

**Kier Highways Project No: 5701240**  
**Client Reference No: 5701240**  
**A38 Tideford BD Drainage Renewal**  
**Surveys Pre-Construction Information**

	Yes	No
Is the Scheme notifiable under the CDM Regulations 2015?		
1. Last longer than 30 working days and have more than 20 workers simultaneously at any point in the project;		X
2. Exceed 500 person days		X

**Project type as categorised by GG104** (if applicable to contract / delete in not required) **A**

This document has been produced in accordance with the recommendations and requirements of the Construction (Design and Management) Regulations 2015.

	Name	Signed	Date
Prepared by Designer			
Reviewed by Design Team Lead			
Accepted by Scheme PD			

'Reviewed by' & 'Accepted by' can be the same person for GG104 type A projects (where the Design Team Lead is the Scheme PD)

Site Specific Hazards Identified in Design		
<b><i>ONLY include significant and unusual hazards that a competent contractor would need to know, could not reasonably foresee, or are likely to be difficult to manage effectively.</i></b>		
Activity	Residual Hazard	Comments
Occupied Premises	Members of public entering works area	Appropriate signage and barriers to segregate work areas whilst maintaining access to occupied premises.

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**1 Project Description****Scope of Works**

A series of surveys are to be undertaken throughout the scheme extents where shown on the survey drawings. These surveys will provide information to aid an accurate drainage design.

See a list of survey drawings in Appendix A.

**Location**

This scheme is on a single carriageway section of the A38 and starts to the west of Tideford at Marker Post (MP31/8). It continues for approximately 1.2km through the village of Tideford to MP33/0, as shown in Figure 1 (below).

