

**National Asset Delivery
Technical Surveys and Testing**

**Site Information for
570124 A38 Tideford GPR survey**

1 SITE INFORMATION

1.1 Site boundary, extents and access arrangements

This scheme is on a single carriageway section of the A38 and starts to the west of Tideford at Marker Post (MP 31.8). It continues for approximately 1.2km through the village of Tideford to MP33/0, as shown in Figure 1 (below).

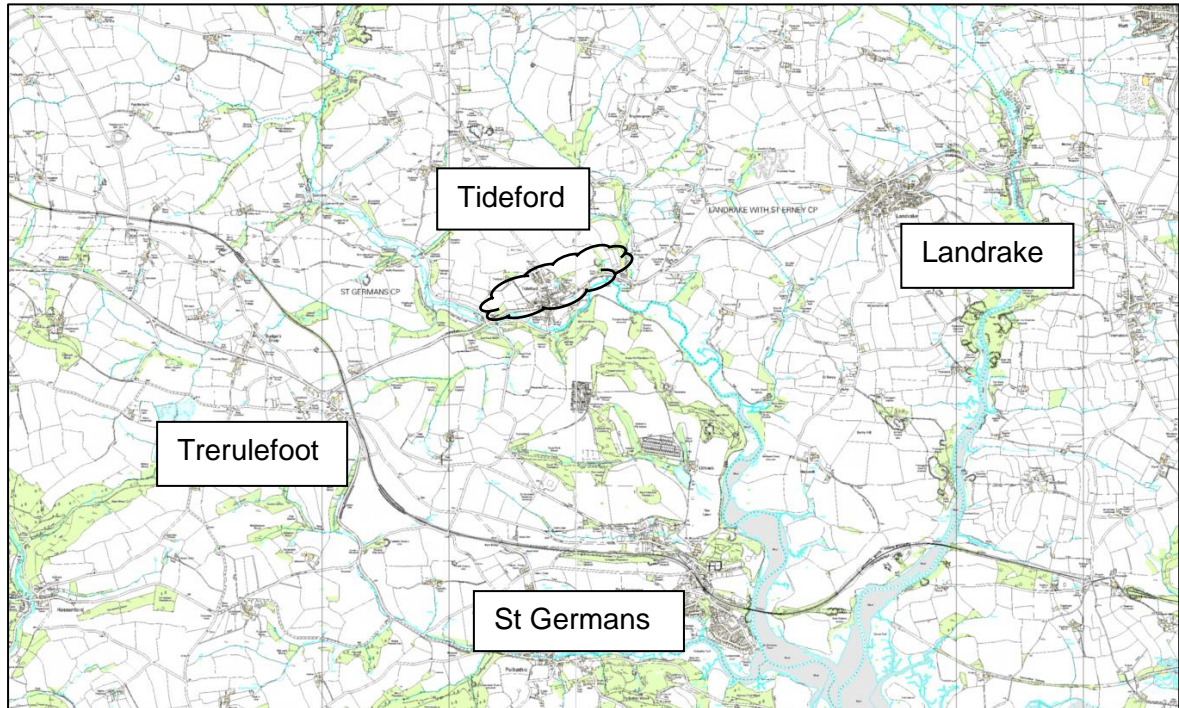


Figure 1: Location Plan

Grid Ref: SX34805 59718

Further details can be seen on the accompanying details:

Table 1: Drawing List

Drawing Number	Title	Rev.
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0100	Survey Location Plan	C1
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0117	GPR Survey Plan, Sheet 1 of 4	C1
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0118	GPR Survey Plan, Sheet 2 of 4	C1
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0119	GPR Survey Plan, Sheet 3 of 4	C1
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0120	GPR Survey Plan, Sheet 4 of 4	C1

1.2 GPR

GPR at the Bridge Road / Church Road intersection has been specified to minimise the disruption, there are a number of properties within close proximity to the survey area (<3m) including both residential and commercial therefore particular attention should be given to noise sensitivity.

1.3 Pavement

No excavation is anticipated in these areas.

1.4 Drainage

CCTV drainage surveys have been undertaken for the site. Drainage primarily consists of gullies, carrier pipes, channels, catchpits, filter drains and manholes within the soft verge, hard shoulder and central reserve.

