M42 Junction 6 Improvement
Scheme Number TR010027
Volume 6
6.3 Environmental Statement
Appendix 7.2 Ground Investigation Archaeological Monitoring Report

Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

January 2019

Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

M42 Junction 6 Improvement

Development Consent Order 201[-]

6.3 Environmental Statement
Appendix 7.2 Ground Investigation Archaeological Monitoring Report

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Regulation Number	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	TR010027
Application Document Reference	6.3
Author	M42 Junction 6 Improvement Project Team and Highways England

Version	Date	Status of Version
1	January 2019	DCO Application

MFTJ18

M42 Junction 6 Improvement Scheme

Solihull, Birmingham

Ground Investigation Monitoring

Prepared on behalf of Interserve Construction Ltd

HEADLAND ARCHAEOLOGY Ltd

PROJECT SUMMARY SHEET

Client	Interserve
National Grid Reference	N. G. R 418564, 280373
Address	Solihull, Birmingham, Warwickshire
Parish:	Solihull
Council:	Solihull Council
OASIS ref.:	317425
Archive will be deposited with:	Warwick Museum
Project Manager:	Michael Tierney
Author:	Beth Doyle
Edited and approved by:	Michael Tierney
Fieldwork:	Hayley L. Goacher, Bonnie Knapp, Beth Doyle and Astrid L. Nathan
Graphics:	Julia Bastek-Michalska
Schedule	
Fieldwork:	26/01/18-22/02/18 and 08/05/18-14/05/18
Report:	May 2018

CONTENTS

M42 JUNCTION 6 IMPROVEMENT SCHEME

Ground Investigation Monitoring

Summary

Headland Archaeology (UK) Ltd undertook archaeological monitoring of groundworks associated with the improvement scheme works on the M42 at Junction 6 near Solihull, Birmingham. This work was undertaken to provide information on the archaeological potential of the site and consisted in monitoring geotechnical investigation (GI) alongside the geotechnical contractor.

No archaeological remains or finds were identified.

1 INTRODUCTION

Headland Archaeology Ltd was commissioned by Intererve to undertake a programme of archaeological works in connection with the improvement works at Junction 6 of the M42 near Solihull, Birmingham.

A brief was prepared by Rachel Wood, Archaeological Consultant with AECOM outlining the archaeological works needed to fulfil the Planning Inspectorate requirements. AECOM then prepared a Written Scheme of Investigation (WSI) (AECOM, 2017, 5) on behalf of Highways England setting out the proposed strategy for archaeological mitigation.

There were no archaeological features found.

2 SITE LOCATION AND DESCRIPTION

The proposed scheme is located to the west of the existing M42 Junction in the area of green belt between Junction 5 and Junction 6; the development creates tie-in points to the existing Strategic Road Network (SRN) at the following locations; M42 Clock Interchange (SP: 18778 82970) and a proposed junction (SP: 19307 81306); and junction enhancements at the existing M42 Junction 6 (SP: 19819 83061) (AECOM, 2017, 5).

The bedrock geology of the site consists of Branscombe and Sidmouth formations of mudstone as well as Arden Sandstone Formation. The superficial geology consists of Glaciofluvial deposits (sand and gravel) and alluvium (clay, silt, sand and gravel), although these are patchy (http://mapapps.bgs.ac.uk/geologyofbritain/home.html). (AECOM, 2017, 5).

3 ARCHAEOLOGICAL AND HISTORICAL BACKGROUND

The following summary is collated from the WSI. The archaeological remains found in the area include those dating from the Mesolithic (10,000 BC-3,500 BC) up to the Modern (1901-Present). Evidence for the Prehistoric include small finds such as flint blades and a copper palstave axe (AECOM, 2017, 5). Evidence of Roman (43 AD-450 AD) activity is mostly limited to pottery, although some of the cropmarks may be from Romano-British activity. (AECOM, 2017, 5-6)

The Early Medieval (450 AD-1066 AD) activity is represented by the evidence of woodland clearances and expansion of land cultivation (AECOM, 2017, 6). The Medieval period (1066 AD-1500 AD) was a time of great expansion as settlements were established in the area such as the nearby Hampton-in-Arden and Bickenhill, as well as three further Deserted Medieval Villages. (AECOM, 2017, 6)

There were also three moated sites including two scheduled monuments in the study area, Moat House (List number: 10172430) and the Moated site at Eastcote Hall (List number: 1017529) (AECOM, 2017, 5).

In the Post-medieval period (1500-1900) the area stayed largely rural despite the industrial expansion of Birmingham nearby. The most significant change came about when Birmingham airport was opened in the early 20th century (AECOM, 2017, 6).

4 METHODOLOGY

Monitoring was carried out in accordance with the WSI (AECOM, 2017) and involved archaeological observation, investigation and recording during all geotechnical investigation groundworks. The numbering for the Test Pits follows that of the ground investigations team.

Archaeological monitoring was undertaken over the course of two periods of activity 26/01/18-22/02/18 and 08/05/18-14/05/18 during which the excavation of 31 test pits were monitored.