Grid Ref: SX34805 59718

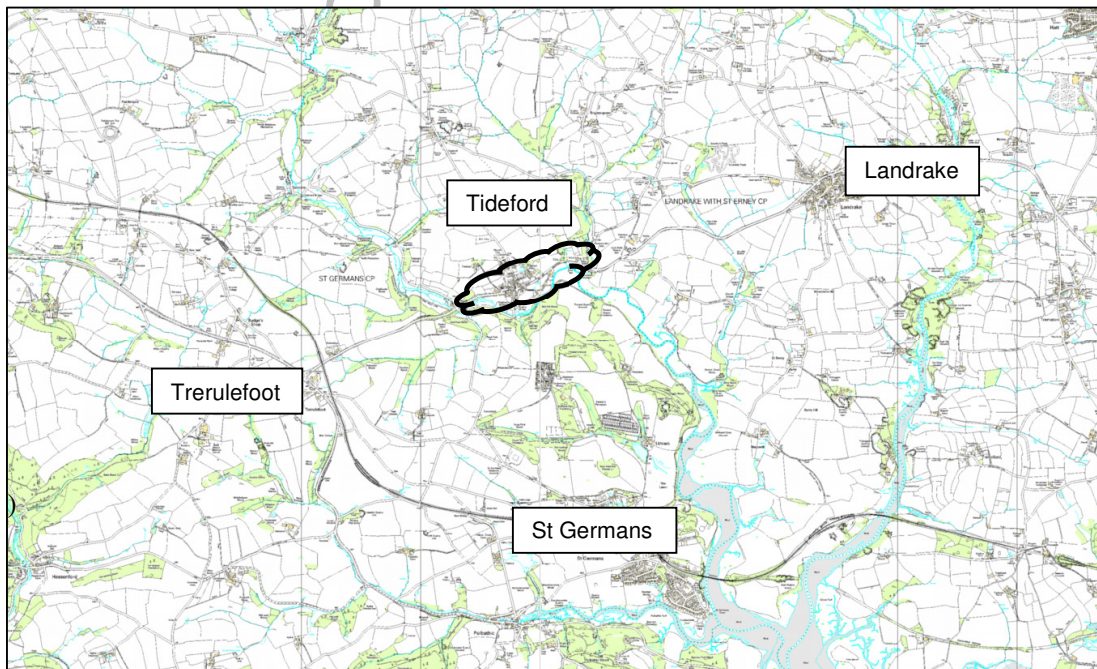


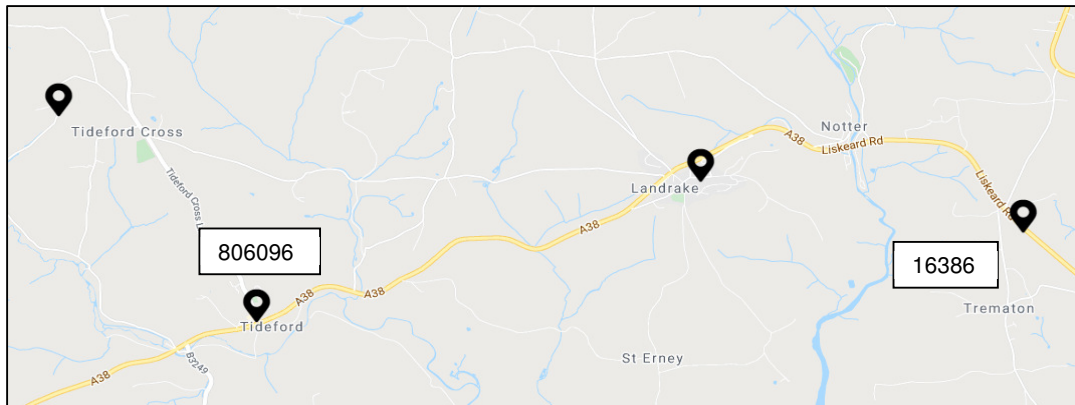
Figure 1: Location Plan

Site Address	Tideford, Saltash, PL12 5HN			
MP and OSGR	From	MP31/8 (234306, 59570)	To	MP33/0 (235419, 59911)
Structures	6401	Heskyn River (Large Culvert)		
	6402	Heskyn Road (Highway Underbridge)		
	12223	Tideford R/W (Retaining Wall)		
	12224	Kilna Quay R/W (Retaining Wall)		
Traffic Management				
Highways England Scheme Project Manager (SPM) to confirm traffic management, if any required.				

## 1 Project Description

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 below) 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 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.



Speed limit varies throughout the scheme and is clearly demarcated by road signage/ markings. Throughout the village the speed limit is 40mph, with either end of the village 50mph.

There are three bus routes throughout the scheme extents. Bus numbers 11 (Plymouth City Centre to Bodmin), 71 (Derriford to Polperro) and 72 (Plymouth City Centre to Liskeard). The bus stops are located at MP32/4.

The Principal Contractor shall ensure that emergency procedure plans are in place and all staff have been inducted.

Recovery vehicles will not be required for these works.

Anticipated Working Hours, subject to Traffic Counts			Topographic survey to be agreed with 3 <sup>rd</sup> Party Landowner, all other surveys; Night-time works, 19:00 – 06:00		
<b>Mobilisation Period</b>	4 weeks	Anticipated Start Date	TBC	Anticipated End Date	TBC



3. Scheme Specific Requirements			
	Yes	No	Comments
A pre-start meeting will be mandatory			
Does an H&S file exist?		✓	No H&S file has been made available by the Client.
Site Welfare	✓		Site Welfare will be provided by the Principal Contractor.
Is the site to be fenced off?	✓		Traffic Management and the Highway Boundary is adequate to demark the site extents. Localised signage and barriers to segregate works maybe required as access to property will need to be maintained.
Are there any restrictions on vehicle movements?	✓		All site vehicles (incl. delivery vehicles) must abide by the TM requirements and regulations 1. enter and exit site from the dedicated points; 2. Comply with the designated site safety speed limits; All vehicles within Traffic Management shall comply with the conspicuity requirements of Chapter 8.
Are there any restrictions on deliveries, waste collection, or storage?	✓		No deliveries to take place unless Traffic Management is in place. No waste shall be stored on site. Waste Carriers Licence required
Are there any parking restrictions?	✓		All vehicles and plant within the works area shall be parked in a safe area clear of access and egress points. All vehicles and plant shall be removed from the carriageway prior to removal of traffic management. Only Private vehicles of residents within the works area are allowed on site
Height Restrictions (Structures & OH Cables)	✓		Have overhead cables been identified on site? YES. If YES please complete Overhead Cable Form and attach in Appendix C. Are there any overhead structures No Safe system of works to be put in place to prevent contact with overhead cables.
Will fire precautions be required?		✓	Suitable fire precautions shall be in place and in accordance with the Contractors hot works permit.
Are emergency procedures and means of escape required?	✓		The Contractor shall ensure that emergency procedure plans are in place and all staff have been inducted. One lane will remain serviceable throughout the works duration for emergency services at all times. Nearest A&E hospital Derriford Hospital, Derriford Rd, Plymouth PL6 8DH. The A&E is open 24 hours.
Are there any areas in or around the site classified as no-go areas?	✓		No site personnel shall enter the safety zones or tapers within the extents of the traffic management unless trained and competent for installation/removal/maintenance of TM. Provision of minimum 20m Pedestrian worker Exclusion zone, behind and in front of Operating Road Sweeper to be in place. Sub-Contractor's Method Statements and Risk Statements shall contain suitable risk control to protect pedestrian workers and plant operators.

