

**National Asset Delivery  
Technical Surveys and Testing**

**Site Information for  
566457 - A303 Mere MP 167.0-170.0  
Culvert Flood Hotspot  
Technical Survey  
(Topographical Survey)**

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## 1 SITE INFORMATION

### 1.1 Site boundary, extents and access arrangements

The proposed scheme (study area), as shown in Figure 1, is located on the A303 in Wiltshire to the west of Salisbury between the villages of: Zeals (West) and Burton (East) and includes both the eastbound and westbound carriageways. The total scheme extent is approximately 3.0km in length between Marker Posts: MP167.0 and MP170.0.

Ordnance Survey Grid References (OSGR) are as follows:

(E: 382410, N: 132895) (MP 167.0) to (E: 379468, N: 132390) (MP 170.0)

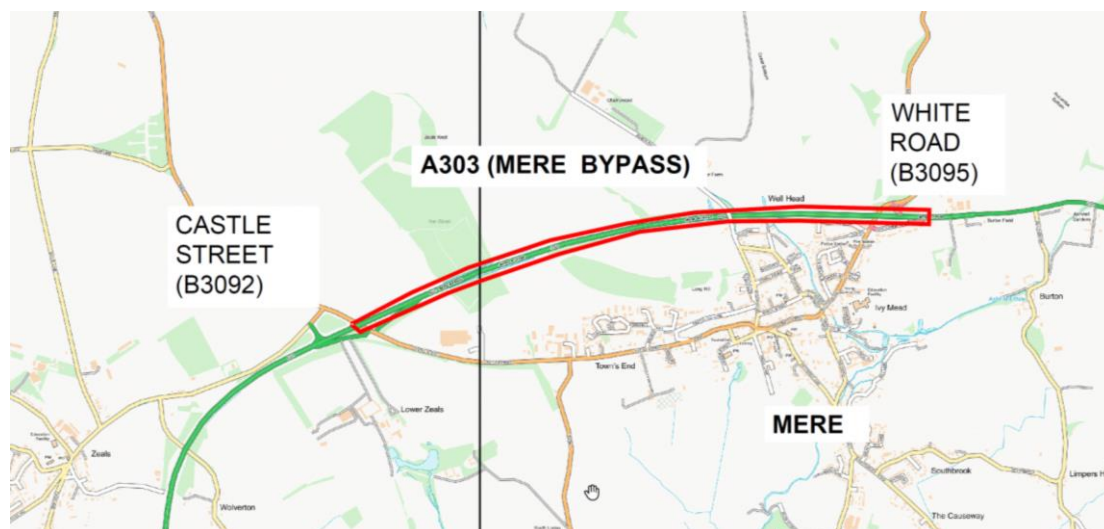


Figure 1: Location Plan

The site, as indicated in Figure 1, is on the A303 between Shaftsbury and the village of Bourton. The full extent of the scheme study area (red outline in Figure 1) is from MP167.0 to MP170.0, however the proposed topographical survey extent has only a localised outline / footprint, which has been indicated within the Topographical Survey Location Plans listed further in this paragraph.

Access to the survey area at A303 mainline level is envisaged to be from the A303 Mainline (Mere Bypass) from both carriageways (westbound and eastbound). Access to the Pond Area is envisaged to be from Manor Road located north of the Manor Road Overbridge, north of the Town of Mere. Access to Manor Road is possible from the Mere Town Centre from the crossroad / level junction with B3095 Castle Street (entrance into Manor Road located opposite to "The George Inn").

According to Land Registry information, a part of proposed extent of topographical survey (Manor Road north of the Manor Road Overbridge) falls outside of Highways England boundary. Consequently; liaison between the Survey Team and Highways England, as well as the Local Authority (Wiltshire Council) with regards to access and/or permits/permissions etc., is deemed essential.

Further details can be seen on the accompanying drawing: [Note: (SS) after drawing number/reference denotes that drawing revision has been superseded by a newer revision]

Drawing Number	Title	Rev.	Date
HE566457-KIER-VTO-A303-DR-CD-0500_12 (SS)	TOPOGRAPHICAL SURVEY LOCATION PLAN. SHEET 1 OF 1	P1	08/2019
HE566457-KIER-GEN-A303-DR-CD-0100_01 P1 (SS)	LOCATION PLAN AND EXTENT OF WORKS	P1	07/2019

Drawing Number	Title	Rev.	Date
HE566457-KIER-HGN-A303_MP167.0_170.0-DR-CD-0000_01 C1	LOCATION PLAN AND SCHEME EXTENTS SHEET 1 OF 1	C1	29/05/2020
HE566457-KIER-VTO-A303_MP167.0_170.0-DR-CD-0100_01	TOPOGRAPHICAL SURVEY LOCATION PLAN SHEET 1 OF 5	C1	29/05/2020
HE566457-KIER-VTO-A303_MP167.0_170.0-DR-CD-0100_02	TOPOGRAPHICAL SURVEY LOCATION PLAN. SHEET 2 OF 5	C1	29/05/2020
HE566457-KIER-VTO-A303_MP167.0_170.0-DR-CD-0100_03	TOPOGRAPHICAL SURVEY LOCATION PLAN. SHEET 3 OF 5	C1	29/05/2020
HE566457-KIER-VTO-A303_MP167.0_170.0-DR-CD-0100_04	TOPOGRAPHICAL SURVEY LOCATION PLAN. SHEET 4 OF 5	C1	29/05/2020
HE566457-KIER-VTO-A303_MP167.0_170.0-DR-CD-0100_05	TOPOGRAPHICAL SURVEY LOCATION PLAN. SHEET 5 OF 5	C1	29/05/2020

## 1.2 Pavement

Topographical survey will be carried out within the outline footprint indicated on Topographical Survey Location Plans referenced in paragraph 1.1. The part of pavement included within the survey footprint will be the outlined area of the A303 mainline (westbound and eastbound carriageway), a small part of paved central reserve, as well as the outlined area of Manor Road located north of the Manor Road Overbridge. The area of the Manor Road Overbridge (top of the bridge) has been excluded from the scope of the survey. No excavation works or other intrusive works are anticipated in these areas and pavements will not be affected by this survey.