4.1 Recording

All recording was in accordance with the code of practice of the Chartered Institute for Archaeologists (CIfA, 2014a and 2014b). Contexts were given unique numbers. All recording was undertaken on pro forma record cards that conform to accepted archaeological standards. All stratigraphic relationships were recorded.

An overall site plan at an appropriate scale and relative to the National Grid was compiled. The site plan was accurately tied in to the National Grid and a scale version is shown in (Illus 1).

A digital photographic record was taken and a metric scale was clearly visible in record photographs.

The technical detail of contextual information can be found in Appendix 1. Context numbers for deposits are expressed in parenthesis, i.e. (001), cuts of features are expressed in brackets, i.e. [003].

Where no archaeological remains are encountered, a photographic record was taken of the trial pit and a written description with sketch section were produced (AECOM, 2017, 8).

4.2 Results

Thirty-one test pits were excavated across the scheme in clusters of up to five test pits in one field (Illus. 2 and 3). The test pits were between 3.0m-5.00m long, 0.40m-1.00m wide and 2.50m-4.50m deep (Appendix 1). The excavations in late January to late February had difficult ground conditions due to heavy rains, which resulted in high ground water and Health and Safety restrictions. The excavations were postponed to later in the year to benefit from early May optimal ground conditions.

Subsoil was present in 26 of the test pits; the exceptions being test pits 502, 504, 513 and 703. Test pit 702 did not contain any geological substrate as it was excavated within a thick made ground bank adjacent to the M42 motorway and the geological substrate was not reached by mechanical excavation.

Of the 31 test pits, seven contained one or more modern land drains: 303, 307, 500, 509, 511, 513 and 702. The drains consisted of either a red ceramic or a plastic pipe (Illus. 4). Six of the land drains were less than 1.00m below the surface; the exception being the one that was below the made ground in test pit 702 at depth of *c*1.3m.

Three of the test pits, 700, 701 and 702, consistently contained a made ground which was between 0.77m-2.2m thick. This is likely from the original works to build the M42. The made ground contained plastic sheeting, brick fragments, concrete and other modern debris within a sand, clay silt matrix (Illus. 5).

5 CONCLUSION

No archaeological remains were found during the investigation and no further archaeological investigations are required at these locations based on these results.

6 REFERENCES

AECOM, 2017. *M42 Junction 6 Improvement Scheme Written Scheme of Investigation Ground Investigation Monitoring* Highways England.

Chartered Institute for Archaeologists (CIfA) 2014b. *Standard and guidance for archaeological field evaluation.* https://www.archaeologists.net/sites/default/files/CIfAS&GFieldevaluation_1.pdf. Accessed 18/05/18

7 APPENDICES

APPENDIX 1 – TEST PIT DESCRITPTIONS

TP101		
L (m)	**W (m)**	**Max. D (m)**
3.50m	0.62m	4.00m
Context	**Description**	
10101	Topsoil - Mid greyish brown silty clay with occasional amounts of small sub-rounded pebbles, occasional amounts of charcoal fragments and occasional amounts of modern pottery fragments	0.26m
10102	Subsoil - Light yellowish grey sandy clay with occasional amounts of small angular stones	0.11m
10103	Geological substrate - Light grey/ blue sandy clay with occasional amounts of medium sized pebbles, mixed with bands of light brownish red sandy clay	0.37m-4.00m
Summary		
No archaeological remains.		

TP102		
L (m)	**W (m)**	**Max. D (m)**
3.50m	0.70m	4.50m
Context	**Description**	
10201	Topsoil - Dark greyish brown silty clay with rooting and occasional/ moderate amounts of pebbles	0.30m
10202	Subsoil - Light yellowish grey silty clay with occasional amounts of small sub-rounded pebbles	0.55m
10304	Geological substrate - Mid reddish brown sandy clay with no inclusions	0.55m-4.50m
Summary		
No archaeological remains.		

TP103		
L (m)	**W (m)**	**Max. D (m)**
3.00m	0.65m	4.50m
Context	**Description**	
10301	Topsoil - Dark greyish brown silty clay with rooting and occasional amounts of pebbles	0.35m
10302	Subsoil - Light yellowish grey silty clay with occasional amounts of small rounded pebbles	0.25m

10303	Geological substrate - Light reddish grey sandy clay	0.60m-4.50m
Summary		
No archaeological remains.		

TP104		
L (m)	**W (m)**	**Max. D (m)**
5.00m	2.00m	4.50m
Context	**Description**	
10401	Topsoil - Greyish brown slightly silty clay with occasional amounts of pebbles and occasional farming debris	0.35m
10402	Subsoil - Light yellowish grey slightly silty clay undulating over natural with occasional amounts of pebble inclusions	0.10m
10403	Geological substrate- Brownish red slightly sandy clay with occasional amounts of pebbles and bands of bluish grey clay. Very sterile	0.45m-4.50m
Summary		
No archaeological remains.		

TP300		
L (m)	**W (m)**	**Max. D (m)**
3.20m	0.70m	4.00m
Context	**Description**	
30001	Topsoil - Mid dark brownish grey silty clay with occasional amounts of small/ medium pebbles	0.23m
30002	Subsoil - Light yellowish grey sandy clay with occasional amounts of small rounded stones and occasional-moderate amounts of charcoal fragments	0.09m
30003	Geological Substrate- Light reddish brown sandy clay. Sterile	0.32m-4.00m
Summary		
No archaeological remains.		

