

**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

**HS-#**

- HS-01 - GANTRY
- HS-02 - UNDERBRIDGE
- HS-03 - OIL PIPELINE
- HS-04 - CCTV MAST
- HS-05 - OVERHEAD ELECTRICITY CABLES
- HS-06 - WATERCOURSE
- HS-07 - GAS PIPELINE
- HS-08 - OVERBRIDGE
- HS-09 - CULVERT
- HS-10 - M.O.D. PIPELINE

- NOTES**
- THIS IS A C.A.D. DRAWING AND SHOULD NOT BE AMENDED BY HAND.
  - DO NOT SCALE FROM THIS DRAWING. USE STATED DIMENSIONS ONLY. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
  - THIS DRAWING SHOULD BE PRINTED AND READ IN COLOUR ONLY.
  - OVERHEAD CABLE HEIGHTS TO BE CONFIRMED AND RECORDED BY WAY OF SIGNATURE AND DATE BY A TRAINED AND COMPETENT PERSON.
  - KIER TAKES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN ON THIS DRAWING, WHICH HAS BEEN COMPILED FROM PLANS PROVIDED BY THE UTILITY COMPANIES. THE LOCATION OF ALL SERVICES MUST BE CONFIRMED WITH THE RELEVANT SERVICE PROVIDER PRIOR TO UNDERTAKING ANY WORKS.
  - THE TOPOGRAPHICAL SURVEY IS TO EXTEND FROM THE KERB / EDGE LINE (IF PRESENT) TO THE HIGHWAY BOUNDARY UNLESS OTHERWISE STATED.
  - 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.
  - TRIAL HOLES LOCATED AT THE STRUCTURES ARE TO DETERMINE THE DEPTH OF BRIDGE PIER FOUNDATIONS AND OFFSET OF FOUNDATION EDGE FROM THE FACE OF THE BRIDGE PIER.
  - DRAINAGE CONNECTIVITY SURVEY IS FOR ALL DRAINAGE ASSETS IN A DRAINAGE SYSTEM, WHICH MAY ALSO INCLUDE DRAINAGE INFRASTRUCTURE OUTSIDE OF THE SURVEY AREA E.G. OUTFALLS.
  - FOR DRAINAGE SERVICES INFORMATION REFER TO DRAWINGS NO. HE570131-KIER-HRR-M5\_TYS\_LOOP-DE-CH-050001 TO 050003. NO GUARANTEE IS GIVEN TO THEIR ACCURACY.
  - SAMPLING OF WATERPROOFING MEMBRANES FOR ASBESTOS CONTENT SHALL BE UNDERTAKEN BY SUITABLY TRAINED AND COMPETENT PERSONNEL ONLY.
  - VEGETATION CLEARANCE TO CONSIST OF REMOVAL OF LOW LYING BRUSH ONLY; NO TREES TO BE REMOVED. CONTRACTOR TO MINIMISE VEGETATION CLEARANCE AS FAR AS REASONABLY PRACTICABLE TO COMPLETE THE TOPOGRAPHIC SURVEY. WHERE TREES ARE GROUPED THE CARRIAGEWAY SIDE SHALL BE ACCURATELY RECORDED.

**KEY**

- ELECTRICITY OVERHEAD
- ELECTRICITY UNDERGROUND
- SEWERS
- MOTORWAY COMMS
- OIL PIPELINE
- TRAFFIC LOOPS
- MARKER NODES
- DSTCB
- SSTCB
- SSOBB
- DSOBB
- DRSBB
- GA74
- CSB
- CHANGE IN VRS TYPE
- LINEAR DRAINAGE
- MANHOLE
- GULLY
- SURVEY AREA (DRAINAGE, DUCT AND ASBESTOS REPAIR/REPLACEMENT SURVEY) (13,244m<sup>2</sup>)
- SURVEY AREA (TOPOGRAPHIC SURVEY) (49,985m<sup>2</sup>)
- VEGETATION CLEARANCE (46,727m<sup>2</sup>)
- TRIAL HOLE STATS SURVEY & SOIL SAMPLING (25 No.)
- TRIAL HOLE SURVEY (STRUCTURES) (3 No.)
- SOIL SAMPLING (5 No.)
- PAVEMENT CORE (1 No.)
- HARD SURFACING

