

A9 Loaninghead Junction: Archaeological Evaluation

Data Structure Report

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1 Overview

- 1.1 This Data Structure Report presents the findings for archaeological investigative works required by Muir Homes in respect to the proposed plan for the A9 Loaninghead Junction Development, Auchterader. These works are designed to inform the planning process on the archaeological remains present and hence to facilitate the development of mitigation of any adverse impact on the archaeological remains within their proposed development area.
- 1.2 The findings presented below inform on the character of any archaeologically significant features occurring within the proposed development area and the appropriateness or requirement for further archaeological works. The character of such further stages of work will need to be agreed with Perth and Kinross Heritage Trust and Perth and Kinross Council.
- 1.3 The development area currently comprises fallow pastoral ground, and is in proximity to five Scheduled Monuments, protected under the terms of the Ancient Monuments and Archaeological Areas Act 1979. However, no element of the development overlies these defined scheduled areas. The assessment of the potential for adverse impact on the setting of these Scheduled Monuments is not an element of this project.
- 1.4 Rathmell Archaeology Limited has been appointed by Terrenus Consulting Ltd and Dougall Baillie Associates Limited on behalf of Muir Homes to undertake the programme of investigative works which will establish the baseline of archaeological information within the proposed development area.

2 Project Works

- 2.1 The programme of works commenced with an archaeological evaluation through machine cut trenches extending to 5% of the identified impact areas of the development proposal, which measures some 2.33ha in extent. In total 1167m² of linear trenching was excavated, slightly exceeding the 5% required for the study area.
- 2.2 Placement of the evaluation trenches was largely in keeping with the trench plan submitted within the Method Statement (Matthews 2008). With the exception of three of the trenches over the proposed SUDS area, these were repositioned due to the presence of an overhead electricity line and an underground water pipe.
- 2.3 The majority of exposed features were investigated and evaluated to determine their archaeological significance; the on-site works took place from the 21st to the 23rd October 2008. All works were conducted in accordance with the Institute of Field Archaeology's Standards and Policy Statements and Code of Conduct and Historic Scotland Policy Statements.

3 Archaeological and Historical Background

3.1 *Known Archaeology and Scheduled Ancient Monuments*

- 3.1.1 In close proximity to the development area there are five Scheduled Ancient Monuments (SAMs). The Loaninghead symbol stone (AMH 2252) is a Class 1 Symbol Stone decorated with an incised rectangle and a goose whose head looks over its shoulder. To the immediate southwest of the symbol stone is the Peterhead enclosure (AMH 7592) which was identified as a cropmark from oblique aerial photographs, it appears to be an Iron Age enclosure. To the south of the site is another enclosure (AMH 4073) which was also identified from an aerial photograph and measures 45m in diameter. Also to the south at the west end of the study area is a second standing stone (AMH 4061). The last SAM is situated 200m to the north of the site beyond the A9, Loaninghead Fort (AMH 7593) which is a multivallate fort
- 3.1.2 The only known archaeology within the development area are three buildings (NMRS NN90NW.39 & NN90NW41) which are depicted on the First Edition Ordnance Survey map of 1866 as three roofed buildings.(Figure 1b). However, the location of these structures is now