TP301		
L (m)	**W (m)**	**Max. D (m)**
3.00m	0.60m	4.20m
Context	**Description**	
30101	Topsoil - Light brownish grey sandy clay with a moderate amount of moderately sorted small- medium sized rounded pebbles	0.21m
30102	Subsoil - Thin band of light yellowish grey sandy clay with moderate amounts of small rounded pebbles	0.16m

30103	Geological substrate - Mid brownish red sandy clay with occasional amounts of small rounded pebbles. Clean deposit	0.37m-4.20m
Summary		
No archaeological remains.		

TP303		
L (m)	**W (m)**	**Max. D (m)**
3.20m	0.62m	4.20m
Context	**Description**	
30301	Topsoil - Mid brownish grey silty clay with occasional amounts of rounded pebbles and moderate amounts of charcoal fragments	0.30m
30302	Subsoil - Light greyish yellow with occasional- moderate amounts of medium sized pebbles	0.10m
30303	Fill of modern drain - Mid greyish brown silty clay with moderate amounts of medium sized pebbles	0.02m
30304	Cut of shallow linear - Modern land drain	0.02m
30305	Geological substrate - Mid brown sandy clay with occasional amounts of pebbles	0.40m-4.20m
Summary		
No archaeological remains.		

TP305		
L (m)	**W (m)**	**Max. D (m)**
3.90m	0.70m	4.20m
Context	**Description**	
30501	Topsoil - Mid brownish grey sandy silt	0.44m
30502	Subsoil - Light orangy grey sandy silt	0.16m
30503	Geological substrate - Dark orangy red silty sand with moderate amounts of rounded gravel and occasional grey patches	0.60m-4.20m
Summary		
No archaeological remains.		

TP306		
L (m)	**W (m)**	**Max. D (m)**
3.00m	0.75	4.00m
Context	**Description**	
30601	Topsoil - Mid brown grey silty clay with occasional amounts of rounded pebbles	0.33m
30602	Subsoil - Light greyish yellow sandy clay with occasional to moderate amounts of pebbles	0.22m

30603	Geological substrate - Mid reddish brown sandy clay with sandy light yellowish-brown clay bands	0.55m-4.00m
Summary		
No archaeological remains.		

TP307		
L (m)	**W (m)**	**Max. D (m)**
3.00m	0.70m	3.60m
Context	**Description**	
30701	Topsoil - Dark greyish brown silty clay with moderately small pebbles	0.32m
30702	Subsoil - Light greyish yellow sandy clay with occasional amounts of small pebbles	0.30m
30703	Geological substrate - Light yellow sandy clay band. Sterile.	0.62m-3.60m
30704	Fill of modern land drain - Light grey brown silty clay with occasional amounts of small angular gravels and moderate amounts of bright red ceramic fragments	0.25m
30705	Cut of modern land drain	0.25m
Summary		
No archaeological remains.		

TP308		
L (m)	**W (m)**	**Max. D (m)**
3.00m	0.85m	4.50m
Context	**Description**	
30801	Topsoil - Mid greyish brown silty clay with occasional - moderate amounts of sub-rounded pebbles	0.35m
30802	Subsoil - Light greyish yellow sandy clay with moderate amounts of small sub-rounded pebbles	0.15m
30803	Geological substrate - Clean mid reddish brown sandy clay	0.50m-4.50m
Summary		
No archaeological remains.		

TP309		
L (m)	**W (m)**	**Max. D (m)**
3.00m	0.70m	2.50m
Context	**Description**	
30901	Topsoil - Mid brownish grey silty clay with moderate amounts of small rounded pebbles	0.30m
30902	Subsoil - Mid greyish yellow sandy clay with moderate amounts of small sub-rounded pebbles	0.21m

30903	Geological substrate - Mid reddish brown clean sandy clay with occasional amounts of small rounded pebbles	0.51m-2.50m
Summary		
No archaeological remains.		

TP310		
L (m)	**W (m)**	**Max. D (m)**
3.80m	0.72m	3.20m
Context	**Description**	
31001	Topsoil - Dark brownish grey silty clay occasional amounts of small roundish pebbles	0.40m
31002	Subsoil - Light yellowish grey sandy clay with occasional amounts of small- large sized pebbles	0.14m
31003	Geological substrate - Light reddish brown sandy clay. Sterile deposit	0.60m-3.20m
Summary		
No archaeological remains.		

TP311		
L (m)	**W (m)**	**Max. D (m)**
3.00m	0.70m	4.50m
Context	**Description**	
31101	Topsoil - Mid grey brown silty clay with occasional- moderate amounts of small - medium sized sub- rounded pebbles	0.40m
31102	Subsoil - Light greyish yellow sandy clay with moderate- frequent amounts of medium- large sized pebbles	0.20m
31103	Geological substrate - Clean mid orange sandy clay with patches of light grey sandy clay	0.60m-4.50m
Summary		
No archaeological remains.		