## 1.3 Drainage

The existing drainage primarily consists of gullies, carrier pipes, channels, catchpits, filter drains and manholes and is mainly present in the soft verge, carriageway hard strip and central reserve. As part of the topographical survey, the line and level (cover

levels) of the existing drainage features, located within the outline/extent of the proposed survey, such as: manholes, gullies, headwalls, pond bund and associated drainage apparatus are expected to be identified and recorded. No excavation works or other intrusive works are anticipated in these areas and drainage assets / apparatus will not be affected by this survey.

#### **1.4 Geotechnical**

Topographical survey extents will include the nearside embankment / cutting slopes adjacent to A303 carriageway and Manor Road, but this survey will be non-intrusive and will have no effects on existing site (geotechnical) conditions.

#### **1.5 Soft Estate and Environment**

The extent of the topographical survey includes areas of soft estate. These are A303 mainline verges, soft central reserve, soft verges alongside Manor Road and pond with surrounding soft area.

No excavation works or other intrusive works are anticipated in these areas and the existing soft estate areas will not be affected by this survey.

Vegetation clearance works are required to be undertaken under supervision of an ecologist prior to topographical survey to allow access to the working areas within the extent of proposed topographical survey. The extent of vegetation clearance works has been shown on drawings: HE566457-KIER-HSC-A303\_MP167.0\_170.0-DR-CD-0200\_01-05 C1. These drawings are superseding previously issued revision P1 drawings.

#### **1.6 Traffic Signs and Road Markings**

A very small number of existing traffic signs was identified within the footprint of proposed topographical survey works, most notably in the verge of Manor Road north of the Manor Road Overbridge. These should not be affected by the proposed works.

Existing road markings are present on the surface of Manor Road and both westbound and eastbound carriageways of the A303 Mainline. Similarly, to signs, road markings should not be affected by this survey.

#### **1.7 Road Lighting**

No road lighting is present within the extents of topographical survey works.

## **1.8 Structures and Buildings (including Vehicle Restraint Systems – VRS)**

There are residential and farm buildings in vicinity of the survey works area, which include: buildings located directly behind close-boarded fencing / highways boundary on the westbound section of the A303 mainline downstream of the Manor Road Overbridge. The nearest residential buildings located off Manor Road, however these are located more than 100m from the edge of the proposed footprint of this survey.

Manor Road Overbridge (Structure Key: 6220, Critical Headroom: 6.18m, MP168.3) is located within the outline of proposed works, with the top of this bridge area being excluded from the survey requirement, as outlined on the Survey Location Plan (Dwg: HE566457-KIER-VTO-A303\_MP167.0\_170.0-DR-CD-0100\_03 C1). The area located at the level of A303 mainline directly under the overbridge is included in the scope of the topographical survey works.

No other structures or buildings are located within or in close vicinity to the footprint of proposed topographical survey works.

Since this survey is non-intrusive, it is not envisaged that the survey works will affect the adjacent buildings and structures.

In addition to buildings and structures, Vehicle Restraint Systems (VRS) are present within the scheme limits and are located in the existing mainline verges and in the central reserve. Due to non-intrusive nature of this survey, the existing VRS should not be affected by the proposed survey works.

## **1.9 Tunnels – Not used**

## **1.10 Technology**

Existing CCTV / traffic monitoring cameras and cabinets have been identified within the extents of proposed works. It is not envisaged that the technology infrastructure will be affected by these non-intrusive works; however precautionary measures outlined in paragraph 1.11 need to be adhered to.

## **1.11 Statutory Undertakers**

The Existing C2 Statutory Undertakers' / Utilities' Apparatus (STATS) Plans have been obtained from the "PROVE IT" data base for all intrusive and non-intrusive works and will be enclosed as part of the entire Survey Information Pack (SIP) for this scheme.

No excavation works or other intrusive works are anticipated within the footprint of proposed topographical survey works.

For works proposed in the vicinity of all utilities' apparatus, the Contractor/Consultant/Surveyor shall obtain all necessary permits / permissions prior to commencing works, where necessary.

The Contractor/Consultant/Surveyor shall take reasonable care whilst undertaking site works to ensure that the adjacent existing infrastructure including, but not limited to: technology assets (loops, CCTV masts, power / communication cabinets etc.), drainage apparatus and structures, is not damaged or altered by proposed works.

The Contractor/Consultant/Surveyor is also responsible for ensuring that any damages are reported to the Client and the owner of the asset, including suitable repairs if/where required.

Due to non-intrusive nature of this survey, existing STATS have not been indicated on Topographical Survey Location Plans, however the complete and updated C2 STATS Package has been compiled for all intrusive and non-intrusive works and will be enclosed as part of the entire Survey Information Pack (SIP) for this scheme.

### **1.12 Traffic**

The Average Annual Daily Traffic (AADT) 2018 for A303 Eastbound is 9240 with 13.9% made up of commercial vehicles and for the Westbound 11005 with 12.5% of commercial vehicles.

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DO NOT COMPLETE AT THIS STAGE