

**National Asset Delivery  
Technical Surveys and Testing**

**Site Information for 570127 A303  
Cheshay's Hill WB MP224.0 Geo  
Ground Investigation**

## 1 SITE INFORMATION

### 1.1 Site boundary, extents and access arrangements

The site is located at OSGR 333585, 154929 and comprises a 400m long section of the cutting adjacent to the westbound A303 at MP224.0 as shown on Figure 1 below.

Figure 1 Site Location Plan

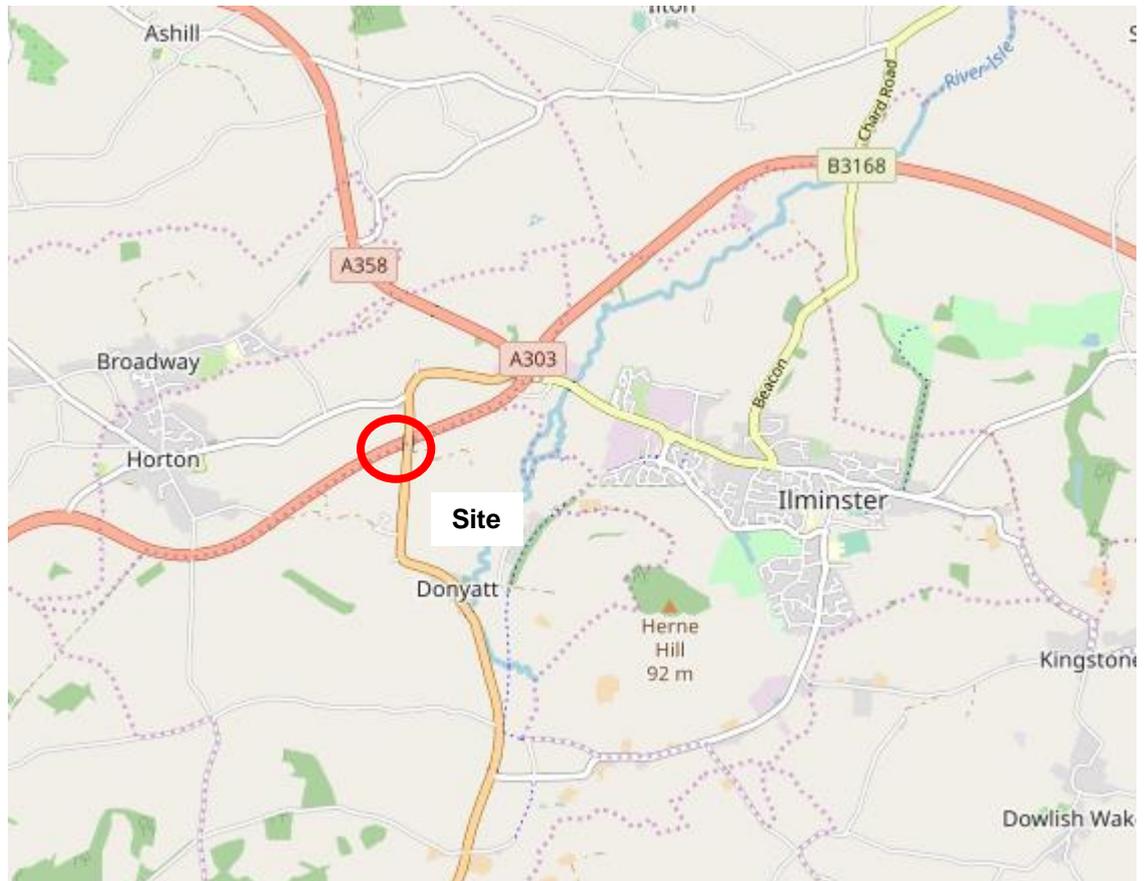




Plate 1 – Looking east -showing westbound cut slope on right hand side of photograph

## 1.2 Pavement

The pavement comprises a hot rolled asphalt surface course. .

## 1.3 Drainage

The drainage comprises:

- i. An unlined ditch at the crest of the cut slope
- ii. Counterfort slope drains on the upper batter which connect to a filter drain on the berm, and
- iii. Isolated counterforts on the lower batter which connect to the filter drain at the toe.

## 1.4 Geotechnical

The cutting has been constructed at 1:2.5 (v:h) with an overall height of approximately 11.5m. The upper third of the cutting is separated from the bottom 2/3 by a 4m wide berm which runs the full length of the cut.

Slope failures have occurred in the lower part of the cutting; one immediately to the west of the overbridge which has been repaired and one which is visible and awaiting repair approximately 120m west of the overbridge. The latter is to be investigated as part of this survey by trial pits CHT01 and CHT02.

The geology of the site is shown on BGS Geology of Britain viewer as Head over the Belemnite Marl Member. More information on the geology is

provided in the Preliminary Sources Study Report for the site which is available on request.

### 1.5 Soft Estate and Environment

The soft estate comprises a mix of grassland and wood as shown on Plates 1 and 2. The works will be limited to areas of long grassland.

The woodland, hedgeline and bramble on site have been identified as being suitable for dormice and bird nesting and ecological constraints are applicable to the site.



Plate 2 – soft estate

### 1.6 Traffic Signs, Road Markings

A triangular warning sign (road narrows on right) is present in the vicinity of the second area (trial pits CHT03 to 05) which is to be investigated.

An edge line is present.

### 1.7 Lighting

There is no street or sign lighting present.

### 1.8 Structures and Buildings

Cheshay's Hill Overbridge, Structure number 18059, is located at the eastern end of the site but the scope of works does not involve any work to the structure.

## 1.9 Tunnels

There are no tunnels present.

## 1.10 Technology

There is no technology apparatus present.

## 1.11 Statutory Undertakers

C2 returns and drawings showing the location of the statutory undertaker's plant are provided as part of the technical survey package and reference should be made to these. The contractor shall contact the procurement lead if these have not been provided.

In summary, BT, water and electricity are all present but the scope of the works will not involve any interface with the assets.

## 1.12 Traffic

The A303 carriageway comprises a three lane section of carriageway with two lanes open to the westbound traffic and a single lane to the eastbound but eastbound traffic is allowed to overtake.

Traffic flows were obtained from <http://webtris.highwaysengland.co.uk/> for the year from January 2018.

Month	24hr			
	ADT	%>6.6m	AWT	%>6.6m
Jan	5698	9.5	5960	10.8
Feb	6271	9.8	6402	12.2
Mar	5486	10.4	5846	12.3
Apr	7416	8.6	7522	10.5
May	7660	9.3	7906	10.7
Jun	8325	9.0	8023	10.9
Jul	8589	9.2	8312	11.1
Aug	9716	8.6	9703	9.9
Sep	8196	9.0	7828	11.4
Oct	7431	9.1	7410	11.1
Nov	6661	9.3	6775	11.3
Dec	6261	7.4	6319	9.3
<b>Avg</b>	7309	9.1	7333	11.0