TP316		
L (m)	**W (m)**	**Max. D (m)**
N/A	N/A	N/A
Context	**Description**	
N/A	N/A	N/A
Summary		
There is no written record of this test pit		

TP317		
L (m)	**W (m)**	**Max. D (m)**

3.30m	0.70m	4.00m
Context	**Description**	
31701	Topsoil - Light brownish grey friable silty clay with occasional amounts of small rounded pebbles	0.28m
31702	Subsoil - Light yellowish grey silty clay with moderate amounts of small rounded pebbles	0.18m
31703	Geological substrate - Light yellowish brown sandy clay with occasional amounts of small- medium sized sub-rounded pebbles	0.46m-4.00m
Summary		
No archaeological remains.		

TP319		
L (m)	**W (m)**	**Max. D (m)**
3.30m	0.78m	4.20m
Context	**Description**	
31901	Topsoil - Dark greyish brown silty clay with occasional- moderate amounts of small sub- rounded pebbles, occasional Victorian porcelain fragments and charcoal fragments	0.23m
31902	Subsoil - Light greyish yellow sandy clay with small- medium amounts of sub-rounded pebbles	0.12m
31903	Geological substrate - Mid brownish red sandy clay with occasional amounts of charcoal fragments and occasional-moderate amounts of rounded pebbles	0.35m-4.20m
Summary		
No archaeological remains.		

TP320		
L (m)	**W (m)**	**Max. D (m)**
3.30m	0.70m	4.00m
Context	**Description**	
32001	Topsoil - Light greyish brown silty clay with moderate amounts of small rounded pebbles	0.21m
32002	Subsoil - Light greyish yellow sandy clay with moderate amounts of small-medium sized sub- rounded pebbles and occasional charcoal flecks	0.11m
32003	Geological substrate - Light yellowish brown sandy clay with occasional amounts of small- medium sized rounded pebbles	0.32m-4.00m
Summary		
No archaeological remains.		

TP500		
L (m)	**W (m)**	**Max. D (m)**
3.90m	0.95m	4.30m
Context	**Description**	
50001	Topsoil - Mid brownish grey sandy silt with occasional amounts of small rounded stones	0.30m
50002	Subsoil - Mid brownish grey sandy silty clay	0.20m
50003	Geological substrate - Mottled blue grey clay and brownish orange sandy silt	0.50m-4.30m
50004	Fill of land drain [50005] - Mid brownish grey sandy silty clay with occasional amounts of red ceramic fragments	0.70m
50005	Cut of land drain	0.70m
50006	Fill of land drain [50005] - Mid brownish grey sandy silty clay with occasional amounts of red ceramic fragments	0.70m
50007	Cut of land drain	0.70m
Summary		
There was no archaeology present in this test pit.		

TP502		
L (m)	**W (m)**	**Max. D (m)**
3.30m	0.70m	2.80m
Context	**Description**	
50201	Topsoil - Mid greyish brown silty sand with moderate amounts of rounded stones	0.30m
50202	Geological substrate - Dark red silty sand with mottled blue grey sandy clay	0.30m-2.80m
Summary		
No archaeological remains.		

TP503		
L (m)	**W (m)**	**Max. D (m)**
3.40m	0.65m	3.60m
Context	**Description**	
50301	Topsoil - Mid greyish brown sandy silt with occasional amounts of small rounded stones	0.23m
50302	Subsoil - Light blueish white silty clay	0.10m
50303	Deposit - Orangey brown sandy gravel	0.90m
50304	Geological substrate - Dark reddish orange clay	0.33m-3.60m
Summary		
No archaeological remains.		

TP504		
L (m)	**W (m)**	**Max. D (m)**
3.00m	0.40m	4.50m
Context	**Description**	
50401	Topsoil - Dark brown loose silty clay with roots, plastic and modern farming debris. Lighter greyish brown clayey interface with (50402) of up to 0.20m	0.30m
50402	Geological substrate - Red and light grey banded clay.	0.30m- 4.5m
Summary		
No archaeological remains.		

TP507		
L (m)	**W (m)**	**Max. D (m)**
3.60m	0.65m	4.00m
Context	**Description**	
50701	Topsoil - Mid grey sandy silt with rooting	0.22m
50702	Subsoil - Light orangy grey silty clay with moderate amounts of medium rounded stones	0.20m
50703	Geological substrate - Dark red silty clay with mottled greyish blue silty clay	0.44m-4.00m
Summary		
No archaeological remains.		

TP508		
L (m)	**W (m)**	**Max. D (m)**
3.70m	0.65m	3.90m
Context	**Description**	
50801	Topsoil - Mid brownish grey sandy silt with moderate amounts of small-medium sized rounded stones	0.25m
50802	Subsoil - Light yellowish grey sandy silt with moderate amounts of small-medium sized rounded stones	0.30m
50802	Geological substrate - Dark reddish orange sandy clay with mottled blue grey clay throughout	0.55m-3.90m
Summary		
No archaeological remains.		