C2	REDUCED SURVEY SCOPE	AM	GR	14/07/2021
S2	FIRST ISSUE	SC	SR	24/02/2021
REV	DETAILS	CHKO	APPD	DATE

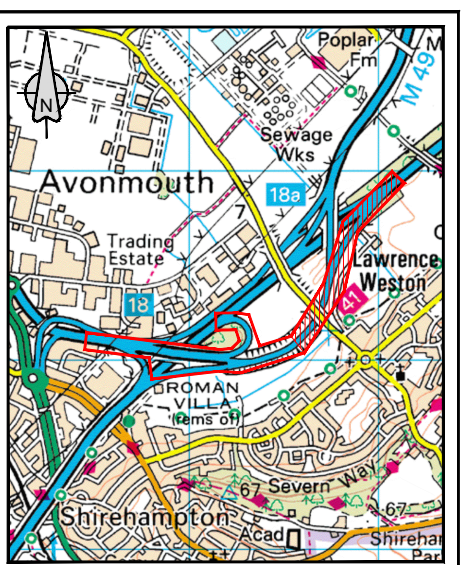
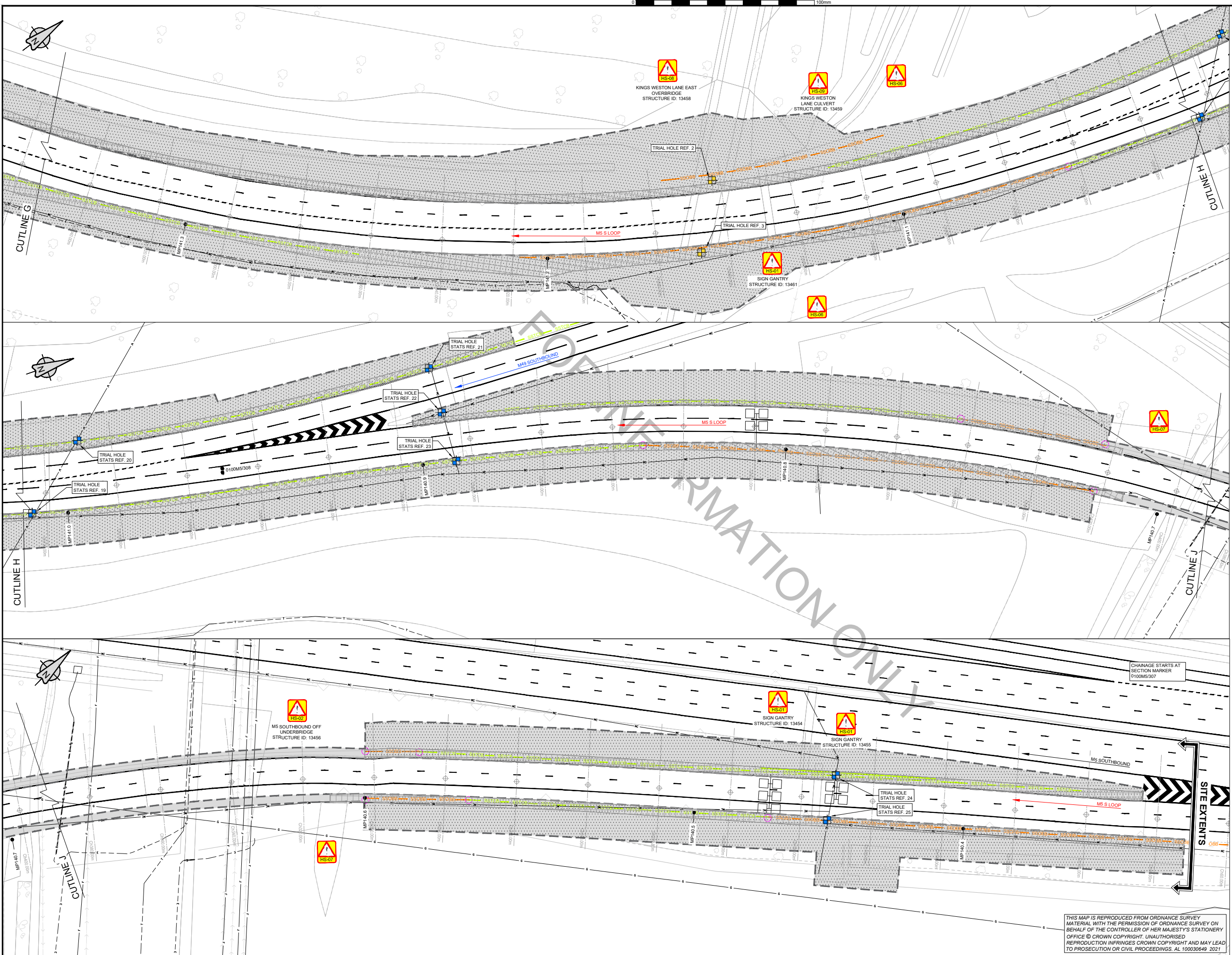
DRAWING NUMBER				SCHEME REFERENCE No. 570131
PROJECT	ORIGINATOR	VOLUME		
HE570131	KIER	HRR		
M5_TYS_LOOP - DE - CH - 010002				REVISION C2
LOCATION	TYPE	ROLE	NUMBER	



