

National Asset Delivery Technical Surveys and Testing

569906

**Site Information for M5 J18-19 SB
143.8-145.5 Flood HS**

Trial Hole Survey

1 SITE INFORMATION

The Scheme is located on the M5 carriageway between Junction 18 – 19 from MP143/8 to MP145/5. The scheme length is approximately 1.7km and the scheme location can be seen below in Figure 1.

OSGR (E: 351662, N: 176443) to (E: 350288, N: 175575)

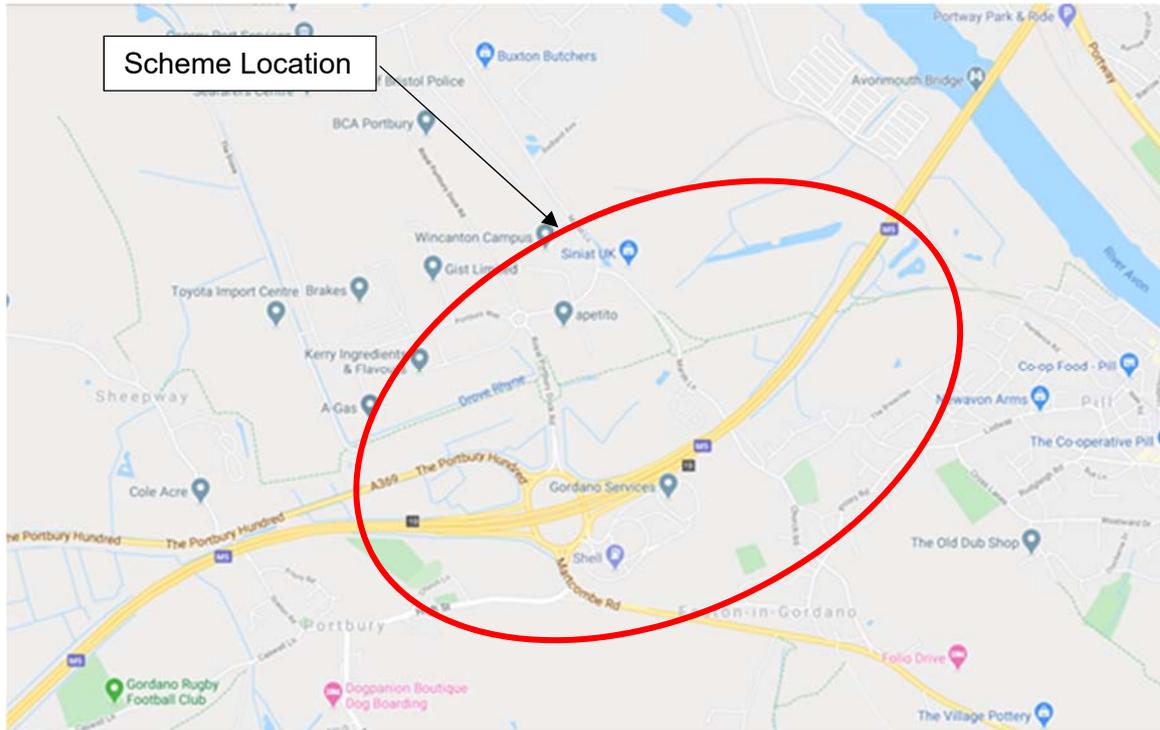


Figure 1: Location Plan

Further details can be seen on the accompanying drawings:

Drawing Number	Title	Rev.	Date
HE569906-KIER-VOL-M5_J18_J19-DR-CD-0000_01	Location Plan	C 1	March 2019
HE569906-KIER-HDG-M5_J18_J19-DR-CD-0100_04	Trial Hole Survey Location Plan	C 1	April 2020

1.1 Site boundary, extents and access arrangements

The scheme extents are shown on drawings HE569906-KIER-HDG-M5_J18_J19-DR-CD-0100_04 – Trial Hole Survey Location Plan. Access to the site will be via the M5 carriageway traffic management.

1.2 Pavement

Not used.

1.3 Drainage

The existing drainage within the scheme extent consists of pipes, manholes, catchpits, ditches and culverts. The above ground drainage consists mostly of gullies, kerb inlets and linear drainage channels.

1.4 Geotechnical

Not used.

1.5 Soft Estate and Environment

The soft estate consists of verge and pond area. The environment constraints are to be confirmed by SWDSC Environment Team.

1.6 Traffic Signs, Road Markings

Advance directional signs are mounted on gantries. The M5 within the scheme extents consists of three/four lanes and a hard-shoulder.

1.7 Lighting

There is street lighting on the verges and central reserve along the scheme extents.

1.8 Structures and Buildings

Within the scheme extents, the M5 is largely located in an agricultural area with some industrial, commercial and residential properties directly adjacent to the carriageway. A list of the highway related structures can be found in Appendix A.

1.9 Tunnels

There are no tunnels within the scheme extents.

1.10 Technology

Typical technology assets associated with traffic counting, CCTV cameras, variable speed limit signage are anticipated within the scheme extents.

1.11 Statutory Undertakers

The C2 STATS have been obtained and enclosed with this document to assist the Contractor to identify existing services using STATS and other techniques before digging.

The Contractor is responsible for ensuring a safe survey is undertaken and ensure that there is no damage to existing services. The Contractor is responsible for ensuring that any damage is reported to the Client and the owner of the asset, including suitable repairs where needed.

The existing STATS are indicated on the plans.

1.12 Traffic

The traffic count AADT for TMU Site 6448 on the M5 Northbound carriageway is 51,481 and the traffic count AADF for TMU Site 7484 on the M5 Southbound carriageway is 45,805.

Appendix A

Structure	Type	Location Ref	Str key	OSGR
Portbury Interchange North	Highway Overbridge	19/M5//145.2//	1764	MP145.2
Portbury Interchange North	Highway Overbridge	19/M5//145//	1763	MP145
Gantry (NB)	Sign/Signal Gantry	N/A	N/A	MP144.6
Marsh Lane	Highway Overbridge	M5//144.5//	1762	MP144.5
Gantry (SB)	Sign/Signal Gantry	N/A	N/A	MP144.4 +60
Gantry (NB)	Sign/Signal Gantry	N/A	N/A	MP144.3 +60
Super Span Gantry	Sign/Signal Gantry	N/A	N/A	MP144
Portbury Railway	Highway Underbridge	M5//144.00//	1761	MP144
Portbury Railway RW	Retaining Wall	19/M5//145.2//	21319	MP144