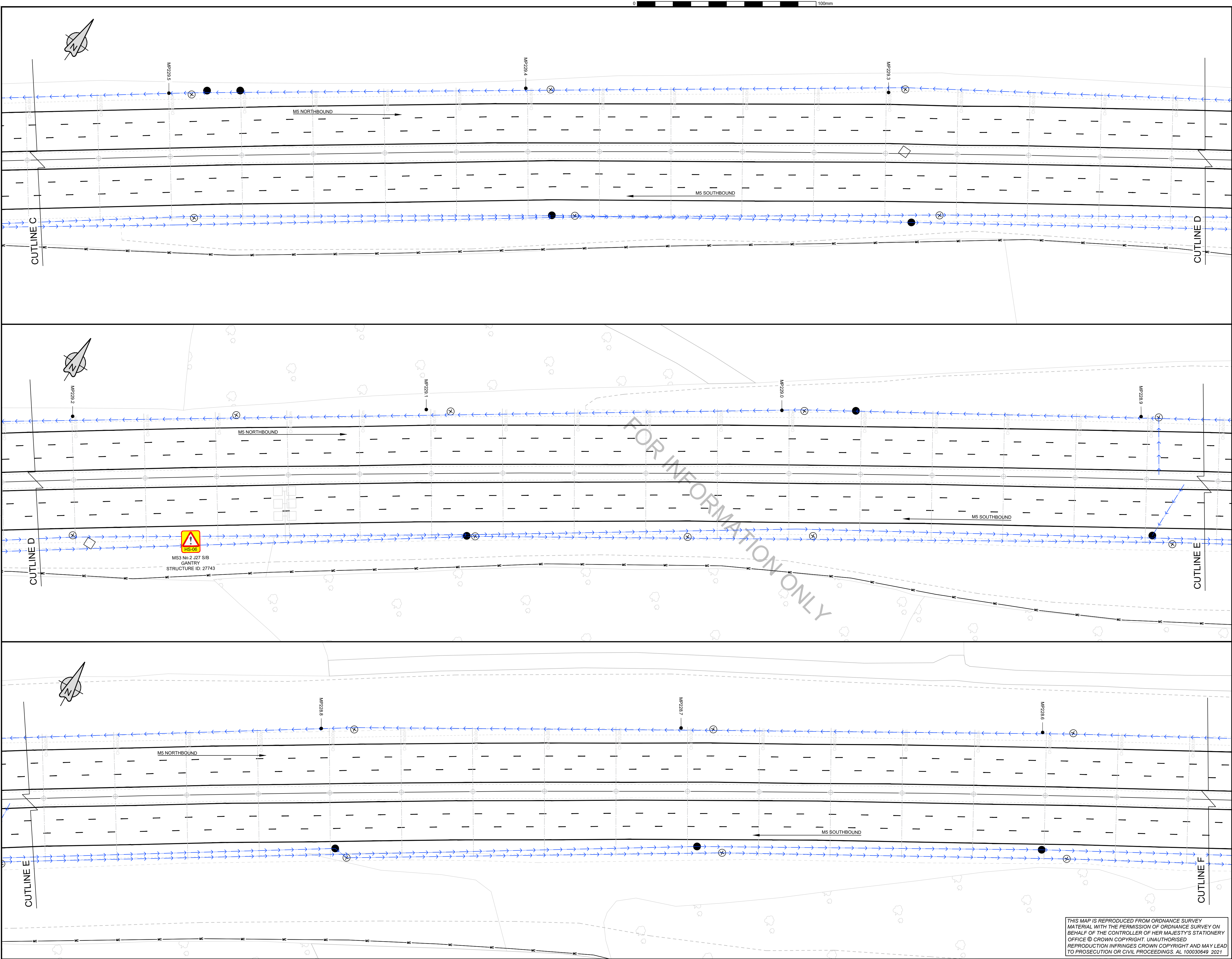
DRAWING TITLE

EXISTING DRAINAGE

(SHEET 1 OF 5)

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

DRAWING NUMBER	PROJECT	ORIGINATOR	VOLUME	SCHEME REFERENCE No.
HE570131	-	KIER	- HDG	570131
M5_225.6_230.5 - DE - CH -			050001	REVISION
LOCATION	TYPE	ROLE	NUMBER	C 2



