Bishopton Royal Ordnance Factory, Renfrewshire: Archaeological Evaluation, M8 Junction

Data Structure Report

by Douglas Gordon

issued 27th October 2015

on behalf of BAE Systems PLC

RATHMELL ARCHAEOLOGY LTD

Quality Assurance

This report covers works which have been undertaken in keeping with the issued brief as modified by the agreed programme of works. The report has been prepared in keeping with the guidance of Rathmell Archaeology Limited on the preparation of reports. All works reported on within this document have been undertaken in keeping with the Chartered Institute for Archaeologists' Standards and Policy Statements and Code of Conduct.

Signed ..... Date …27th October 2015…….

In keeping with the procedure of Rathmell Archaeology Limited this document and its findings have been reviewed and agreed by an appropriate colleague:

Checked ..... Date …27th October 2015…….

Quality Assurance Data

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Contents

Figures

Introduction

1. This Data Structure Report has been prepared for BAE Systems in respect of the proposed new M8 Junction (NGR: NS 4493 69357), which is part of the remediation and enabling development of the Bishopton Royal Ordnance Factory. The archaeological works were designed to determine the archaeological potential of the development area and hence inform the specification for mitigation of the impact on the archaeological remains within this portion of the development area.

2. Renfrewshire Council required a programme of archaeological works to be undertaken as a condition of the granted planning consents. The West of Scotland Archaeology Service (WoSAS) who advise Renfrewshire Council on archaeological matters provided guidance on the structure of archaeological works required on this site during development works.

3. Rathmell Archaeology Limited were appointed by BAE Systems PLC to undertake the implementation of archaeological investigative works prior to the development of the site. The project works were specified in the Mitigation Strategy, which was agreed with the West of Scotland Archaeology Service (Rees & Talbot 2010).

Project Works

4. The programme of archaeological works was undertaken between the 30th September and the 7th October 2015. It was carried out in keeping with the methods detailed in the Archaeological Mitigation Strategy (Rees & Talbot 2010) and the supporting Safety Plan/Risk Assessment (SP&RA) (Matthews 2015). It consisted of the excavation of a series of intrusive trenches to expose an 8% sample of the initial phase of the development area (a minimum sample of 3100m²) to be archaeologically examined. In total 3154m^2 of trenching was excavated, slightly exceeding the required 8% sample. The position of the trenches as excavated is shown on the site plan (Figures 1 & 2). Trench 1 was slightly realigned due to ground conditions and Trench 19 was extended to fully reveal a feature in the base of the trench.

5. The study area consisted of two arable fields, one to the northwest and the other to the southeast of the intersection of the M8 and the A8. The northern area was bounded by the M8 on the eastern edge and the A8 on the western side with Craigmuir Farm to the north. While the southern area was also bounded by the M8 and A8, west and east respectively, on its southern edge it was bounded by a hedge row and open ditch. During the archaeological works the weather in general was dry.

6. All works were conducted in accordance with the West of Scotland Archaeology Service Standard Conditions, the Chartered Institute for Archaeologists' Standards and Policy Statements and Code of Conduct and Historic Scotland Policy Statements.

Findings

7. In total, 31 machine-dug evaluation trenches were excavated across the available portion of the development area, using a tracked 360° mechanical excavator with a toothless 2m ditching bucket.

8. All putative features identified within the bed of each trench were investigated in accordance with the Archaeological Mitigation Strategy (Rees & Talbot 2010) with many consequently being discounted as geological anomalies or products of bioturbation rather than anthropic features. Those that were determined to be anthropic in origin are described below.

9. A standardised description of each trench is contained within *Appendix 1: Trench Summaries* at the end of this report; all trenches are also depicted on Figure 2. *Appendix 2* contains all of the registers for context description, photography, drawing, sampling and finds from the project.

