

**National Asset Delivery  
Technical Surveys and Testing**

**Site Information for**

**609248-D3**

**AD14 Drainage Surveys, Phase 3**

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## 1 SITE INFORMATION

All surveys are accessed adjacent to the general carriageway under Traffic management closures.

### 1.1 Site boundary, extents and access arrangements

The surveys are located upon the Highways England Area 14 network, refer to Appendix A for the individual Location Plans inclusive of Overheads.

The 7 sites are listed below:

<b>1.1.1 A66 Scotch Corner Holiday Inn Flooding</b>	
Survey required to identify recent flooding at the front of the Holiday inn situated near Scotch Corner located at the entry of hotel. Condition needs to be collected aswell as chasing the outfall which seems to be on local authority.	
<b>Chart Sections</b>	2700A1/908, 2700A66/200 and local authority road (A6108).
<b>OSGR Co-ordinates</b>	E:421196, N:505275 to E:421486, N:504693
<b>Length of Scheme</b>	1500m
<b>Traffic Flow</b>	No data available.
<b>TM set up</b>	Lane 1 closure and inner ring closure. Lane 2 closure on local authority road
<b>1.1.2 A19 Holystone – Killingworth</b>	
The work proposed is on the A19 between Holystone interchange and Killingworth interchange. Survey required in lane 1 of the NB direction and the slips to determine flooding.	
<b>Chart Sections</b>	Holystone NB entry slip - 4515A19/59 Killingworth NB exit slip – 4515A19/33 Main carriageway NB lane 1 – 4515A19/46
<b>OSGR Co-ordinates</b>	SB – 430514E, 570602N NB – 428699E, 572426N
<b>Length of Scheme</b>	Holystone NB entry slip – 460m Killingworth NB exit slip – 402m Main carriageway NB lane 1 – 1,761m
<b>Traffic Flow</b>	Northbound = AADF (one way-12hr) 20,156 with 4.9% HCV (Taken from 2019)
<b>TM set up</b>	Lane 1 closures
<b>1.1.3 A1 Fenfrother</b>	

The work proposed is on the A1 between Fenfrother and Earsdon Moor. The survey is required to identify recent flooding in the area ranging from 2012 -2019.	
<b>Chart Sections</b>	2900A1/265, 266, 270
<b>OSGR Co-ordinates</b>	North Extents <b>E:418881, N:592962</b> South Extents <b>E:418779, N:592196</b>
<b>Length of Scheme</b>	Northbound - 1000m Southbound – 1000m
<b>Traffic Flow</b>	Southbound = AADF (one way-12hr) 8575 with 10.3% HCV (Taken from 2019)
<b>TM set up</b>	Traffic signals
<b>1.1.4 A1 Eshott to Causey Park Bridge</b>	
The work proposed is on the A1 between Eshott and just after Causey Park Bridge. The survey is required to identify recent flooding in the area ranging from 2008 -2019.	
<b>Chart Sections</b>	2900A1/275, 280, 285
<b>OSGR Co-ordinates</b>	North Extents <b>E:418035, N:597103</b> South Extents <b>E:418963, N:594552</b>
<b>Length of Scheme</b>	Northbound - 2820m Southbound – 2820m
<b>Traffic Flow</b>	Northbound = AADF (one way-12hr) 8,363 with 9.8% HCV (Taken from 2019)
<b>TM set up</b>	Traffic Signals
<b>1.1.5 A66 West Smallways - West Layton and Ravensworth</b>	
The work proposed is on the A66 West between Smallways and West Layton. The survey is required to identify recent flooding in the area ranging from 2017 -2020. Condition of pipework in this location is from As-builts and have never been surveyed. Survey required in both directions and centre res. There is a small section of historical flooding located east of smallway to west layton that will also need surveying.	
<b>Chart Sections</b>	<b>Small ways to west Layton -</b> Eastbound - 2700A66/251 (1050m to be surveyed), 247, 28 (100m to be surveyed) Westbound - 2700A66/246 (1050m to be surveyed), 250 <b>Ravensworth – 2700A66/42</b>
<b>OSGR Co-ordinates</b>	<b>Small ways to west Layton -</b> West Extents <b>E:411572, N:511108</b> , East Extents <b>E:412716, N:510412</b> <b>Ravensworth - West Extents E:414187 N:509510 East extents E:414738 N:509183</b>