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DRAINAGE KEY

SURFACE CHANNEL
SUB-SURFACE PIPE
COMBINED SURFACE AND SUB-SURFACE PIPE
CULVERT
MANHOLE
GULLY
CATCHPIT
OUTLET

STATS KEY

GAS (MEDIUM PRESSURE)
GAS (ABANDONED)
ELECTRICITY OVERHEAD
ELECTRICITY UNDERGROUND
TELEPHONE OVERHEAD
TELEPHONE UNDERGROUND
MOTORWAY COMMS
WATER SUPPLIES
SEWERS
TRAFFIC LOOPS
MARKER NODES



CLIENT

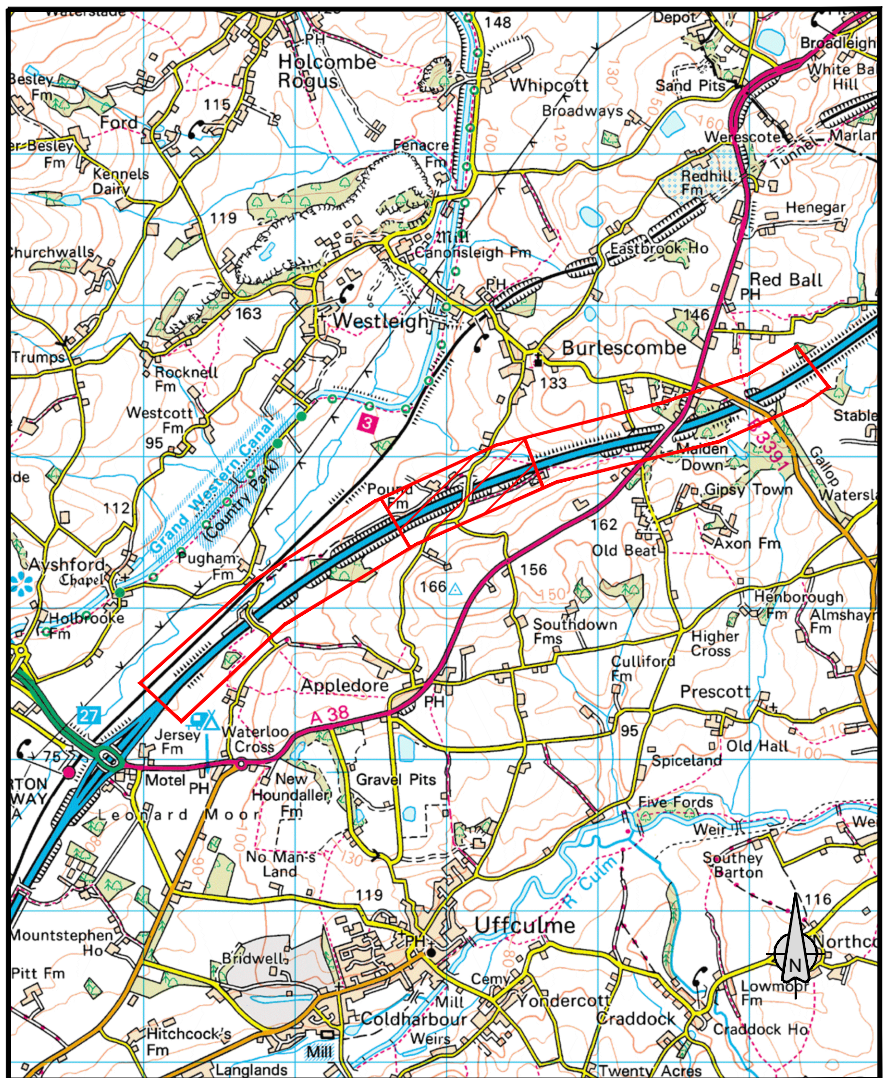
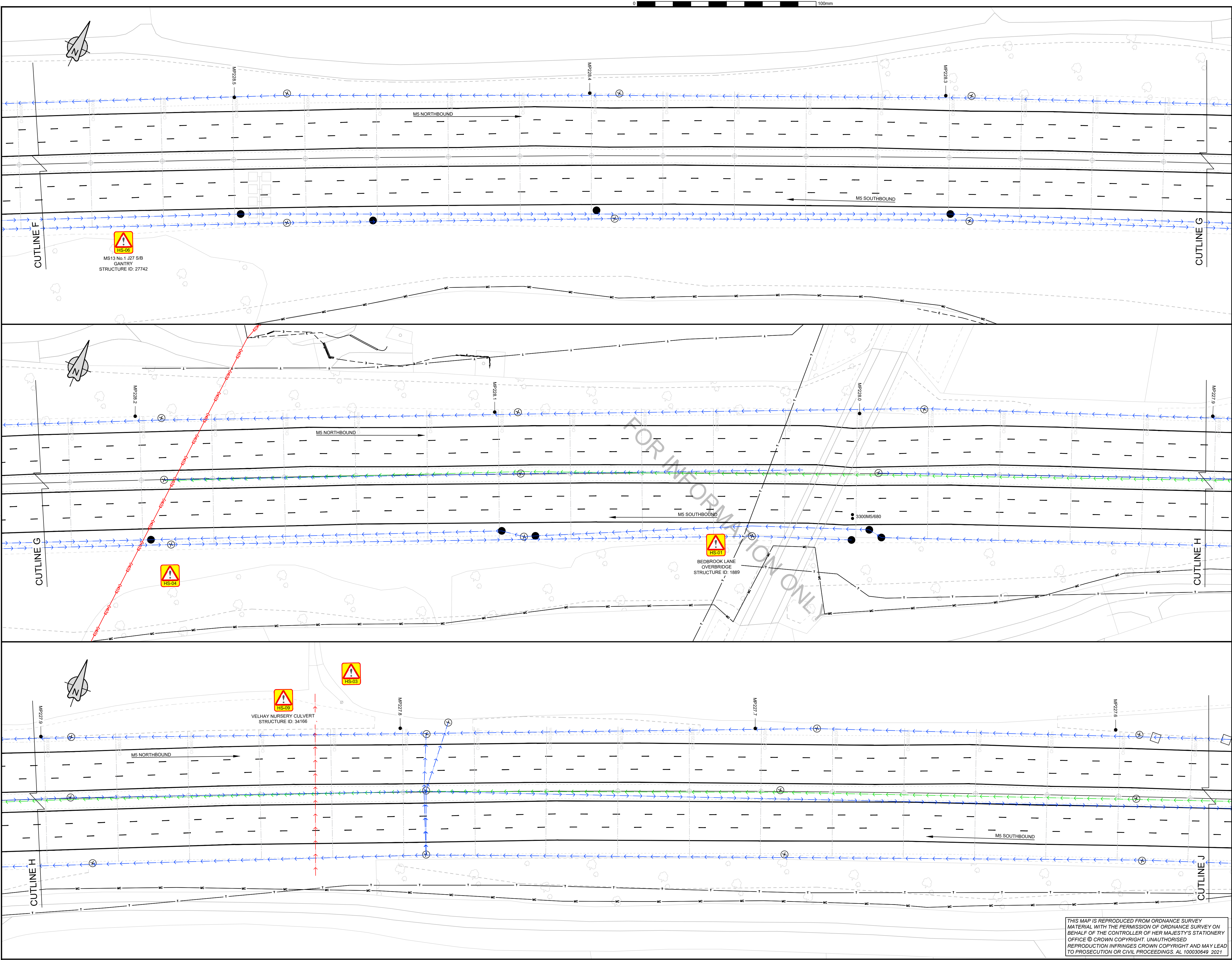
AGENT