CLIENT	AGENT	SCHEME NAME	M5 J18 T, Y & S LOOPS
		DRAWING TITLE	LOOP SURVEYS (SHEET 2 OF 3)

DRAWN : RJ	SCALE : 1:500	DRAWING STATUS
DESIGN : RJ	DIMENSIONS : m	WORK IN PROGRESS
CHKD : SC	ORIG DWG SIZE : A1	PRELIMINARY DRAWING
APPD : SR	COPYRIGHT © KIER	EXTERNAL ISSUE
DATE : 24/02/21		AS-BUILT
SUITABILITY : S2	FOR INFORMATION	





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KEY	
ELECTRICITY OVERHEAD	—EOLH—EOLH—
ELECTRICITY UNDERGROUND	—EOLU—EOLU—
SEWERS	—S—S—
MOTORWAY COMMS	—MC—MC—
OIL PIPELINE	—OL—OL—
TRAFFIC LOOPS	—TL—TL—
MARKER NODES	—MN—MN—
DSTCB	—DSTCB—
SSTCB	—SSTCB—
SSOBB	—SSOBB—
DSOBB	—DSOBB—
DRSBB	—DRSBB—
GA74	—GA74—
CSB	—CSB—
CHANGE IN VRS TYPE	—VRS—VRS—
LINEAR DRAINAGE	—LD—LD—
MANHOLE	—MH—MH—
GULLY	—G—G—
SURVEY AREA (DRAINAGE, DUCT AND ASBESTOS REFRIBSHMENT SURVEY) (13,244m²)	—SA—SA—
SURVEY AREA (TOPOGRAPHIC SURVEY) (49,985m²)	—TSA—TSA—
VEGETATION CLEARANCE (46,727m²)	—VC—VC—
TRIAL HOLE STATS SURVEY & SOIL SAMPLING (25 No.)	—TH—TH—
TRIAL HOLE SURVEY (STRUCTURES) (3 No.)	—THS—THS—
SOIL SAMPLING (5 No.)	—SS—SS—
PAVEMENT CORE (1 No.)	—PC—PC—
HARD SURFACING	—HS—HS—