3. Scheme Specific Requirements			
	Yes	No	Comments
Are there any noise restrictions?	✓		<i>Any works creating noise shall be completed before 23:00hr where possible. 19:30-23:00 The greater of either 55dB or the ambient noise +5dB. 23:00-06:00 The greater of either 45dB or the ambient noise +5dB.</i>
Are temporary works required?		✓	<i>None identified within survey works.</i>
Are there any vibration restrictions?	✓		<i>The Contractor shall comply with BS 6427:2008 Evaluations of human Exposure to Vibration in Buildings (1Hz-80Hz). Any vibration monitoring carried out shall also follow BS 6427: 2008.</i>
Are there any poor or hazardous ground conditions		✓	<i>None identified within survey works.</i>
Are there any unstable structures?		✓	<i>None identified within survey works.</i>
Are there any areas classed (existing or designed) classed as confined spaces?	✓		<i>Chambers and trial pits will be considered a confined space if entered.</i>
Are there any smoking restrictions?	✓		<i>No smoking is allowed on site. Designated smoking areas to be confirmed during site inductions.</i>

## Materials and Substances with Health and/or Safety Hazards

### Asbestos

*Under no circumstances will the Contractor attempt to remove any Asbestos Containing Materials other than that required for sampling purposes without prior consent from the overseeing organisation. The contractor will have suitable safe systems of work to ensure that any risks posed by sampling potential Asbestos Containing Materials (ACMs) is managed in line with current regulations.*

### Leptospirosis/Weil's disease / Psittacosis

*Contact with highway drainage during the survey will carry a potential risk of Weil's disease. The Contractor is to ensure sufficient welfare facilities are in place at all times. All appropriate PPE must be worn at all times and a toolbox talk given to highlight the risks.*

*Any instances of illness / sickness on site should be reported to the Site Manager/Principal Contractor Representative immediately and the persons affected should seek medical advice.*

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As part of our system review, this document is valid until April 2021		





4. Existing Services					Refer to STATS plans listed in Appendix B
Statutory Undertaker	Not Present	Over head	Under ground	Comments	
<b>Electricity</b>					
400/132kV [pylons]	X			LV Overground, Low voltage Unknown and Other Unknown electric cables present within the works area. Refer to Statutory Undertakers Plans for more details.	
66kV	X				
33kV	X				
11kV	X				
240/415Volts	X				
Low Voltage		X	X		
Other/ Unknown		X	X		
<b>Water (Foul and Potable)</b>					
Public Foul			X	Public Foul and Water Mains present.	
Pressurised Foul	X				
Public Combined Gravity	X				
Pressurised Combined	X				
Culverted Watercourse	X				
Water Main			X		
Aqueduct	X				
<b>Communications</b>					
Communications	X				
<b>British Telecom</b>					
British Telecom			X	Underground cables present adjacent to scheme extents. Refer to Statutory Undertakers Plans for more details.	
Virgin Media			X		
Vodafone			X		
<b>National Grid</b>					
National Grid	X				
<b>Transco</b>					
LP Mains	X				
MP Mains	X				
IP Mains	X				
LHP Mains	X				
NHP Mains	X				
<b>Government Pipelines</b>					
Government Pipelines	X				
<b>Fisher German Pipelines</b>					
Fisher German Pipelines	X				
<b>Energis</b>					
Energis	X				
<b>Motorway Communication</b>					
Motorway Comms	X				
<b>Street Lighting</b>					
Street lighting	X				
<b>Highway Authority</b>					
Traffic Loops	X				
<b>Highway Drainage</b>					
Culvert			X	Highway pipework and ironwork within works area.	
Filter Drain	X				
Carrier Pipe			X		
Catchpit/ Manholes			X		
Gully			X		
Outfalls			X		
<b>Other</b>					