SCHEME NAME

570131B VRS GATEWAY 1A STUDY 2019-2020
SCHEME 10 - M5 J26 TO J27 MP 225.6-230.5
EXISTING DRAINAGE
(SHEET 2 OF 5)

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

C2	REVISED DRAINAGE INFO	AM	GR	11/07/2021
C1	FIRST ISSUE	DF	MO	15/05/2020
REV	DETAILS	CHKD	APPD	DATE
DRAWING NUMBER				
PROJECT ORIGINATOR VOLUME				
HE570131 - KIER - HDG				
M5_225.6_230.5 - DE - CH - 050002				
LOCATION TYPE ROLE NUMBER				
REVISION				
C 2				



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E-# = ENVIRONMENT RISK REFERENCE NUMBER

- 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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DRAINAGE KEY

SURFACE CHANNEL
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STATS KEY

GAS (MEDIUM PRESSURE)
GAS (ABANDONED)
ELECTRICITY OVERHEAD
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TELEPHONE UNDERGROUND
MOTORWAY COMMS
WATER SUPPLIES
SEWERS
TRAFFIC LOOPS
MARKER NODES

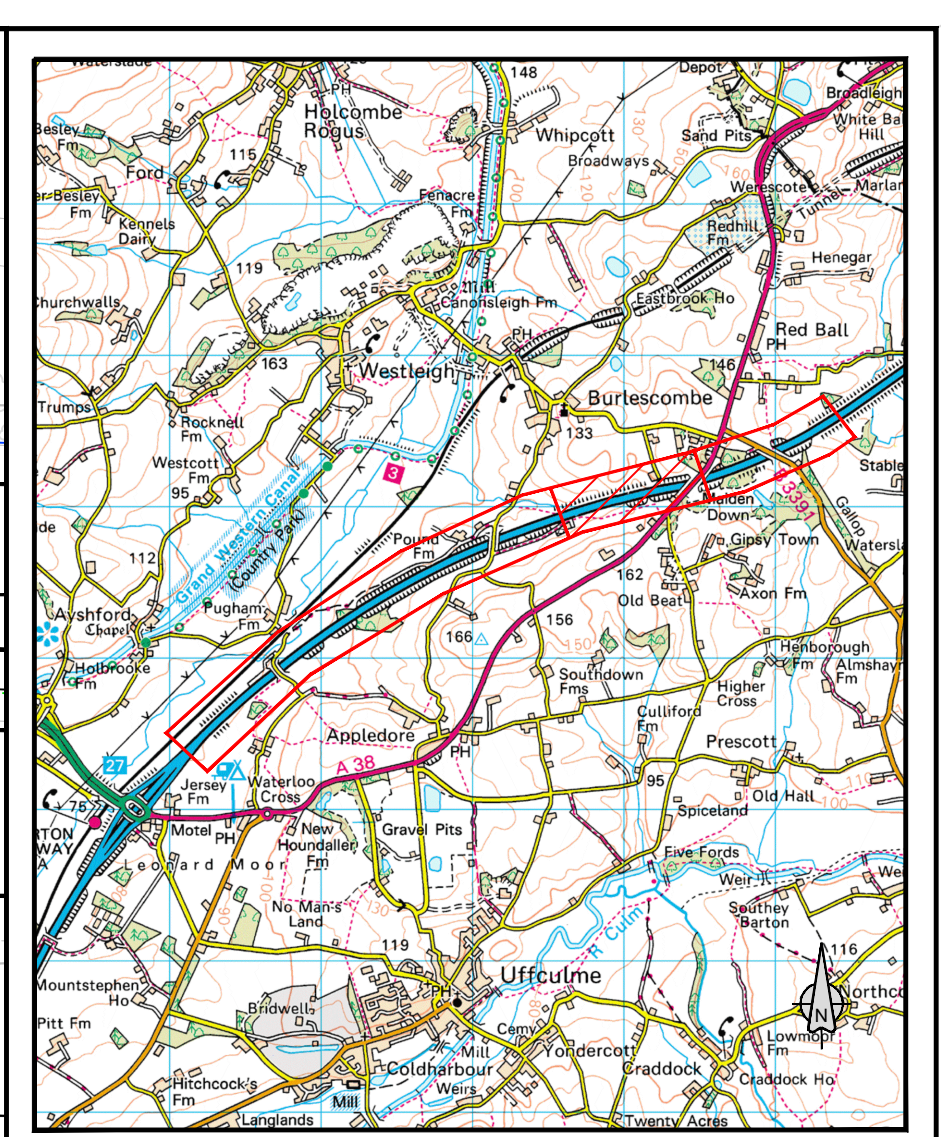
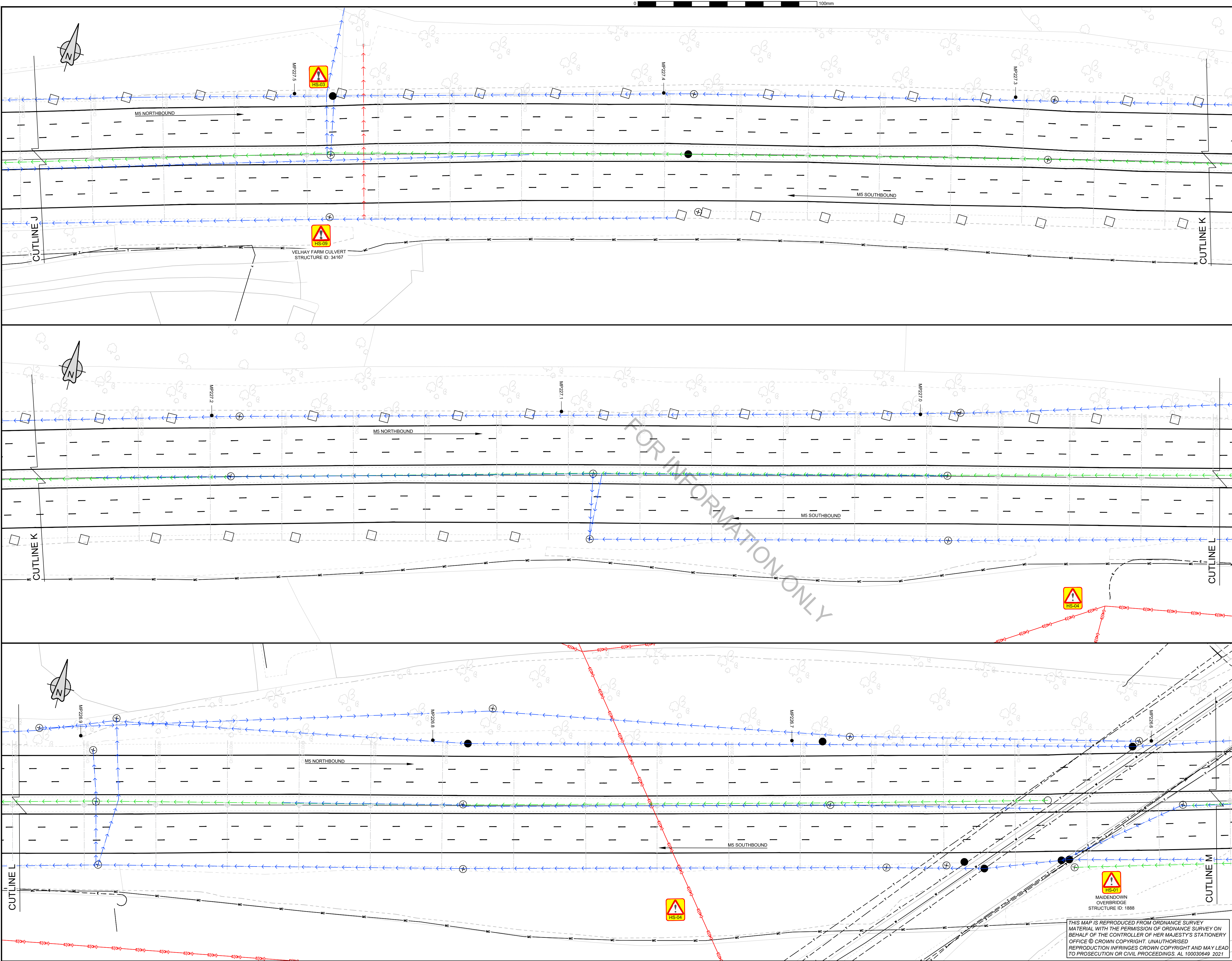
C2	SECOND ISSUE	AM	GR	11/07/2021
C1	FIRST ISSUE	DF	MO	15/05/2020
REV	DETAILS	CHKD	APPD	DATE

