

**National Asset Delivery  
Technical Surveys and Testing**

**Site Information for 570124 Area SW  
Drainage CCTV surveys**

## **1 SITE INFORMATION**

### **1.1 Site boundary, extents and access arrangements**

Five different locations are included within this schedule of works as detailed below.

#### Cornwall:

- 1) A30 Goss Moor – Eastbound Nearside – MP 78.5 to MP 79.4
- 2) A30 Cockwells Lane – Both Directions Nearside – MP 25.9 to MP 26.3
- 3) A38 Tideford – Both Directions Nearside – MP 31.8 to MP 33.0
- 4) A30 Polyphant – Westbound Near and Offside – MP 122.6 to MP 124.3

#### Devon:

- 5) A30 Alphin Brook – Westbound Nearside – MP 189.6 to MP 190.7

Further details on each specific location are available in the following documents and plan drawings which are available within the tender documents;

- Mar2020 HADDMS CCTV A1 Schedule of Sites (570124).pdf
- Mar2020 HADDMS CCTV A1 Schedule – Works Extents.pdf

The sites will only be accessible with suitable traffic management to be provided by the employer. This is anticipated to involve a mixture of traffic lights and static lane closures.

### **1.2 Pavement**

Each site's carriageway layout is detailed below;

- 1) A30 Goss Moor – Dual carriageway
- 2) A30 Cockwells Lane – Single carriageway
- 3) A38 Tideford – Single carriageway
- 4) A30 Polyphant – Dual carriageway
- 5) A30 Alphin Brook – Dual carriageway

### **1.3 Drainage**

All known drainage details are available on the HADDMS database. Catchments must be requested from the Area 1 Drainage Liaison Engineer – Chris Peirce (Christopher.peirce@highwaysengland.co.uk) as part of the round-tripping process.

General drainage descriptions for each site are as below;

- 1) A30 Goss Moor (Area1 A30 Catchment 1227):

A combination of filter drains and back of plot ditches. There is repeat flooding from a suspected drainage issue around MP79.0.

2) A30 Cockwells Lane (Area1 A30 Catchment 1510):

Roadside gullies and an un-identified carrier line and outfall. Customer complaints point to a gully / mainline issue E/B at 25.9+50 which crosses the carriageway to an unidentified W/B outlet. There is also an un-identified inlet within Cockwells lane.

3) A38 Tideford (Area1 A38 Catchments 1260 & 1408):

Historic village assets mean a mix of chamber, gully and pipework types are present. Lots of un-identified inventory in centre of village. Outfall at W/B MP 32.6+50, gully at bottom of walkway at W/B MP32.1+50 causes issues. The E/B side at MP31.9 has suspected assets behind the verge as the road alignment used to head in a different direction until the late 1960's.

4) A30 Polyphant (Area1 A30 Catchment 1373):

Combination of filter drains and gullies to ditch outlets. Large central reserve section contains drainage assets. Road junctions with assets on the offside at MP123.0 and offside and nearside at MP123.4 as well as a large amenity area junction at MP122.6.

5) A30 Alphin Brook (Area1 A30 Catchment 1471):

Combination of filter drain and carrier pipework, 7-8 ditch inlets within this stretch from back of plot ditches that cause flooding issues to the embankments and carriageway.

#### **1.4 Soft Estate and Environment**

Most verges within the schedule extents are grass of varying widths, with some vegetated stone hedging also present.

Where possible vegetation clearance will be undertaken to support access to the works area verges, if not possible then previous cyclic swathe cuts should provide sufficient access to main works areas. Any access concerns relating to vegetation during the surveys should be raised to the Highways England PM or survey manager.

Outfall within A38 Tideford site (MP32.6+50 westbound) is within corner of adjacent field and often buried. Works will be instructed ahead of survey to ensure clear.

#### **1.5 Traffic Signs, Road Markings**

Traffic signs are located throughout all five sites extents on both EB & WB verges. Signage includes small signs, ADS signs and VMS.

There is a bus shelter at A30 WB MP 26.1 (A30 Cockwells Lane site).



## 1.6 Lighting

Street lighting is present within the A38 Tideford site extent, and at the western end of the A30 Polyphant site (MP123.0 to 122.6) only.

## 1.7 Structures and Buildings

Below is the list of Highways England designated structures within the schedule extents.

Structure	Type	Location Ref	Str key	OSGR
Bakers Hill	Underbridge	A30 - MP 190.7	9606	289370,91378
Alphin Brook Culvert	Culvert	A30 - MP 189.6+20	32046	289455,91178
Inny	Underbridge	A30 – MP 122.6+20	9632	227047,81755
Royalton Underpass	Underbridge	A30 – MP 79.2+80	26316	194710,61195
Kilna Quay R/W	Retaining Wall	A38 – MP 32.7+80	12224	235200,59950
Tideford R/W	Retaining Wall	A38 – MP 32.1	12223	234165,59660

Residential properties are also in close proximity to the following sites;

- A38 Tideford – 20+ properties along extent.
- A30 Cockwells Lane – Approximately 10 properties along extent.
- A30 Polyphant - Single property at MP122.8.

## 1.8 Statutory Undertakers

Not expected to be encountered within scope of works, further detail listed in PCI/DHC within tender documents.

## 1.9 Traffic

Annual average daily traffic flows for the sites are listed below (2018);

- 1) A30 Goss Moor – 17,383 ADT, with HGV content >6.6m of 9.5%
- 2) A30 Cockwells Lane – 10,830 ADT, with HGV content >6.6m of 4.9%
- 3) A38 Tideford – 12,340 ADT, with HGV content >6.6m of 6.7%
- 4) A30 Polyphant – 11,930 ADT, with HGV content >6.6m of 11.2%
- 5) A30 Alphin Brook – 17,810 ADT, with HGV content >6.6m of 10.1%