<b>Length of Scheme</b>	<b>Small ways to west Layton</b> – 1700m <b>Ravensworth</b> – 700m
<b>Traffic Flow</b>	Westbound = AADF (one way-12hr) 8293 with 19.3% HCV (Taken from 2019)
<b>TM set up</b>	<b>Small ways to west Layton</b> - Traffic signals on Stephen bank and lane closure in dual carriageway section. <b>Ravensworth</b> – Traffic signals
<b>1.1.6 A1M J60-61</b>	
The work proposed is on the A1M between J60 and J61. Survey required lane 1 in both directions. The drainage is on the main carriageway of chart section 305 then crosses the carriageway and carries on the slip of chart section 309. The outfall will need to be chased and is situated on the NB carriageway.	
<b>Chart Sections</b>	SB – slip 1300A1M/309 ch 295 to 718m 1300A1M/305 ch 150 to 330m, 1300A1M/313, 1300A1M/317, 1300A1M/321, 1300A1M/325, 1300A1M/329 ch 0 to 150 NB – 1300A1M/340 ch 400 to 917m, 1300A1M/344, 1300A1M/348.
<b>OSGR Co-ordinates</b>	432428E, 533639N – 430939E, 537159N
<b>Length of Scheme</b>	SB – 4012m + 2 cross carriageways NB – 2000m + outfall
<b>Traffic Flow</b>	Northbound = AADF (one way-12hr) 15,610 with 13.3% HCV (Taken from 2017)  Southbound = AADF (one way-12hr) 16,291 with 14.3% HCV (Taken from 2019)
<b>TM set up</b>	Lane 1 closure on mainline and lane closures on entry slip
<b>1.1.7 A1M J62-63 Gullies</b>	
The work proposed is on the A1M between J62 and J63. Survey required in lane 1 of the SB direction to determine the flood issues around the gullies blocked within this area. The survey should run from marker post 48/0 to just past 49/0. We have included the north bound verge to prove connectivity of ownership of assets	
<b>Chart Sections</b>	SB - 1300A1M/505, 513, 517 NB – 1300A1M/552, 556 and 564
<b>OSGR Co-ordinates</b>	Start 428255E, 552118N - End 429135E, 551356N
<b>Length of Scheme</b>	1200m Southbound verge 1200m Northbound verge
<b>Traffic Flow</b>	Southbound = AADF (one way-12hr) 27,073 with 11.3% HCV (Taken from 2019)

<b>TM set up</b>	Lane 1 closures north and south bound verges
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## 1.2 Pavement

All carriageways services are asphalt.

## 1.3 Geotechnical

There are no known geotechnical issues with the potential to impede the proposed survey.

## 1.4 Soft Estate and Environment

The nearside and central reserve verges are grassed with varying a degree of vegetation throughout the route. See Appendix B for the Environmental RAG Plans.

## 1.5 Drainage

The existing drainage network at these locations may consist of gullies with carrier drains/pipework, this will be determined following the proposed surveys.

## 1.6 Underground Services

Survey works will not involve digging into the ground; therefore, no underground services will be affected. C2 Stats will be requested for Holystone – Killingworth survey to identify underground services present.

## 1.7 Traffic

Traffic management to be provided by CHC (M&R) site access and welfare facilities will be briefed via CHC during works induction prior to site works commencing.

- D2\_M = Static lane closures in accordance with chapter 8.

## 1.8 Scheme Specific Requirements

<b>Scheme Specific Requirements</b>			
	<b>Yes</b>	<b>No</b>	<b>Comments</b>

Scheme Specific Requirements			
Does a H&S file exist?	✓		H&S Pre-con will be issued to the Principle Contractor CHC (M&R) 2 weeks prior to works. CHC will produce H&S site file and provide site induction and workforce H&S checks prior to works
Site Welfare	✓		Mobile unit to be provided by the Principle Contractor. Nearest depot and Welfare facilities to be advised by Supervisor / Highways England Representative
Are there requirements for site security?		✓	Contractor responsible for own equipment to be removed from site after each shift
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. Reverse in-line with the Highways England Vehicle Reversing Policy; 3. 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. No Private vehicles are allowed on site
Height Restrictions (Structures & OH Cables)	✓		Have overhead cables been identified on site? YES – network plans showing location of overhead cables to be provided with package of work
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.
Are there any areas in or around the site classified as no-go areas?	✓		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.
Are there any noise restrictions?		✓	
Adjacent land uses, for example schools, railway lines		✓	
Are temporary works required?		✓	
Are there any poor or hazardous ground conditions		✓	
Are there any unstable structures?		✓	
Are there any areas likely to be classed (existing or designed) as confined spaces?		✓	

<b>Scheme Specific Requirements</b>			
Are there any other projects taking place within the vicinity?		✓	No known works are taking place within the vicinity.
Are there any Environmental restrictions?		✓	

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## Appendices

### Appendix A – Location and Overhead Cable Plans

Appendix A – OH Plan (1)	A66 Scotch corner Holiday Inn
Appendix A – OH Plan (2)	A19 Holystone – Killingworth
Appendix A – OH Plan (3)	A1 Fenfrother

Appendix A – OH Plan (4)	A1 Eshott – Causey Park Bridge
Appendix A – OH Plan (5)	A66W Smallways – West Layton + Ravensworth
Appendix A – OH Plan (6)	A1M J60-61
Appendix A – OH Plan (7)	A1M J62-63 Gullies

### Appendix B - Environmental RAG Plans

Appendix B – Rag Plans (1)	A66 Scotch corner Holiday Inn
Appendix B – Rag Plans (2)	A19 Holystone – Killingworth
Appendix B – Rag Plans (3)	A1 Fenfrother
Appendix B – Rag Plans (4)	A1 Eshott – Causey Park Bridge
Appendix B – Rag Plans (5)	A66W Smallways – West Layton + Ravensworth
Appendix B – Rag Plans (6)	A1M J60-61
Appendix B – Rag Plans (7)	A1M J62-63 Gullies

### Appendix C - Public Access Map

Appendix C – Public Access Maps (1)	A66 Scotch corner Holiday Inn
Appendix C – Public Access Maps (2)	A19 Holystone – Killingworth
Appendix C – Public Access Maps (3)	A1 Fenfrother
Appendix C – Public Access Maps (4)	A1 Eshott – Causey Park Bridge
Appendix C – Public Access Maps (5)	A66W Smallways – West Layton + Ravensworth
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### Appendix D – Scheme Overview

Appendix D – Scheme Overview (1)	A66 Scotch corner Holiday Inn
Appendix D – Scheme Overview (2)	A19 Holystone – Killingworth
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