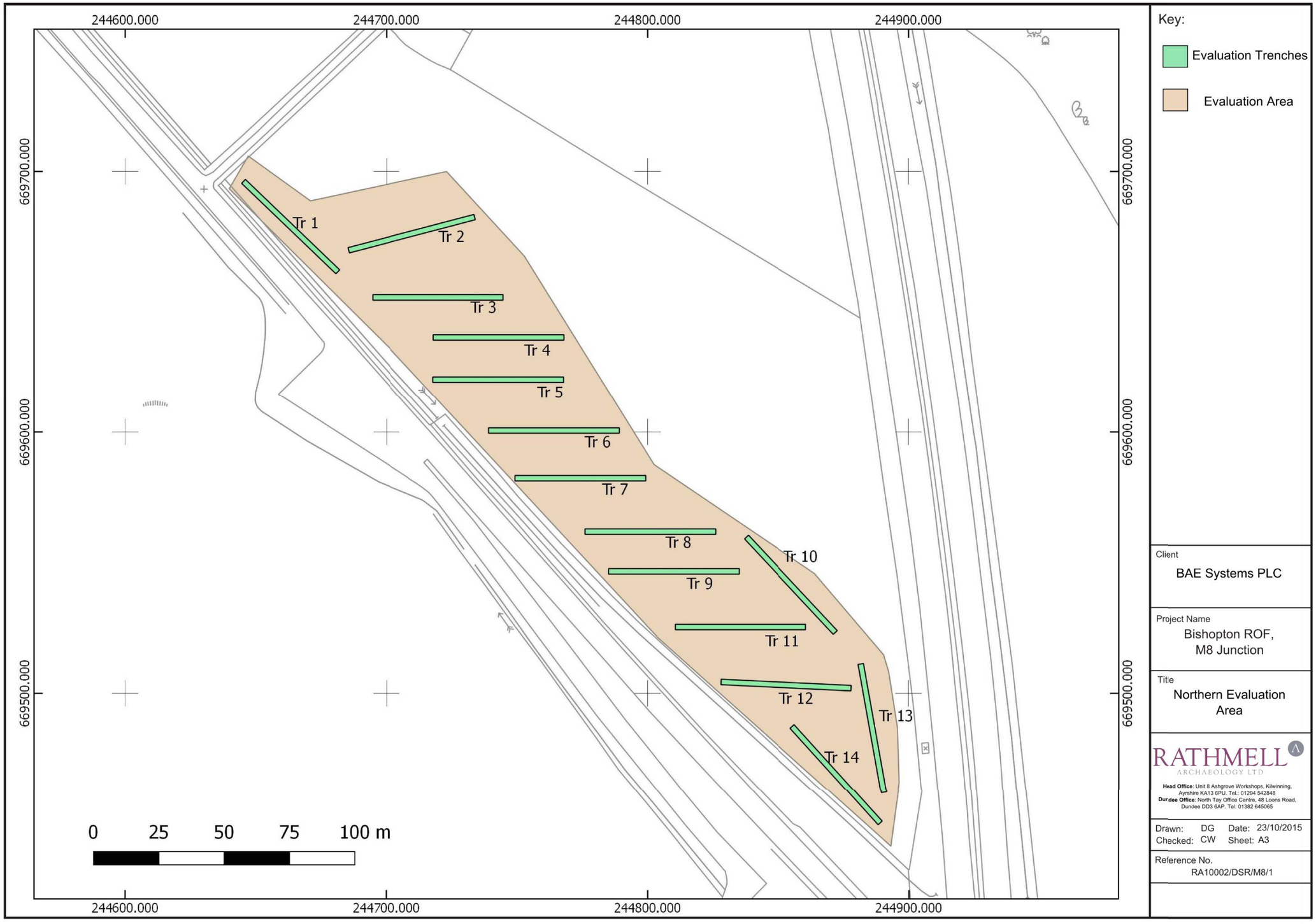

Figure 1: Plan of Trenches in northern evaluation area as excavated

Figure 2: Plan of Trenches in southern evaluation area as excavated

Conventions

10. Where significant features are discussed, their location will normally be quoted as a distance along the relevant trench (such as +23m). This distance was measured from the end of the trench quoted first for the orientation given in the *Trench Summaries* in Appendix 1. All depths given for features are given from the base of the trench after the removal of topsoil and/or modern overburden unless otherwise stated. The reader should presume a homogenised topsoil was present in all trenches over the upper surface of the drift geology unless an alternative description is provided. Where a number of cut features were identified in close proximity, they have been described together as Feature Groups – while this may reflect an association between them, at the current time the only definite association is physical proximity.

11. The context is the basic archaeological unit of description relating to either a structure, cut or sediment of common characteristics. Structures (such as walls or built surfaces) and cut features (normally identified as they cut the underlying subsoil) are denoted by squared brackets (e.g. [040]). Sediments, including the fills of cut features, are denoted by rounded brackets (e.g. (041)).

12. When discussing features which are broadly circular in plan, our general approach is to consider those features over 500mm in diameter to be pits while those under 500mm are postholes. The difference in size is an indication only of a possible function; a posthole requires to be large enough to hold a post and associated stone packing. While a pit, which is larger, may have been dug, for example, to extract sand & gravel, to create an obstacle or for the purpose of rubbish disposal. Where clear evidence of function is present, such as packing stones, post-pipes and ramps, then such features will be described by inferred function regardless of size.