4. Existing Services		Refer to STATS plans listed in Appendix B		
Comms Cabinet Other	X			

#### 5. Health and Safety file requirements

All information will be produced in an electronic format. The format of the electronic data issued is to be as follows: All documents and product data sheets are to be in PDF format, drawings are to be in PDF and AutoCAD DWG format.

There is no requirement for a Health and Safety File subsequent to these works.

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## Appendix A – Survey Drawings

See a list of current scheme drawings below;

Reference	Rev	Title
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0100	C1	Scheme Location Plan
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0101	C1	Asbestos Survey Plan, Sheet 1 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0102	C1	Asbestos Survey Plan, Sheet 2 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0103	C1	Asbestos Survey Plan, Sheet 3 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0104	C1	Asbestos Survey Plan, Sheet 4 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0109	C1	Trial Hole Survey Plan, Sheet 1 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0110	C1	Trial Hole Survey Plan, Sheet 2 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0111	C1	Trial Hole Survey Plan, Sheet 3 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0112	C1	Trial Hole Survey Plan, Sheet 4 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0113	C1	Topographic Survey Plan, Sheet 1 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0114	C1	Topographic Survey Plan, Sheet 2 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0115	C1	Topographic Survey Plan, Sheet 3 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0116	C1	Topographic Survey Plan, Sheet 4 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0117	C1	GPR Survey Plan, Sheet 1 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0118	C1	GPR Survey Plan, Sheet 2 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0119	C1	GPR Survey Plan, Sheet 3 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0120	C1	GPR Survey Plan, Sheet 4 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0121	C1	Core Survey Plan, Sheet 1 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0122	C1	Core Survey Plan, Sheet 2 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0123	C1	Core Survey Plan, Sheet 3 of 4
HE570124O-KIER-VTO-A38MP31.8-DR-CD-0124	C1	Core Survey Plan, Sheet 4 of 4

## Appendix B – Constraints & Statutory Undertaker Drawings

Statutory Undertakers shown on survey drawings listed above.

## Appendix C – Overhead cables

GS6 Measurements should be taken as part of the survey.

Low voltage Unknown and Other Unknown over ground electric cables present within the works area. The over ground cables have been identified on the STATS, information regarding safe working heights in accordance with GS6 has been provided by Highways England (16/04/19) all information contained in Table 1 is to be verified on site and should in no way be considered a comprehensive list. Prior to the commencement of works on site, over ground power line locations and heights to be confirmed and recorded by way of signature and date by a trained and competent person.



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## Business Stream Form

## Highways

## Designers Pre-Construction Information

W/B Cable No	GPS	MP No	Post Type	Ht.	Type	Voltage	Min 20m between poles	Ht.	Post Type	MP No	GPS	E/B Cable No
80	SX 35303	32/9 - 25.4	S	5.30	LV	240	14	7.23	S	32/8 + 77	SX 35309	*
	59946		S						S		59951	
81	SX 35160	32/8 - 73.6	S	8.65	HV	11KV	N/A	9.39	S	32/7 + 31.6	SX 35158	
	59929		S						S		59946	
82	SX 35033	32/7 - 34	S	8.48	BT	0	N/A	8.55	S	32/5 + 60	SX 35023	
	59851		S						S		59843	
83	SX 34823	32/4 - 79.4	S	7.92	BT	0	N/A	6.30	S	32/3 + 15.5	SX 34800	
	59731		S						S		59733	
84	SX 34690	32/2 - 20.7	S	5.40	BT	0	N/A	7.93	S	32/1 + 75.5	SX 34683	
	59694		S						S		59704	

Table1. Overhead Cable Information from HE (16/04/19)