TP509		
L (m)	**W (m)**	**Max. D (m)**
3.90m	1.7m	4.20m
Context	**Description**	
50901	Topsoil - Mid grey sandy silt	0.28m

50902	Subsoil - Light yellowy grey silty clay	0.08m
50903	Geological substrate - Light blueish grey clay in a thick layer with dark orangy red sandy clay underneath	0.36m-4.20m
50904	Fill of modern land drain [50905] - a mix of (50901), (50802) and (50903).	0.47m
50905	Cut of modern land drain	0.47m
Summary		
No archaeological remains.		

TP511		
L (m)	**W (m)**	**Max. D (m)**
4.00m	0.70m	4.20m
Context	**Description**	
51101	Topsoil - Mid brownish grey sandy clay with occasional amounts of small rounded stones and moderate amounts of ceramic building material (CBM)	0.38m
51102	Subsoil - Mid grey silty clay with occasional amounts of small rounded stones	0.17m
51103	Geological substrate - Light blueish grey and mottled yellow sandy clay with moderate amounts of medium rounded stones	0.55m-4.20m
51104	Fill of modern land drain [51105] - Mid greyish brown silty clay	1.15m
51105	Cut of modern land drain	1.15m
Summary		
No archaeological remains.		

TP513		
L (m)	**W (m)**	**Max. D (m)**
4.00m	0.65m	4.10m
Context	**Description**	
51301	Topsoil - Mid brownish grey sandy silt with moderate amounts of small-medium sized rounded stones	0.25m
51302	Geological substrate - Dark orangy red with veins of blue grey sandy clay	0.25m-4.10m
51303	Fill of modern land drain [51304] - Dark orangy red with mottled blueish grey	0.50m
51304	Cut of modern land drain	0.50m
Summary		
No archaeological remains.		

TP700

L (m)	**W (m)**	**Max. D (m)**
4.00m	1.00m	4.30m

Context	**Description**	
70001	Topsoil - Mid greyish brown with demolition debris	0.25m
70002	Made ground - Mid brown grey rubble-rich deposit into clayey silty sand matrix with frequent amounts of brick fragments, large lumps of broken concrete, electric fence pegs, plastic sheeting and other similar debris	1.25m
70003	Original topsoil - Dark brown grey peaty deposit with occasional- medium amounts of rounded pebbles	0.30m
70004	Original subsoil - Mid brown grey alluvium	0.70m
70005	Geological substrate - Mid blueish grey sand and river gravels	2.50m-4.30m

Summary
No archaeological remains.

TP701		
L (m)	**W (m)**	**Max. D (m)**
3.80m	0.70m	4.10m

Context	**Description**	
70101	Topsoil - Mid greyish brown with occasional amounts of pebbles and red brick fragments	0.33m
70102	Made ground - Mid brown grey sandy silt matrix with gravel, concrete fragments, brick fragments and occasional cindery material and bits of metal, wood, plastic and stones	0.67m
70103	Original ground surface - Very dark brownish grey peaty deposit with occasional amounts of pebbles	0.50m
70104	Original subsoil - Mixed deposit composed of mid- dark greyish brown alluvium clays and small- medium sized gravels	0.40m
70105	Geological substrate - River clays and gravels starting in a mid-blueish grey to a reddish brown as it goes deeper	1.90m-4.10m

Summary
No archaeological remains.

TP702		
L (m)	**W (m)**	**Max. D (m)**
4.30m	0.70m	3.80m

Context	**Description**	

70201	Topsoil - Mid grey sand silt with frequent amounts of sub- rounded stones, rooting, plastic sheeting and glass	0.10m
70202	Made ground - Mid reddish orange silty clay with moderate amounts of small-medium sized stones, plastic and small lenses of blue grey clay	2.20m
70203	Original topsoil - Mid grey silty clay with frequent amounts of sub- angular gravel	0.60m
70204	Original subsoil - Dark blue- grey sandy silt alluvium with moderate amounts of rounded stones	2.90m-3.80m
70205	Fill of modern land drain [70206] - Dark blue- grey sandy silt alluvium with moderate amounts of rounded stones	1.30m
70206	Cut of modern land drain	1.30m
Summary		
No archaeological remains.		

TP703		
L (m)	**W (m)**	**Max. D (m)**
3.70m	0.70m	3.40m
Context	**Description**	
70301	Topsoil - Mid reddish brown sandy silt with moderate rounded stones	0.36m
70302	Geological substrate - Light orangey red silty clay with occasional blueish grey silty clay	0.36m-3.40m
Summary		
No archaeological remains.		

APPENDIX 2 PHOTOGRAPHIC REGISTER

Photo No	Direction	Description
1	E	Pre-Ex TP307
2	N	Pre-Ex TP307
3	SE	Working shot TP307
4	S	Working shot TP307
5	S	Working shot TP307
6	E	W-facing section TP307
7	S	Test Pit Shot TP307
8	E	W-facing section TP307
9	S	Test Pit Shot TP307
10	E	Modern drain in W-facing TP307 section
11	E	Modern drain in W-facing TP307 section
12	E	W-facing section TP307 without scale