Figure 1a: Military Survey of Scotland, Roy 1747-55

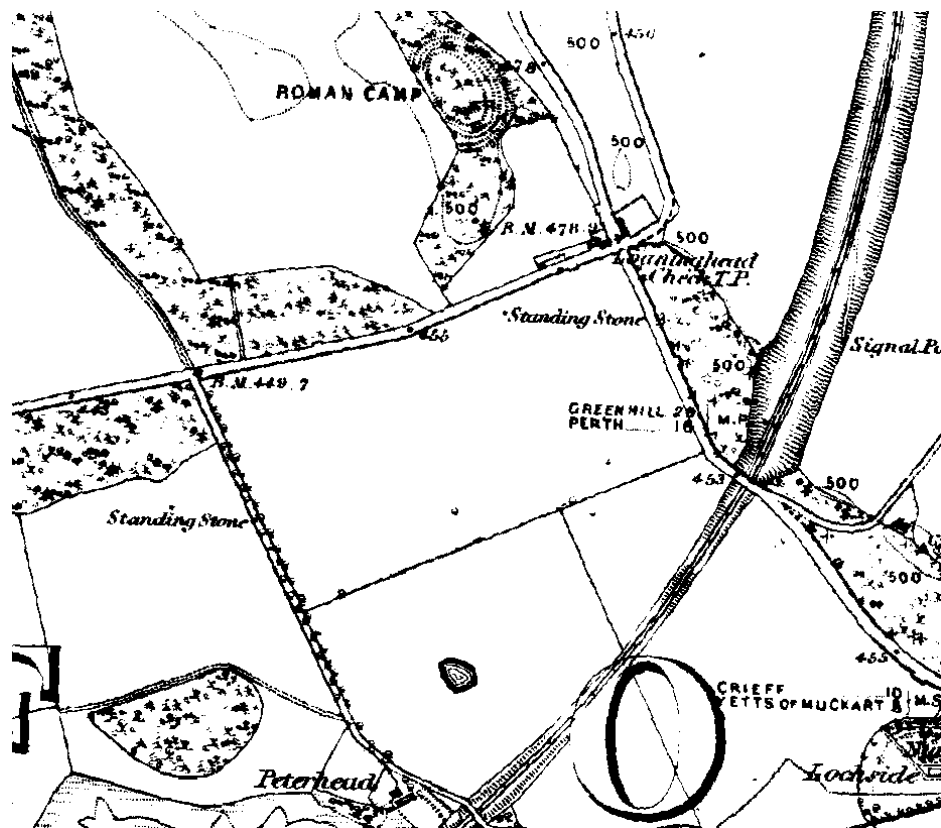


Figure 1b: 1st edition Ordnance Survey

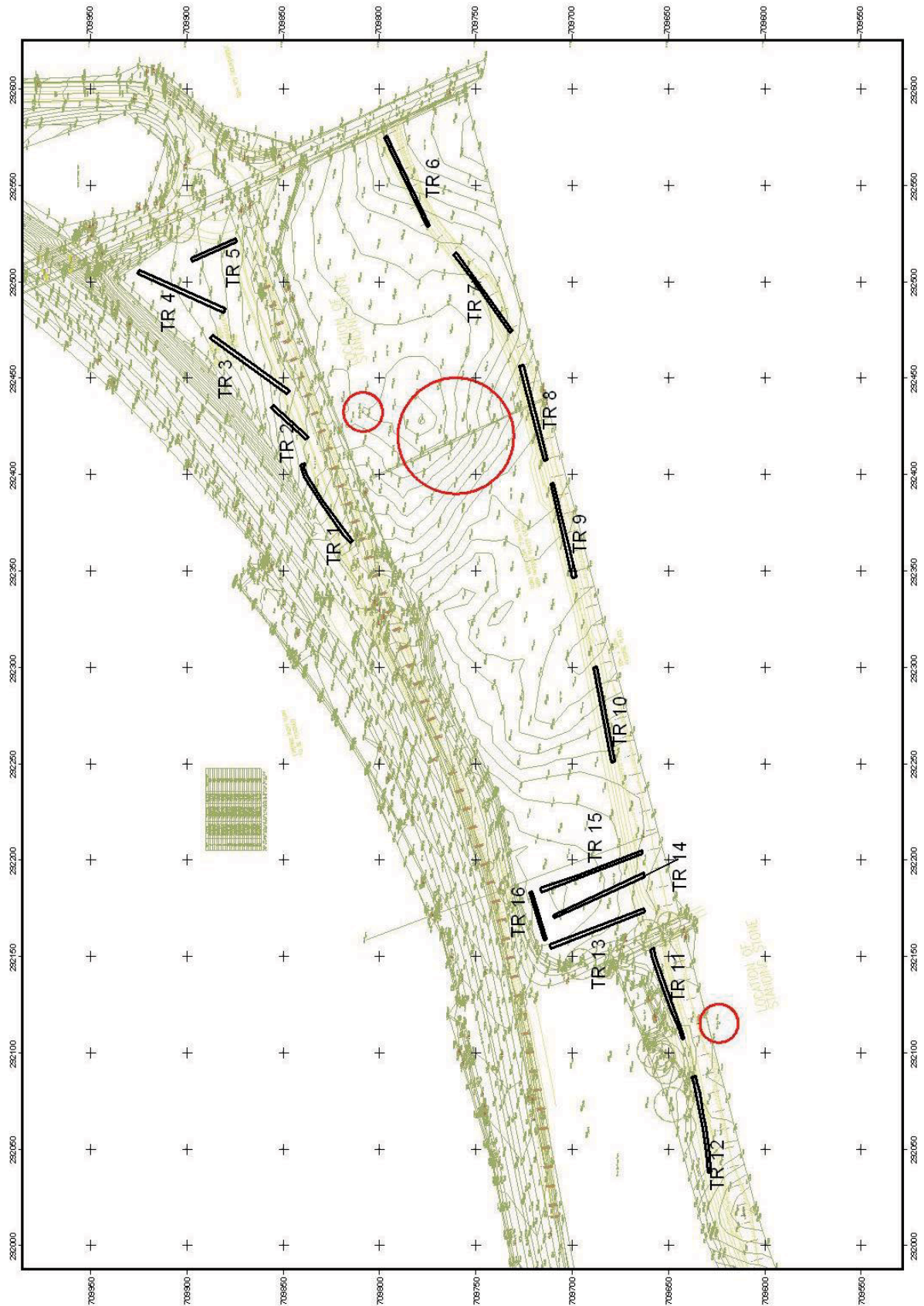


Figure 2: Trench Layout as machined and surveyed overlain on a base of the current topography (Trenches in black, SAMs in Red)

overlain by the modern road network, suggesting the wholesale loss of these structures.

3.2 *Previous Archaeological Work*

- 3.2.1 A resistivity survey around the Symbol Stone (AMH 2252) was carried out in August 2008 by Dr. Meggen Gondek, University of Chester, which was in association with the Strathearn Environs and Royal Forteviot Project (SERF). The survey confirmed the presence of the enclosure (AMH 7592) and revealed a series of potential features such as a possible roundhouse, a cairn around the symbol stone, as well as potential Pictish type square burial monuments (Gondek 2008).
- 3.2.2 A small investigative trench (5m by 1.5m) was dug by Dr Gondek over part of the possible roundhouse. This trench confirmed the presence of a curvilinear ditch, which was truncated being only 100mm deep; although no secure datable material was recovered. This investigation indicates the validity of the interpretation of the results from the resistivity survey.
- 3.2.3 Unfortunately the resistivity survey substantially does not cover any element of the study area and hence does not inform on the character of the area evaluated by the intrusive trenches reported on here. The exception is Trench 8 which just clips the edge of the south eastern corner of the resistivity survey, in close proximity to a recent site investigation pit. However, there were no identified anomalies at this location.

4 Findings: Evaluation trenches

- 4.1 Sixteen evaluation trenches were opened across the development area. Full descriptions of each are contained in the appendices at the end of this report. Included below is a synthesis of the findings and interpretation from these trenches.