Natural Sediment

13. In the southern evaluation area (Figure 2) the topsoil (001) consisted of dark brown grey silty clay with moderate levels of small roots, and occasional small stone inclusions. Modern glass and ceramics were observed within the context, along with other modern detritus such as barbed wire. In the northern area, the area was covered by ploughsoil (009) which was mid-dark brown sandy clay with frequent rootlets, rare small stone inclusions and modern white glazed ceramics. In general (001) was approximately 300mm in depth, while (009) was varied from 100-330mm.

14. In the northern evaluation area (Figure 1) several further contexts; (011), (012), and (016), were evident underlying the upper ploughsoil (009). (011) appeared to be a variant of (009), which was generally 110mm in depth, while (012) was a soft dark brown/black silty clay with frequent small stone inclusions and organic inclusions, and occasional patches of re-deposited subsoil. (016) was a mid- to dark brown silt clay with occasional rootlets and a high organic content.

15. There were six subsoil variants revealed within the base of the trenches: (002), (008), (010), (014), (018) and (024). These subsoils consisted of sand, clay or a combination of both.

Anthropic Features

16. The northern area was dominated by a variety of field drains, with the majority of the trenches exhibiting several drains within the trench bed. These features varied from rubble field drains (028) to ceramic drains, (006), (015), (017), to modern plastic types, (013), (020), (023), and (025). The more modern types appear to have replaced older ceramic drains, given the frequent amount of ceramic pipe sherds in the trench fill. All of the field drains were either aligned NW-SE or N-S, running into an open ditch which ran along the western edge of the field.

17. In addition to the field drain features, [026] was recorded within Trenches 11 and 12 at +25.7m and +7.9m respectively. This was a linear feature, aligned N-S, measuring up to 500mm in width. Its fill consisted of small grey rounded pebbles which surrounded a yellow corrugated pipe with a diameter of 150mm.

Figure 3a: Trench 24

Figure 3b: Trench 25

Figure 4a: Trench 2

Figure 4b: Trench 12

18. In contrast, the southern area revealed only one ceramic field drain (006) within Trench 23 at +43.8m. Only two other features were recorded in this area; [004] and [007]. [004] sat at +45.7m in Trench 19. It was rectangular in plan, aligned NNW-SSE, with sloping sides and a flat base, measuring 5m by 900mm and 160mm in depth. Its fill (005) was a fairly compact mid-brown silty clay with occasional small stone inclusions and flecks of charcoal and modern glass. [007] was recorded in Trenches 23, 24, 25, 26, 28 and 29 at +46.5m, +0m, +36.2m, +13.5m, +45m, +6.5m respectively. It was a linear feature aligned N-S measuring 1.4m wide with vertical sides, containing a 600mm diameter ceramic pipe surrounded by pea gravel. It should be noted that the pipe rose as it travelled south, till it sat only 90mm below the surface in Trench 29.

Discussion

19. No significant archaeological features were revealed during the course of the works. Those features that were revealed were of relatively recent to very recent origin. The amount of field drains in the northern area, along with contexts (012) and (016), which appear to be a proto peat, would seem indicative of a field quite prone to waterlogging. This was confirmed by various local sources, which stated that waterlogging had been a serious issue in the field until quite recently when the new field drains were put in.

20. Feature [004] appears to be a modern feature, given the presence of modern glass within it fill. While it is uncertain as to what exactly it represents, given its close proximity to the M8 motorway, it may relate to the construction of the motorway. Features [007] and [026] appear to be modern utility pipes.

21. It should be noted that while no significant archaeological features were uncovered during the course of the works, a 4th century AD Roman coin was recovered from within the same field by a metal detectorist in the past couple of years (pers. comm. Harry Blair).

Recommendations

22. No significant archaeological features were uncovered during the course of the evaluation, with the only anthropic material observed indicative of modern activity on the site. This would reasonably suggest that there are no extensive archaeological sites or features within the proposed development area.

23. In terms of planning guidance, the intrusive evaluation has shown that there are no identifiable archaeological sites present and that development of this ground is compatible with the archaeological policies within the Development Plan and national guidance (PAN 02/2011 Planning & Archaeology).

24. As such Rathmell Archaeology recommend that no further works be carried out. The acceptability of these works needs to be confirmed with WoSAS and Renfrewshire Council.

Conclusion

25. A programme of archaeological investigative works was carried out for BAE Systems PLC respect the proposed new M8 Junction. The archaeological works were designed to determine the archaeological potential of the development area and hence inform the specification for mitigation of the impact on the archaeological remains within the development area.