DRAWING NUMBER	PROJECT	ORIGINATOR	VOLUME	SCHEME REFERENCE No.
HE570131	-	KIER	- HDG	570131
M5_225.6_230.5 - DE - CH -	050003	LOCATION	TYPE	REVISION
		ROLE	NUMBER	C 2



SCHEME NAME
570131B VRS GATEWAY 1A STUDY 2019-2020
SCHEME 10 - M5 J26 TO J27 MP 225.6-230.5
DRAWING TITLE
EXISTING DRAINAGE
(SHEET 3 OF 5)

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



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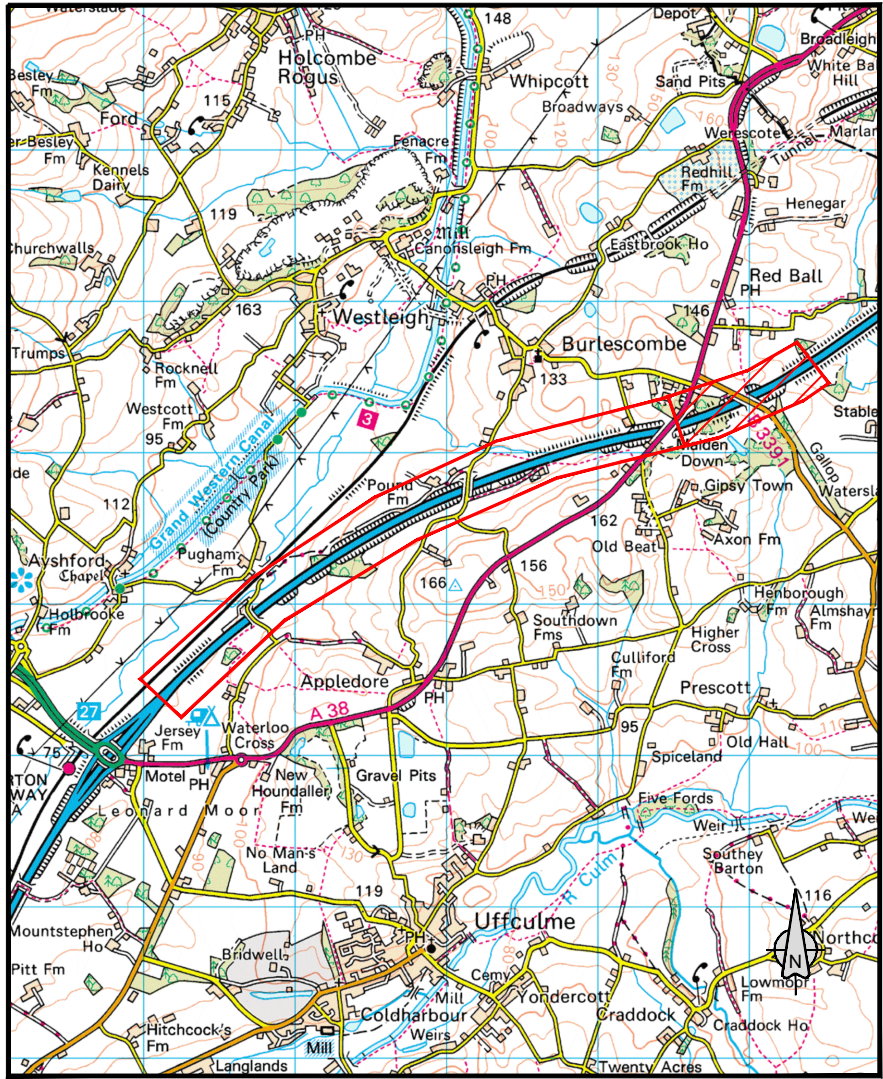
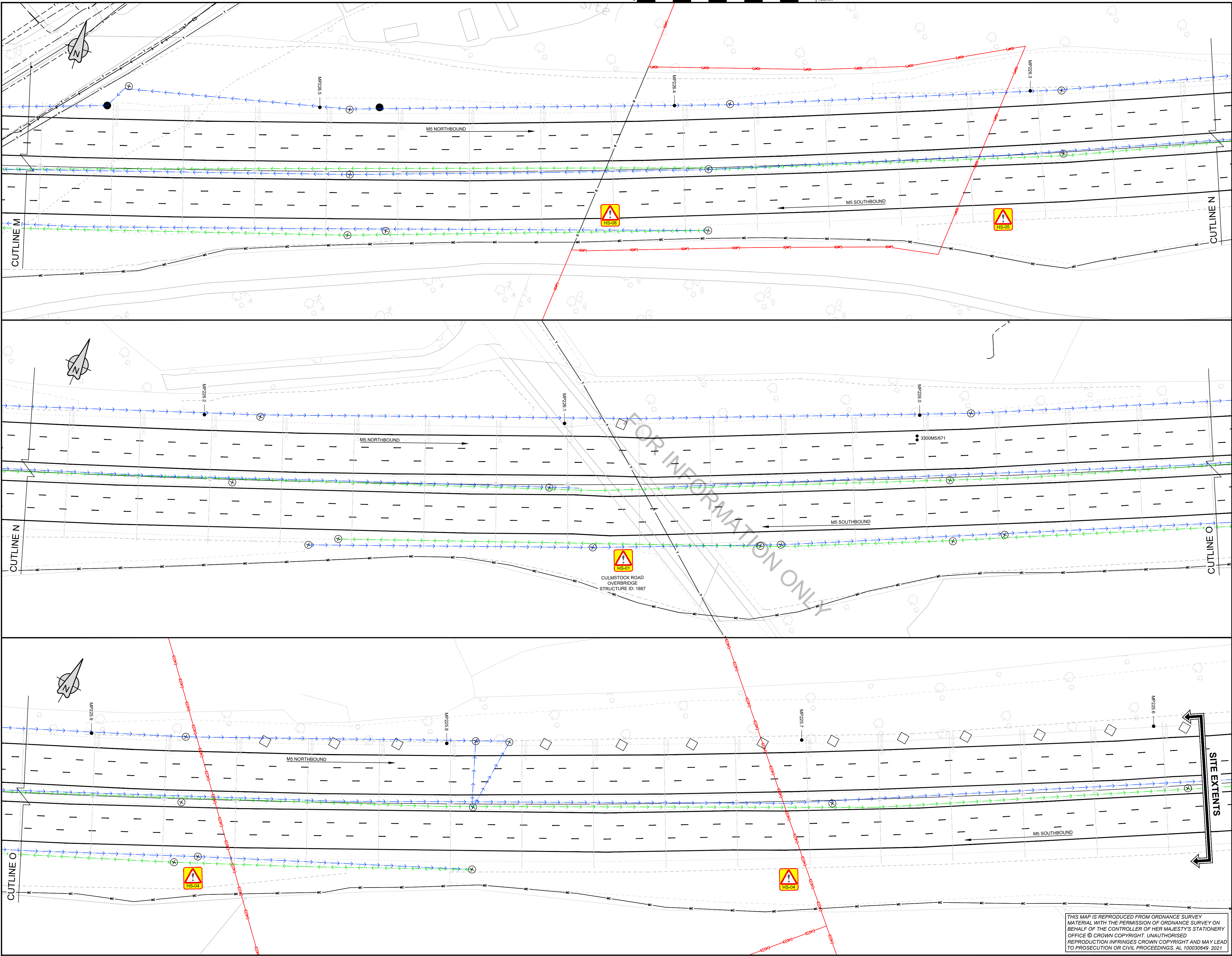
DRAINAGE KEY