- 4.2 The topsoil across the site [001] ranged between 210mm to 450mm in depth, though typically it was no deeper than 300mm. The natural subsoil was predominantly variable sands and clay; although in some locations silt subsoil was exposed. Bioturbation was evident in most trenches, primarily in the form of rabbit burrows.
- 4.3 *Linear features*
 - 4.3.1 Two trenches (Trenches 11 & 12) contained potentially significant archaeological features. Within Trench 11 (Figure 3e) a linear feature [1103] was noted at +6.6m, which measured 0.4m and 0.2m deep, with a grey brown silty clay fill [1104], it was aligned roughly NE-SW with steep sloping sides and a rounded base. A second linear [1105], was also present at +13.2m, with a compact light greyish brown sandy clay upper fill [1106] and a pale grey brown sandy clay lower fill. [1105] was aligned NNW-SSE and measured 2.2m by 0.46m deep (Figure 3g).
 - 4.3.2 Trench 12 (Figure 3f) revealed a further two linear features [1204] at +31.6m and [1207] at +43.9m. [1204] was aligned NNW-SSE and measured 0.39m wide and 0.12m deep, with a reddish brown sand fill [1205]. While [1207] was aligned NW-SE and measured 0.37m wide and 0.13m deep, with a reddish brown silty sand fill [1208].
- 4.4 *Agricultural features*
 - 4.4.1 Thin linears [1005], [1604-06] were evident in the upper surface of the underlying subsoil and recorded in Trenches 10 and 16, in addition similar though highly ephemeral linears were present in other trenches. In general they measured between 50mm and 20mm wide. The alignment of these linears varied across the trenches.
- 4.5 *Artefacts*
 - 4.5.1 No artefacts were recovered during the evaluation though modern detritus (late nineteenth and twentieth century material) was observed within the topsoil in most trenches.
- 4.6 *Modern Disturbance*
 - 4.6.1 Within Trenches 1-4 there were several features which were identified as modern (late nineteenth and twentieth century) based either through their form or inclusions. These were