26. The archaeological investigative works consisted of an intrusive evaluation which was designed to assess an 8% sample of the proposed development area. The works were carried out between 30th September and the 7th October 2015, with a total of 31 trenches excavated.

27. The works did not identify any significant archaeological features present within any of the trenches.

References

Documentary

Rees, T & Talbot, G 2010 *Bishopton Royal Ordnance Factory, Renfrewshire: Archaeological Mitigation. Archaeological Mitigation Strategy* Rathmell Archaeology Ltd

Policy, Standards & Guidance

Historic Scotland 2008 Scoping of Development Proposals; Assessment of Impact on the Setting of Historic Environment Resource – Some General Considerations

Historic Scotland 2011 Scottish Historic Environment Policy

Chartered Institute for Archaeologists 2009 Standard and Guidance for Archaeological Desk-Based Assessment

Chartered Institute for Archaeologists 2010 Code of Conduct

Scottish Government 2010 Scottish Planning Policy

Scottish Government 2011 PAN 2/2011 Planning & Archaeology

Legislation

Ancient Monuments and Archaeological Areas Act 1979

Historic Environment (Amendment) (Scotland) Act 2011

Planning (Listed Buildings and Conservation Areas) (Scotland) Act 1997

Planning etc. (Scotland) Act 2006

Town and Country Planning (Scotland) Act 1997

Appendix 1: Trench Details

Within this appendix a standardised set of data pertaining to the evaluation trenches is presented.

All measurement distances quoted along the trench measure based on the quoted orientation of the trench.

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
1	NW-SE	50.3m x 2m (100.6m^2)	160-250mm	Very light brown, light grey clay with occasional small – medium sized stone inclusions and occasional patches of degraded stone (010)	Field Drain (013) at +16.5m	None	None
2	W-E	50.1m x 2m (100.2m^2)	100-150mm	Very light brown, light grey clay with occasional small – medium sized stone inclusions and occasional patches of degraded stone (010) and Soft light brown and light to mid grey clay sand with occasional small – medium sized stone inclusions and patches of degraded stone (014)	Field Drain (013) at +1m, +6.8m, +12m, +17.5m; Field Drain (015) at +33.3m	None	None
3	W-E	51.2m x 2m (102.4m^2)	100-140mm	Very light brown, light grey clay with occasional small – medium sized stone inclusions and occasional patches of degraded stone (010)	Field Drain (013) at +2.2m, +9.3m, +16m, +23.3m +2.2m, +9.3m, +16m, +23.3m;	None	None
4	W-E	51.4m x 2m (102.8m^2)	80-120mm	Very light brown, light grey clay with occasional small – medium sized stone inclusions and occasional patches of degraded stone (010) and Soft light brown and light to mid grey clay sand with occasional small – medium sized stone inclusions and patches of degraded stone (014)	Field Drain (013) at +5m, +11.9m, +m, +23.3m Field Drain (015) at +0m, +30m, +38.4m. Field Drain (017) at +23m	None	None

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
5	E-W	49.2m x 2m (98.4m^2)	120-150mm	Compact light-mid grey blue clay with rare degraded stone inclusions (018)	Field Drain (013) at +3.3m, +34.6m, +41.8m, +4.8.6m. Field Drain (015) at +6.4m, +15.5m, +23.5m. Field Drain (017) at +30.7m	None	None
6	E-W	50m x 2m (100m^2)	100-150mm	Compact light-mid grey blue clay with rare degraded stone inclusions (018)	Field Drain (015) at +2m, +15m, +33.8m, +40m, +46.4m. Field Drain (020) at +7.8m	None	None
7	W-E	50.8m x 2m (101.6m^2)	70-150mm	Compact light-mid grey blue clay with rare degraded stone inclusions (018)	Field Drain (013) at +40.7m. Field Drain (015) at +27m, +33.3m.	None	None
8	W-E	50.7m x 2m (101.4m^2)	80-140mm	Very light brown, light grey clay with occasional small – medium sized stone inclusions and occasional patches of degraded stone (010) and Soft light brown and light to mid grey clay sand with occasional small – medium sized stone inclusions and patches of degraded stone (014) and Soft Yellow/pale pink sand (024)	Field Drain (015) at +12m, +43.6m.	None	None
9	W-E	50.8m x 2m (101.6m^2)	120-160mm	Very light brown, light grey clay with occasional small – medium sized stone inclusions and occasional patches of degraded stone (010) and Soft light brown and light to mid grey clay sand with occasional small – medium sized stone inclusions and patches of degraded stone (014)	Field Drain (015) at +4.8m, +36m, +48.4m.	None	None