13	SE	Working shot TP307
14	E	Working shot TP307
15	S	Fully excavated TP307
16	E	TP307 Backfilled
17	E	TP307 Backfilled
18	W	Pre-Ex TP311
19	S	Working shot TP311
20	SW	Working shot TP311
21	SW	Working shot TP311
22	E	W-facing section TP311
23	E	W-facing section TP311
24	NE	W-facing section TP311
25	E	W-facing section TP311
26	SW	Working shot TP311
27	SW	Backfilled TP311
28	SW	Backfilled TP311
29	E	Pre-Ex TP308
30	S	Working shot TP308
31	S	Working shot TP308
32	S	Working shot TP308
33	SE	NW-facing section TP308
34	SE	NW-facing section TP308
35	SE	NW-facing section TP308
36	SW	Test Pit Shot TP308
37	SW	Test Pit Shot TP308
38	SE	NW-facing section TP308
39	SW	Fully excavated TP308
40	SE	Backfilled TP308
41	SW	Backfilled TP308
42	S	Pre-Ex TP306
43	S	Pre-Ex TP306
44	SW	Working shot TP306
45	SE	Working shot TP306
46	SE	W-facing section TP306
47	E	W-facing section TP306
48	S	Test Pit Shot TP306
49	E	W-facing section TP306
50	S	Fully excavated TP306
51	SW	Backfilled TP306
52	W	Backfilled TP306
53	NE	Pre-Ex TP309
54	S	Working shot TP309
55	S	Working shot TP309

56	S	Working shot TP309
57	S	Working shot TP309
58	SE	NW-facing section TP309
59	NE	Test Pit Shot TP309
60	SE	NW-facing section TP309
61	SE	NW-facing section TP309
62	SW	Backfilled TP309
63	SE	Working shot TP310
64	SW	Working shot TP310
65	S	Working shot TP310
66	S	Working shot TP310
67	S	Test Pit Shot TP310
68	S	Test Pit Shot TP310
69	E	W-facing section TP310
70	E	W-facing section TP310
71	S	Test Pit Shot TP310
72	S	Test Pit Shot TP310
73	E	W-facing section TP310
74	S	Test Pit Shot TP310
75	E	W-facing section TP310
76	E	W-facing section TP310
77	SW	Working shot TP310
78	SW	Backfilled TP310
79	SW	Pre-Ex TP301
80	S	Working shot TP301
81	SW	Test Pit Shot TP301
82	SW	Test Pit Shot TP301
83	SE	NW-facing section TP301
84	SE	NW-facing section TP301
85	NE	Test Pit Shot TP301
86	SW	Test Pit Shot TP301
87	SE	NW-facing section TP301
88	SE	NW-facing section TP301
89	SE	Backfilled TP301
90	SW	Pre-Ex TP303
91	NW	Working shot TP303
92	NW	Working shot TP303
93	N	Test Pit Shot TP303
94	N	Test Pit Shot TP303
95	N	Test Pit Shot TP303
96	W	E-facing section TP303
97	SW	E-facing section TP303
98	S	Test Pit Shot TP303

99	N	Test Pit Shot TP303
100	W	Plan shot of modern drain TP303
101	N	Plan shot of modern drain TP303
102	N	Plan shot of modern drain TP303
103	N	Plan shot of modern drain TP303
104	S	Plan shot of modern drain TP303 - half section
105	NW	Working shot TP303
106	N	Test Pit Shot TP303
107	NW	Backfilled TP303
108	SW	Pre-Ex TP319
109	SW	Working shot TP319
110	W	Test Pit Shot TP319
111	S	N-facing section TP319
112	E	Test Pit Shot TP319
113	W	Test Pit Shot TP319
114	S	N-facing section TP319
115	W	Test Pit Shot TP319
116	S	N-facing section TP319
117	W	Test Pit Shot TP319
118	NW	Backfilled TP319
119	S	Working shot TP101
120	SE	Working shot TP101
121	SE	Working shot TP101
122	E	W-facing section TP101
123	E	W-facing section TP101
124	E	W-facing section TP101
125	E	W-facing section TP101
126	E	W-facing section TP101
127	S	Test Pit Shot TP101
128	SE	Working shot TP101
129	E	W-facing section TP101
130	E	W-facing section TP101
131	S	Test Pit Shot TP101
132	S	Test Pit Shot TP101
133	S	Working shot TP300
134	S	Working shot TP300
135	S	Test Pit Shot TP300
136	S	Test Pit Shot TP300
137	S	Test Pit Shot TP300
138	E	W-facing section TP300
139	E	W-facing section TP300
140	E	W-facing section TP300
141	S	Test Pit Shot TP300

142	S	Test Pit Shot TP300
143	SE	Working shot TP300
144	W	E-facing section TP300
145	W	E-facing section TP300
146	S	Test Pit Shot TP300
147	S	Test Pit Shot TP300
148	W	E-facing section TP300
149	SW	Working shot TP317
150	SW	Working shot TP317
151	SE	NW-facing section TP317
152	SE	NW-facing section TP317
153	SE	Test Pit Shot TP317
154	SE	Test Pit Shot TP317
155	SE	Test Pit Shot TP317
156	SE	Test Pit Shot TP317
157	SE	Test Pit Shot TP317
158	SE	NW-facing section TP317
159	SW	Test Pit Shot TP317
160	SW	Working shot TP317
161	SW	Working shot TP317
162	SW	Working shot TP317
163	SW	Test Pit Shot TP320
164	SW	Test Pit Shot TP320
165	SE	NW-facing section TP320
166	SE	NW-facing section TP320
167	SW	Working shot TP320
168	SE	NW-facing section TP320
169	SE	NW-facing section TP320
170	SW	Test Pit Shot TP320
171	SW	Working shot TP320
172	SW	Working shot TP320
173	SW	Working shot TP320
174	S	Backfilled TP320
175	SE	Test Pit Shot TP103
176	SW	NE-facing section TP103
177	SE	Test Pit Shot TP103
178	E	Backfilled TP103
179	E	Working shot TP502
180	E	Working shot TP502
181	SW	NE-facing section TP502
182	NE	SW-facing section TP502
183	NW	Fully excavated TP502
184	NE	Backfilled TP502