Figure 3a: Trench 1



Figure 3b: Trench 5



Figure 3c: Trench 6



Figure 3d: Trench 7



Figure 3e: Trench 11



Figure 3f: Trench 12



Figure 3g: Feature [1105]



Figure 3h: Peterhead Standing Stone

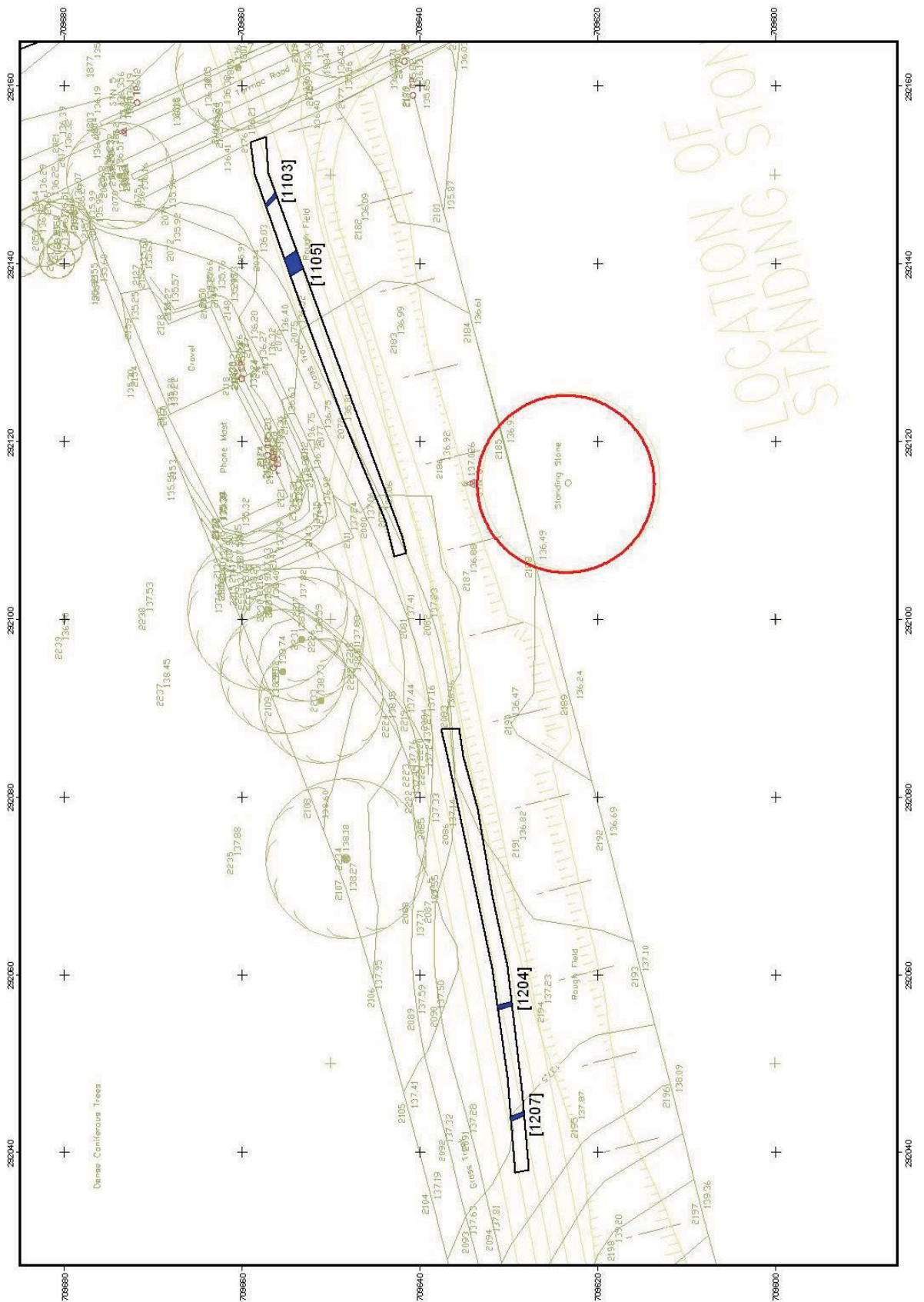


Figure 4: Features [1103], [1105], [1204] and [1207]

pits or linear features which contained modern white glaze pottery ceramic building material and reinforced concrete.

- 4.6.2 Within Trench 5 there was also evidence of modern disturbance from +14.2m to +19.9m, this appeared to be demolition rubble for the most part which contained concrete and slate (505).

5 Discussion

5.1 *Significant Archaeological Features*

- 5.1.1 A series of linear features were uncovered within Trenches 11 and 12. Of particular note was feature [1105], which appears to be a ditch that was allowed to silt up, unfortunately no datable material was recovered from the fills of the feature (1106), (1107). However given its form and its location in proximity to the Peterhead Standing Stone (AMH 4061) it has the potential to be prehistoric in origin. Indeed this may be part of an enclosure or other landscape division designed in association with the adjacent standing stone. Clearly, without further archaeological investigation this is inference and potential.
- 5.1.2 [1103] which was also within Trench 11, this linear was only 0.4m wide by 0.2m deep and within seven metres of [1105]. This feature is quite ephemeral, and while appears to be of antiquity, no dateable material was recovered and without further archaeological investigation it would be impossible to give any firm date.
- 5.1.3 [1204] and [1207] which are the remaining two linear features, were similar in form being 0.39m by 0.12m in depth and 0.37m by 0.13m in depth, respectively, with U shaped sections. As with [1103] and [1105] no datable material was recovered.