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
10	SE-NW	51.8m x 2m ($103.6m^2$)	300-400mm	Soft light brown and light to mid grey clay sand with occasional small – medium sized stone inclusions and patches of degraded stone (014)	Field Drain (015) at +19.3m, Field Drain (017) +9.2m	None	None
11	E-W	50m x 2m ($100m^2$)	90-150mm	Very light brown, light grey clay with occasional small – medium sized stone inclusions and occasional patches of degraded stone (010)	Field Drain (015) at +22.4m, +27.9m. Field Drain (017) +18.7m. Field Drain (025) at +1m. Utility Pipe at +25.5m	None	None
12	W-E	49.7m x 2m ($99.4m^2$)	90-150mm	Soft light brown and light to mid grey clay sand with occasional small – medium sized stone inclusions and patches of degraded stone (014)	Field Drain (015) at +0m, +6.5m, +21.2m, +33.5m, +43.4m. Utility Pipe (017) +7.9m	None	None
13	SW-NE	50.3m x 2m ($100.6m^2$)	300-320mm	Soft light brown and light to mid grey clay sand with occasional small – medium sized stone inclusions and patches of degraded stone (014). Compact light-mid grey blue clay with rare degraded stone inclusions (018)	Field Drain (015) at +4.2m. Rubble Drain at +19.7m	None	None
14	NW-SE	51m x 2m ($102m^2$)	200-220m	Soft light brown and light to mid grey clay sand with occasional small – medium sized stone inclusions and patches of degraded stone (014)	Rubble Drain at +29.7m, +35.1m	None	None
15	NE-SW	50.4m x 2m ($100.8m^2$)	250-300mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002).	None	None	None
16	SW-NE	51.7m x 2m ($103.4m^2$)	250-350mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002).	None	None	None

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
17	ENE-WSW	51.5m x 2m (103m^2)	300-350mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002).	Linear plough scars. U-shaped in profile. Filled with topsoil. Measured 0.07m wide and 30mm deep.	None	None
18	WNW-ESE	52.1m x 2m (104.2m^2)	300mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002).	Linear plough scars. U-shaped in profile. Filled with topsoil. Measured 0.07m wide and 30mm deep.	None	None
19	NW-SE	52.8m x 2m (105.6m^2)	300-350mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002).	Rectilinear shaped feature (slight curve at SSE end). NNW-SSE orientation. Measured 5m x 0.9m x 160mm deep [004]. Filled by mid brown, silty clay with occasional small stone inclusions and flecks of charcoal.	None	None
20	SE-NW	50.1m x 2m (100.2m^2)	300-350mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002).	None	None	None
21	NW-SE	52m x 2m (104m^2)	200-300mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002).	None	None	None
22	SE-NW	49.1m x 2m (98.2m^2)	300-350mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002).	None	None	None

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
23	NW-SE	49.8m x 2m ($99.6m^2$)	300-500mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002).	Horse shoe field drain (006) at 43.8m. Linear feature (007) at +46.1m.	None	None
24	NW-SE	51.5m x 2m ($103m^2$)	160-300mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002).	Horse shoe field drain. (006) at +19.3m. Linear feature (007) at +0m.	None	None
25	NNE-SSW	50.6m x 2m ($101.2m^2$)	200-260mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002).	Linear feature (007) at +36.1m.	None	None
26	SSW-NNE	50.2m x 2m ($100.4m^2$)	200-360mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002).	Linear feature (007) at +13.5m	None	None
27	NW-SE	49.8m x 2m ($99.6m^2$)	200-350mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002). Loosely compacted, light brown, sand (008).	None	None	None
28	NNE-SSW	51.9m x 2m ($103.8m^2$)	100-400mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002). Loosely compacted, light brown, sand (008).	Linear feature (007) at +45m	None	None
29	SSW-NNE	51.8m x 2m ($103.6m^2$)	240-350mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002).	Linear feature (007) at +6.4m	None	None

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
30	NNE-SSW	53.1m x 2m (106.2m^2)	220-240mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002).	None	None	None
31	NE-SW	51.5m x 2m (103m^2)	200-280mm	Very compacted, mottled mid grey/brown/orange, silty clay with moderate small stone inclusions and pockets of orange sand (002). Loosely compacted, light brown, sand (008).	None	None	None

Appendix 2: Registers

Within this appendix are all registers pertaining to works on-site during the evaluation.