1.5 Geotechnical - Not used

1.6 Soft Estate and Environment

No works are anticipated to be undertaken within the soft estate.

1.7 Traffic Signs, Road Markings

There is a lot of street furniture within the scheme extents typical of a village environment (primarily road signs).

1.8 Lighting

The A38 in this location has street lighting throughout the village, however no additional lighting is present outside of this extent.

1.9 Structures and Buildings

The scheme passes through the village of Tideford. In addition, the following structures have been identified on HA DDMS.

Table 2: Structure List (Source: HA DDMS, February 2021)

Structure	Type	Structure ID	Marker Post	OS Grid Reference
Heskyn River	Large Culvert	6401	MP31/8	234269, 59551
Heskyn Road	Highway Underbridge	6402	MP31/8	234309, 59571
Tideford R/W	Retaining Wall	12223	MP32/1	234622, 59622
Kilna Quay R/W	Retaining Wall	12224	MP32/8	235201, 59948

1.10 Tunnels - Not applicable

1.11 Technology

No technology assets are anticipated to be within the survey extents. However, if technology assets are observed, these should be surveyed.

1.12 Statutory Undertakers

New (in date) C2 stats returns should be sought prior to undertaking works. Before digging, Contractor is to satisfy themselves of the location of buried services. The Contractor is responsible for ensuring a safe survey is undertaken and ensuring no damage to existing services. The Contractor is also responsible for ensuring any damage is reported to the Client and the owner of the asset, including suitable repairs where needed.

For approximate location of existing services please refer to the scheme drawings outlined in 1 (Above)

Please note that overhead power cables as well as underground; medium pressure gas mains, water mains, power and telecoms services run across the site. Safe working heights and underground depths have not been indicated and should be considered in accordance with the method of works adopted.

Traffic

Traffic count information for the A38 and Tideford has been obtained from the Department for Transport. In 2019, Count Point 16386 situated east of Notter (Shown in Figure 4, overleaf) states an Average Annual Daily Traffic (AADT) of 21,775 vehicles use the A38 at the location, of which 1017 were HGV's (%HGV = 4.7%). Using the AADT this equates to 7,947,875 road users per year.

Count Point 806096 is situated in the centre of Tideford, on minor road Tideford Cross Lane (Shown in Figure 4, below). A manual count took place in 2018 which states an AADT of 788, of which 6 were HGV's (%HGV = 0.8%). Using the AADT this equates to 287,620 road users per year.

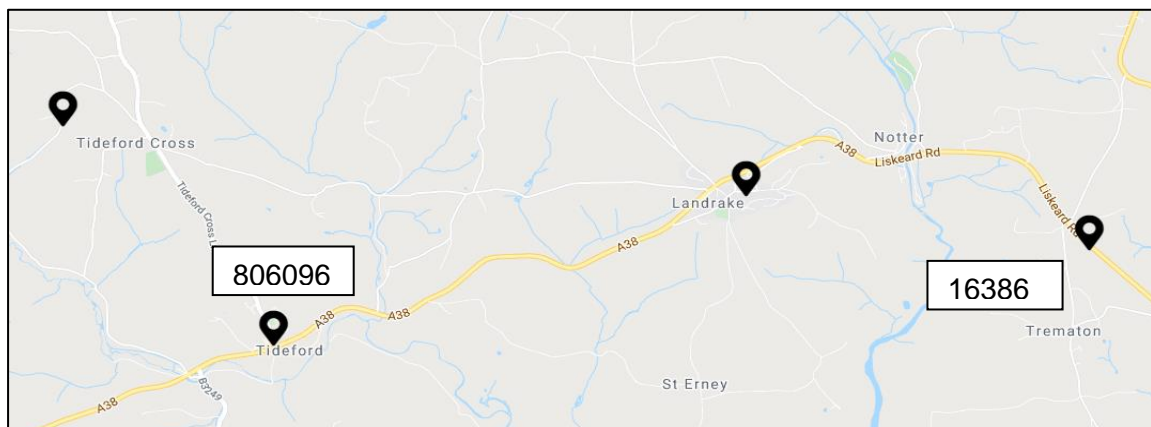


Figure 2: Traffic Count Point Locations (Source: Department for Transport, November 2020)