C2	REDUCED SURVEY SCOPE	AM	GR	14/07/2021
S2	FIRST ISSUE	SC	SR	22/02/2021
REV	DETAILS	CHKD	APPD	DATE

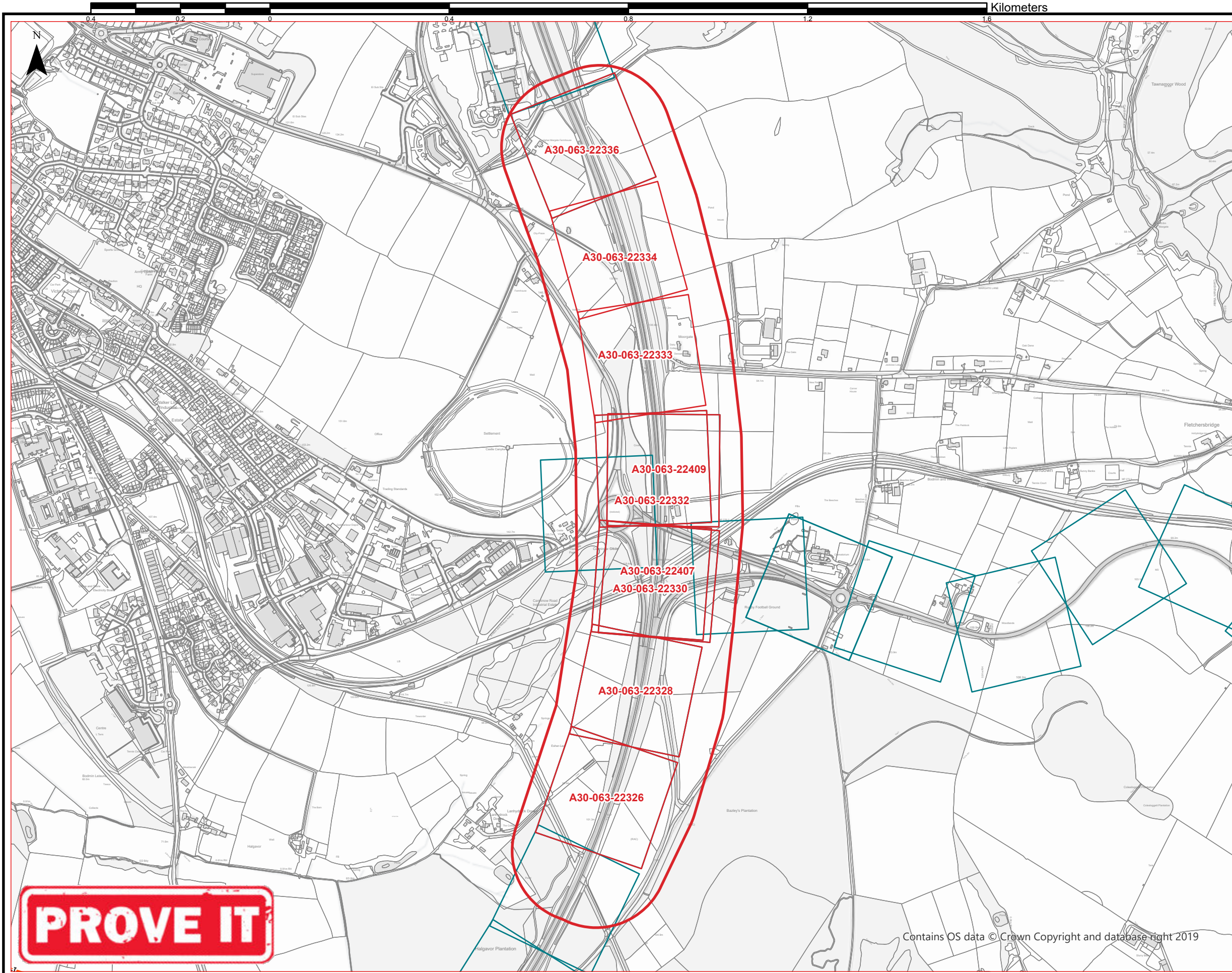


SCHEME NAME	
M5 J18 T, Y & S LOOPS	
DRAWING TITLE	
LOOP SURVEYS (SHEET 3 OF 3)	

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SUITABILITY : A	FOR CONSTRUCTION	

DRAWING NUMBER				SCHEME REFERENCE No.
PROJECT	ORIGINATOR	VOLUME		
HE570131	KIER	HRR		570131
M5_TYS_LOOP	DE	CH	010003	REVISION
LOCATION	TYPE	ROLE	NUMBER	C2





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Project  
**C2 STATS**  
Service Locations  
Index

Search Reference:	A30-063
Coordinates:	208842E 65726N m
Valid until: (YYYY-MM-DD)	2020-07-14

This Search

Other Searches

**GAS**

GAS-I Intermediate pressure,Intermediate pressure

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This data is produced from the PROVE-IT C2 STATS application, created and maintained by the Kier GIS department. Whilst every effort has been taken to ensure the accuracy of the data contained within this map, the information contained should not be used for any purpose other than as a general guide to the location of existing services. The download data herein is intended to fulfill the CDM C2 initial search requirements. Does not include highways street lighting currently. Please contact GIS@Kier.co.uk with any queries.

**Exact positions & depths must be obtained by excavation trial holes.**

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**To be read in conjunction with C2 data from the PROVE-IT Datastore**

AGENT

CLIENT

SCHEME NAME

DRAWING TITLE

ORIG DRAWING SIZE: A3	DIMENSIONS:
© KIER 2020	SCALE: 1:8,500

SCHEME REF. NO.	REVISION
DRAWING NUMBER	

Index\_A30-063