Context Register

Context No.	Area/ Trench	Type	Description	Interpretation
001	TR's15-31	Deposit	Quite compact dark brown grey silty clay with moderate levels of small roots, occasional small stone inclusions. Modern glass and ceramics were observed within the context	Topsoil
002		Deposit	Very Compact mottled Mid grey/brown/orange silty clay with moderate levels of small stone inclusions	Natural Subsoil
003		Feature	Regular spaced linear features on various alignments measuring 70mm wide and 30mm deep with a U shape profile and a topsoil (001) fill	Plough Scars
004	TR19	Cut	Rectangular in plan aligned NNW-SSE with sloping sides and a flat base, measuring 5m by 900mm and 160mm in depth.	Modern disturbance
005	TR19	Fill	Fairly compact mid-brown silty clay with occasional small stone inclusions and flecks of charcoal and a shard of modern glass.	Fill of (004)
006	TR23	Feature	Linear feature aligned NE-SW measuring 90mm wide with a mixed topsoil and subsoil fill around a ceramic U shaped tile	Field Drain
007	TR's 23, 24, 25, 26, 28, 29	Feature	Linear feature aligned N-S measuring 1.4m wide with vertical sides, containing a 600mm diameter ceramic pipe surrounded by pea gravel	Modern Utility
008		Deposit	Loosely compact light brown sand	Natural Subsoil
009	TR's 1-14	Deposit	Mid dark brown sandy clay with frequent rootlets, rare small stone inclusions and modern white glazed ceramics	Plough soil
010		Deposit	Very light brown, light grey clay with occasional small –medium sized stone inclusions and occasional patches of degraded stone	Natural Subsoil

Context No.	Area/ Trench	Type	Description	Interpretation
011		Deposit	Mid brown slightly clay sand with occasional yellow sand, occasional small – medium stone inclusions and with modern detritus present (white glaze pottery, ceramic pipe fragments and plastic bags. (situated below (010) and above (012)	Plough soil
012		Deposit	Soft dark brown/black silty clay with frequent small stone inclusions and occasional re deposited subsoil	Disturbed Proto peat formation
013		Feature	Linear feature aligned N-S measuring 190mm containing an orange plastic ridged pipe, 90mm in diameter, within a mix of yellow sand and redeposited natural (010)	Modern Field Drain
014		Deposit	Soft light brown and light to mid grey clay sand with occasional small – medium sized stone inclusions and patches of degraded stone.	Natural Subsoil
015		Feature	Linear feature aligned NW-SE 200mm wide containing a sub-square ceramic pipe 90mm in diameter.	Field Drain
016		Deposit	Mid to dark brown silt clay with occasional rootlets (Same as (012))	Proto Peat formation
017		Feature	Linear feature aligned SW-NE 320mm in width containing a round red ceramic pipe 170mm in diameter, surrounded by re –deposited (012)	Field Drain
018		Deposit	Compact light-mid grey blue clay with rare degraded stone inclusions	Natural Subsoil
019		Deposit	Compact mid brown clay silt with occasional small stone inclusions and white glaze pottery an occasional clasts of redeposited (018)	Lower ploughsoil
020		Feature	Linear feature aligned NW-SE measuring 900mm wide filled by a mixture of (016) and (012) with frequent white glaze pottery and green glass present.	Modern field drain
021			Void	
022			Void	
023		Feature	Linear feature aligned NW-SE measuring 1.4m wide with its fill consisting of redeposited (012) and (016) and containing frequent sherds of modern white ceramic pottery and ceramic drain	Modern field drain
024		Deposit	Soft Yellow/pale pink sand	Natural Subsoil

Context No.	Area/ Trench	Type	Description	Interpretation
025		Feature	Linear feature aligned SW-NE measuring 1m wide containing a plastic field drain pipe 170mm in diameter	Modern Field Drain
026	TR11	Feature	Linear feature aligned N-S measuring 500mm wide containing a yellow ridged plastic pipe 150mm in diameter surrounding by rounded small grey pebbles	Modern Utility
027	TR12	Feature	Same as (026)	Modern Utility
028	TR14	Feature	Linear feature aligned N-S measuring 180mm wide filled with medium sized angular stones	Rubble Field Drain

Finds Register

Find No.	Area/ Trench	Context No.	Material Type	Description	Excavator	Date
1		001	Ceramic	Modern Ceramic sherds x 5	DIG	07/10/15

