

**National Asset Delivery  
Technical Surveys and Testing**

**Site Information for  
605789 - Area 14 Cathodic Protection  
Structures Monitoring 2020-21**

## 1 SITE INFORMATION

### 1.1 Site boundary, extents and access arrangements

There are four bridges in total with cathodic protection systems that require Performance Monitoring and System Reviews. Two of these bridges are located within the same approximate location (the same interchange) and will be referred to as one site.

The 3 sites are:

1. Shilbottle Underpass, located at OS Grid Reference - 419580, 611800. The structure carries the A1 dual carriageway over the A1068 single carriageway slip road South East of Alnwick.
2. Middle Engine Lane, located at OS Grid Reference - 431856, 568801. The structure carries the A19 over a Local Access Road (Middle Engine Lane) north of the River Tyne.
3. Whitemare Pool Interchange, with two structures:
  - a. Whitemare Pool (West), located at OS Grid Reference - 431100, 561361
  - b. Whitemare Pool (East), located at OS Grid Reference - 431181, 561339

The two structures carry the A184 over the grade separated roundabout at a junction with the A194(M).

Locations Plans are provided in Appendix A.

### 1.2 Technology

It is believed access to cabinets for testing of cathodic protection systems is achievable from footpaths.

### 1.3 Statutory Undertakers

The works should not expose or affect any utilities.

### 1.4 Traffic

Live traffic will be present at all sites. It is assumed all testing can be done safely from the local footpaths under the structures. The contractor is to assess the risk at each individual site and provide safe method of working in their Risk Assessment and Method Statement for the works.

### Appendix A – Locations Plans



Figure 1: Shilbottle Underpass Location Plan



Figure 2: Middle Engine Lane - Location Plan

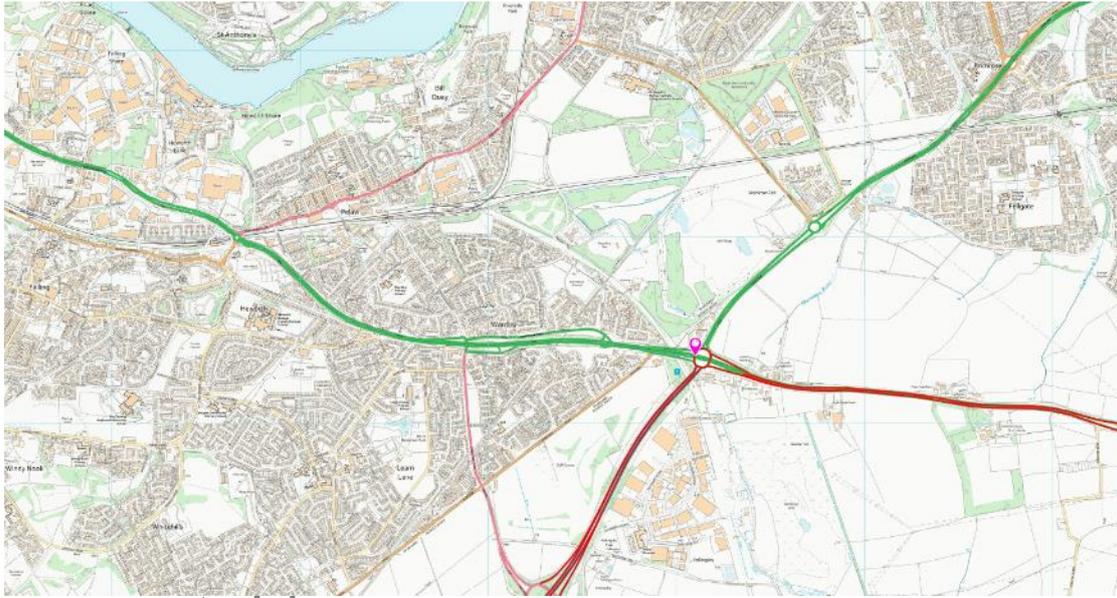


Figure 3: Whitmore Road Interchange - Location Plan

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DO NOT COMPLETE AT THIS STAGE