185	SE	Pre-Ex TP503
186	SE	Test Pit Shot TP503
187	SE	Working shot TP503
188	SW	NE-facing section TP503
189	NE	SW-facing section TP503
190	NE	Pre-Ex TP305
191	NE	Working shot TP305
192	NE	Test Pit Shot TP305
193	SE	NW-facing section of TP305
194	NW	SE-facing section of TP305
195	NE	Backfilled TP305
196	N	Pre-Ex TP500
197	N	Test Pit Shot TP500
198	E	W-facing section of TP500
199	W	E-facing section of TP500
200	E	W. facing shot of land drain [50005]
201	W	E-facing shot of land drain [50007]
202	N	Fully excavated TP500
203	N	Backfilled TP500
204	N	Backfilled TP316
205	SE	Pre-Ex TP509
206	NE	SW-facing section of TP509 with land drain [50905]
207	N	Working shot TP509
208	W	NE-facing section of TP509
209	SE	Fully excavated TP509
210	SE	Backfilled TP509
211	S	Pre-Ex TP511
212	S	Test Pit Shot TP511
213	x	Overhead shot of land drain [51105]
214	NE	SW-facing section of TP511
215	SE	Working shot TP511
216	NE	SW-facing section of TP511
217	SW	NE-facing section of TP511
218	SE	Fully excavated TP511
219	SE	Backfilled TP511
220	N	Pre-Ex TP513
221	N	Test Pit Shot TP513
222	x	Overhead shot of land drain [51304]
223	W	E-facing section of TP513
224	E	W-facing section of TP513
225	NE	Working shot TP513
226	N	Fully excavated TP513
227	N	Backfilled TP513

228	W	Pre-Ex TP507
229	W	Test Pit Shot TP507
230	N	S-facing section of TP507
231	N	S-facing section of TP507
232	S	N-facing section of TP507
233	W	Fully excavated TP507
234	W	Backfilled TP507
235	S	Pre-Ex TP508
236	S	Test Pit Shot TP508
237	E	W-facing section of TP508
238	W	E-facing section of TP508
239	SW	Working shot TP508
240	S	Fully excavated TP508
241	N	Pre-Ex TP700 and 702
242	SSW	Pre-Ex TP700
243	S	Working shot TP701
244	S	Test Pit Shot TP701
245	W	Working shot TP701
246	W	W-facing section TP701
247	NE	Water course and made ground near TP701
248	SSW	Other side of water course showing partially buried fence
249	S	Fully excavated TP701
250	S	Backfilled TP701
251	E	Pre-Ex TP700
252	S	Pre-Ex TP700
253	S	Test Pit Shot TP700
254	E	E-facing section TP700
255	S	Working shot TP700
256	SW	Working shot TP700
257	S	Test Pit Shot TP700 without scale
258	S	Test Pit Shot TP700
259	S	Test Pit Shot TP700
260	W	W-facing section TP700
261	S	Fully excavated TP700
262	S	Fully excavated TP700
263	SSW	Fully excavated TP700
264	SSW	Fully excavated TP700
265	SSE	Backfilled TP700
266	S	Backfilled TP508
267	N	Pre-Ex TP702
268	E	Test Pit Shot TP702
269	N	S-facing section of TP702
270	NW	Working shot TP702

271	E	Working shot TP702
272	E	Test Pit Shot TP702
273	E	Backfilled TP702
274	NE	Pre-Ex TP703
275	NE	Test Pit Shot TP703
276	SE	NW-facing section of TP703
277	NW	SE-facing section of TP703
278	N	Working shot TP703
279	NE	Fully excavated TP703
280	N	Backfilled TP703
281	S	Fully excavated TP503
282	S	Backfill TP503
283	E	Working shot of motorway
284	E	Working shot TP104
285	E	Working shot TP104
286	S	N-facing section TP104
287	N	Working shot TP104
288	SE	Working shot TP104
289	NW	Test Pit Shot TP504
290	NW	Test Pit Shot TP504
291	NW	Working shot TP504
292	NE	SW-facing section TP504
293	W	Test Pit Shot TP504