- SURFACE CHANNEL
- SUB-SURFACE PIPE
- COMBINED SURFACE AND SUB-SURFACE PIPE
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- MANHOLE
- GULLY
- CATCHPIT
- OUTLET

STATS KEY

- GAS (MEDIUM PRESSURE)
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- MOTORWAY COMMS
- WATER SUPPLIES
- SEWERS
- TRAFFIC LOOPS
- MARKER NODES

CLIENT 	AGENT 	SCHEME NAME 570131B VRS GATEWAY 1A STUDY 2019-2020 SCHEME 10 - M5 J26 TO J27 MP 225.6-230.5	DRAWING TITLE EXISTING DRAINAGE (SHEET 4 OF 5)	DRAWN : RJ	SCALE : 1:500	DRAWING STATUS	DRAWING NUMBER HE570131 - KIER - HDG	SCHEME REFERENCE NO. 570131
				DESIGN : RJ	DIMENSIONS : m	WORK IN PROGRESS		
				CHKD : DF	ORIG DWG SIZE : A1	PRELIMINARY DRAWING		
				APPD : MO	COPYRIGHT © KIER	EXTERNAL ISSUE		
				DATE : 15/05/20		AS-BUILT		
				SUITABILITY: S2	FOR INFORMATION			
							M5_225.6_230.5 - DE - CH - 050004	REVISION C 2
							LOCATION TYPE ROLE NUMBER	



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C1	FIRST ISSUE	DF	MO	15/05/2020
REV	DETAILS	CHKD	APPD	DATE

DRAWING NUMBER				SCHEME REFERENCE No. 570131
PROJECT	ORIGINATOR	VOLUME		
HE570131	KIER	HDG		
M5_225.6_230.5 - DE - CH - 050005				REVISION
LOCATION	TYPE	ROLE	NUMBER	C 2



SCHEME NAME	570131B VRS GATEWAY 1A STUDY 2019-2020 SCHEME 10 - M5 J26 TO J27 MP 225.6-230.5
DRAWING TITLE	EXISTING DRAINAGE (SHEET 5 OF 5)

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