Photographic Register

Image No.	Digital	Description	From	Date
001	5001	Shot of Trench 15	NE	30/09/15
002	5002	Shot of Trench 16	SW	30/09/15
003	5003	Shot of Trench 17	ENE	30/09/15
004	5004	Shot of Trench 18	WNW	30/09/15
005	5005	Shot of Trench 19	NW	30/09/15
006	5006	Shot of feature [004], Trench 19	SSE	01/10/15
007	5008	Shot of feature [004], Trench 19	NNW	01/10/15

Image No.	Digital	Description	From	Date
008	5009	SSE facing section of [004], Trench 19	SSE	01/10/15
009	5010	Shot of plough scar (003), Trench 17	NE	01/10/15
010	5011	Shot of Trench 20	SE	01/10/15
011	5012	Shot of Trench 21	NW	01/10/15
012	5013	Shot of Trench 22	SE	01/10/15
013	5014	Shot of Trench 23	NW	01/10/15
014	5015	Shot of Trench 24	NW	01/10/15
015	5016	Section showing profile of field drain (006)	SW	01/10/15
016	5017	Shot of Trench 25	NNE	01/10/15
017	5018	Shot of Trench 26	SSW	01/10/15
018	5019	General post excavation shot of trenches, area 2	-	01/10/15
019	5020	General post excavation shot of trenches, area 2	-	01/10/15
020	5021	General post excavation shot of trenches, area 2	-	01/10/15
021	5022	General post excavation shot of trenches, area 2	-	01/10/15
022	5023	Shot of Trench 27	NW	01/10/15
023	5024	Shot of Trench 28	NNE	01/10/15
024	5025	Shot of Trench 29	NNE	01/10/15
025	5026	Shot of Trench 30	NNE	01/10/15
026	5027	Shot of Trench 31	NW	01/10/15
027	5028	Shot of pipe [007], Trench 29 (close to surface)	W	06/10/15
028	5029	Shot of Trench 1	SE	06/10/15
029	5030	Shot of Trench 2	E	06/10/15

Image No.	Digital	Description	From	Date
030	5031	Shot of Trench 3	W	06/10/15
031	5032	Style drain [013] at E end of Trench 3	W	06/10/15
032	5033	Close up of style drain [013] at E end of Trench 3	SW	06/10/15
033	5034	Shot of Trench 3	E	06/10/15
034	5035	Style drain [013] at centre of Trench 4	W	06/10/15
035	5036	Close up of style drain [013] at centre of Trench 4	SW	06/10/15
036	5037	Style drain [013] at W end of Trench 4	W	06/10/15
037	5038	Close up of style drain [013] at W end of Trench 4	SW	06/10/15
038	5039	Style drain [017] at centre of Trench 4	W	06/10/15
039	5040	Close up of style drain [017] at centre of Trench 4	WNW	06/10/15
040	5041	Shot of Trench 4	E	06/10/15
041	5042	Shot of Trench 5	W	06/10/15
042	5043	Shot of Trench 6	E	07/10/15
043	5044	Style drain [015] at W end of Trench 6	E	07/10/15
044	5045	Close up of style drain [015] at W end of Trench 6	ENE	07/10/15
045	5046	Shot of Trench 7	W	07/10/15
046	5047	Slot through feature [021] located centrally within Trench 7	E	07/10/15
047	5048	N facing section of feature [021]. Trench 7	N	07/10/15
048	5049	Shot of Trench 8	W	07/10/15
049	5050	Shot of Trench 9	E	07/10/15
050	5051	Shot of Trench 11	E	07/10/15
051	5052	Close up of style drain [026] at centre of Trench 11	E	07/10/15

Image No.	Digital	Description	From	Date
052	5053	Style drain [026] at W end of Trench 11	ENE	07/10/15
053	5054	Shot of Trench 12	W	07/10/15
054	5055	Shot of Trench 14	NW	07/10/15
055	5056	Shot of Trench 13	SW	07/10/15
056	5057	Shot of Trench 10	SE	07/10/15

Drawing Register

Drawing No.	Sheet No.	Drawing Type	Scale	Description	Drawer	Date
1	1	Plan	1:100	Plan of Trench 15	CW	30/09/15
2	1	Plan	1:100	Plan of Trench 16	CW	30/09/15
3	1	Plan	1:100	Plan of Trench 17	CW	30/09/15
4	1	Plan	1:100	Plan of Trench 18	CW	30/09/15
5	1	Plan	1:100	Plan of Trench 19	CW	30/09/15
6	1	Plan	1:100	Plan of Trench 20	CW	30/09/15
7	1	Plan	1:100	Plan of Trench 21	CW	30/09/15
8	1	Plan	1:100	Plan of Trench 22	CW	30/09/15
9	1	Plan	1:100	Plan of Trench 23	CW	30/09/15
10	2	Plan	1:100	Plan of Trench 24	CW	01/10/15
11	2	Plan	1:100	Plan of Trench 25	CW	01/10/15
12	2	Plan	1:100	Plan of Trench 26	CW	01/10/15
13	2	Plan	1:100	Plan of Trench 27	CW	02/10/15