APPENDIX 3 OASIS FORM

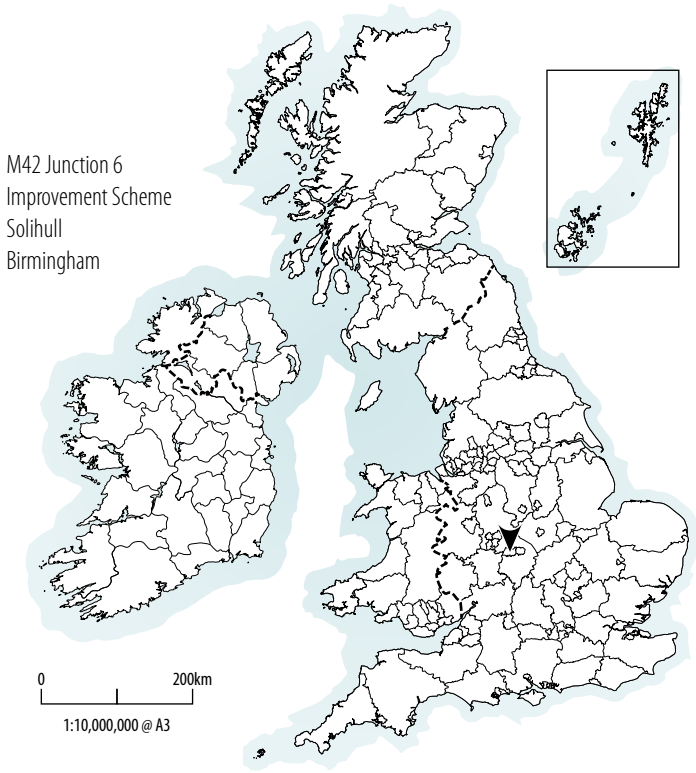
OASIS ID: headland4-317425	
Project details	

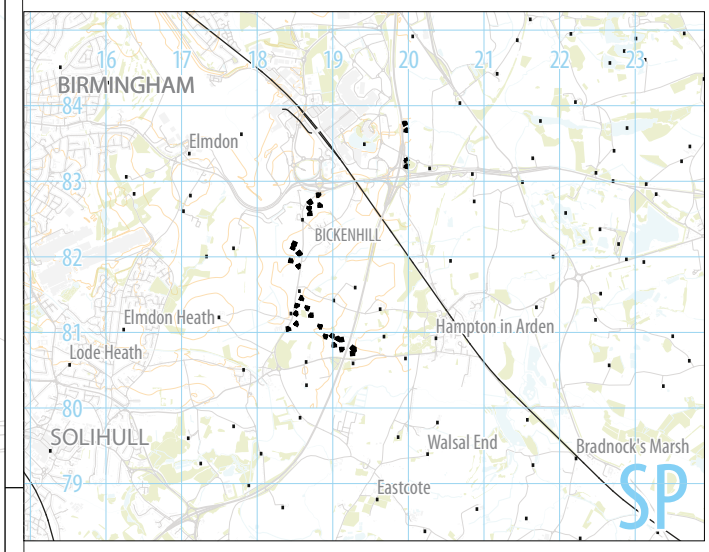
Project name	M42 Junction 6 improvement scheme- Solihull, Birmingham
Short description of the project	Headland was commissioned to monitor ground works associated with the improvement works on the M42 Junction 6 near Solihull, Birmingham. The works consisted of 31 Geo-technical test pits in advance of the improvement scheme.
Project dates	Start: 26-01-2018 End: 14-05-2018
Previous/future work	No / No
Type of project	Recording project
Site status	None
Current Land use	Grassland Heathland 2 - Undisturbed Grassland Cultivated Land 2 - Operations to a depth less than 0.25m Grassland Heathland 3 - Disturbed
Project location	
Site location	WEST MIDLANDS SOLIHULL M42 Junction 6 improvement scheme
Postcode	HR2 6JR
Study area	50 Hectares
Site coordinates	418564 280373 418564 00 00 N 280373 00 00 E Point
Height OD/ Depth	Min: 2.5m Max: 4.5m
Project creators	
Name of Organisation	Headland Archaeology Ltd
Project brief originator	Contractor (design and execute)
Project design originator	Headland Archaeology Ltd
Project director/manager	Michael Tierney
Project supervisor	Beth Doyle
Project archives	
Physical Archive recipient	Warwickshire Museum
Entered by	Beth Doyle (beth.doyle@headlandarchaeology.com)
Entered on	18 May 2018

LIST OF ILLUSTRATIONS

This report adheres to the quality standard of ISO 9001:2015

M42 Junction 6
Improvement Scheme
Solihull
Birmingham





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0 250m
1:12,500 @ A3

development boundary
test pit

BICKENHILL
HAMPTON IN ARDEN

TP700 TP701 TP702 TP703 TP511 TP509Ext TP513 TP508 TP507 TP703 TP503 TP502 TP500 TP316 TP307 TP311 TP306 TP308 TP305 TP309 TP310 TP303 TP317 TP301 TP320 TP319 TP300 TP102 TP101 TP103 TP104

284000 283000 282000 281000
419000 420000 421000

ILLUS 1 Site location

ILLUS 2 South facing shot of Test Pit 310 **ILLUS 3** East facing shot of completed Test Pit 500 **ILLUS 4** North-east facing section of Test Pit 509 including plastic land drain [50906] **ILLUS 5** East facing shot of made ground (70002) in Test Pit 700