Drawing No.	Sheet No.	Drawing Type	Scale	Description	Drawer	Date
14	2	Plan	1:100	Plan of Trench 28	CW	02/10/15
15	2	Plan	1:100	Plan of Trench 29	CW	02/10/15
16	2	Plan	1:100	Plan of Trench 28	CW	02/10/15
17	2	Plan	1:100	Plan of Trench 30	CW	02/10/15
18	2	Plan	1:100	Plan of Trench 31	CW	02/10/15
19	3	Plan	1:100	Plan of Trench 1	DIG	06/10/15
20	3	Plan	1:100	Plan of Trench 2	DIG	06/10/15
21	3	Plan	1:100	Plan of Trench 3	DIG	06/10/15
22	3	Plan	1:100	Plan of Trench 4	DIG	06/10/15
23	3	Plan	1:100	Plan of Trench 5	DIG	06/10/15
24	4	Plan	1:100	Plan of Trench 6	DIG	07/10/15
25	4	Plan	1:100	Plan of Trench 7	DIG	07/10/15
26	4	Plan	1:100	Plan of Trench 8	DIG	07/10/15
27	4	Plan	1:100	Plan of Trench 9	DIG	07/10/15
28	4	Plan	1:100	Plan of Trench 11	DIG	07/10/15
29	4	Plan	1:100	Plan of Trench 12	DIG	07/10/15
30	4	Plan	1:100	Plan of Trench 14	DIG	07/10/15
31	4	Plan	1:100	Plan of Trench 13	DIG	07/10/15
32	4	Plan	1:100	Plan of Trench 10	DIG	07/10/15

Appendix 3: Discovery & Excavation in Scotland

LOCAL AUTHORITY:	Renfrewshire
PROJECT TITLE/SITE NAME:	Bishopton Royal Ordnance Factory, M8 Junction
PROJECT CODE:	RA10002
PARISH:	Erskine
NAME OF CONTRIBUTOR:	Douglas Gordon
NAME OF ORGANISATION:	Rathmell Archaeology Limited
TYPE(S) OF PROJECT:	Evaluation
NMRS NO(S):	-
SITE/MONUMENT TYPE(S):	None
SIGNIFICANT FINDS:	None
NGR (2 letters, 8 or 10 figures)	NS 9521 4149
START DATE (this season)	30h September 2015
END DATE (this season)	7th October 2015
PREVIOUS WORK (incl. *DES* ref.)	None
MAIN (NARRATIVE) DESCRIPTION: (may include information from other fields)	A programme of archaeological investigative works was carried out for BAE Systems PLC respect the proposed new M8 Junction. The archaeological works were designed to determine the archaeological potential of the development area and hence inform the specification for mitigation of the impact on the archaeological remains within the development area. The archaeological investigative works consisted of an intrusive evaluation which was designed to assess an 8% sample of the proposed development area. The works were carried out between 30th September and the 7th October 2015, with a total of 31 trenches excavated. The works did not identify any significant archaeology present within the Trenches
PROPOSED FUTURE WORK:	None
CAPTION(S) FOR ILLUSTRS:	None
SPONSOR OR FUNDING BODY:	BAE Systems PLC
ADDRESS OF MAIN CONTRIBUTOR:	Unit 8 Ashgrove Workshops, Kilwinning, Ayrshire KA13 6PU
EMAIL ADDRESS:	contact@rathmell-arch.co.uk
ARCHIVE LOCATION (intended/deposited)	Report to West of Scotland Archaeology Service and archive to HES Collections.

Contact Details

31. Rathmell Archaeology can be contacted at our Registered Office or through the web:

Rathmell Archaeology Ltd
Unit 8 Ashgrove Workshops
Kilwinning
Ayrshire
KA13 6PU

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t.: 01294 542848
f.: 01294 542849
e.: contact@rathmell-arch.co.uk

32. The West of Scotland Archaeology Service can be contacted at their office or through the web:

West of Scotland Archaeology Service
231 George Street
Glasgow
G1 1RX

www.wosas.org.uk
t.: 0141 287 8330
e.:enquiries@wosas.glasgow.gov.uk

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