- 5.1.4 All these identified linear features are aligned roughly NE to SW (see Figure 4) and as exposed within the trenches they appear to run in straight lines. Clearly this last point is limited in its accuracy by the breadth of the trenches (1.6m) which limits the judgement of overall areal form of linear features. These common characteristics could mean that these features could be agricultural in origin, potentially three furrows from a rig and furrow system and a head ditch. However, rig and furrow systems are a regularised system and given the depth of the features identified it is uncertain why any intervening furrows had been lost which these three survived.
- 5.1.5 On balance there is the potential that these four features derive from post-medieval agricultural practices in the area. However, given the character of the survival of these linear features and their proximity to the Peterhead Standing Stone, it is credible that they may have a prehistoric origin. However without further archaeological works this remains unsubstantiated.

5.2 *Agricultural Features*

- 5.2.1 The thin linears [1005], [1604-6], that were evident in Trenches 10 and 16 are most likely to be plough scars from the cultivation of the field.
- 5.2.2 Comparable features were also recorded in the trench excavated to during the resistivity survey, which were also interpreted as plough scars.

5.3 *Modern Disturbance*

- 5.3.1 The demolition material uncovered within Trench 5 (Figure 3b) may be a spread of material that relates to the demolition of the more western of the two buildings (NMRS NN90NW.39) depicted on the 1st Edition Ordnance Survey map of 1866 (Figure 1b).

6 Recommendations

- 6.1 The evaluation identified a range of potentially significant features within Trenches 11 and 12 which lie at the western end of the ground evaluated. The central and eastern portions of the development did not contain identified significant remains – although they remain in close proximity to a range of Scheduled Ancient Monuments which resistivity survey has evidenced further associated features outwith the area of the scheduling.

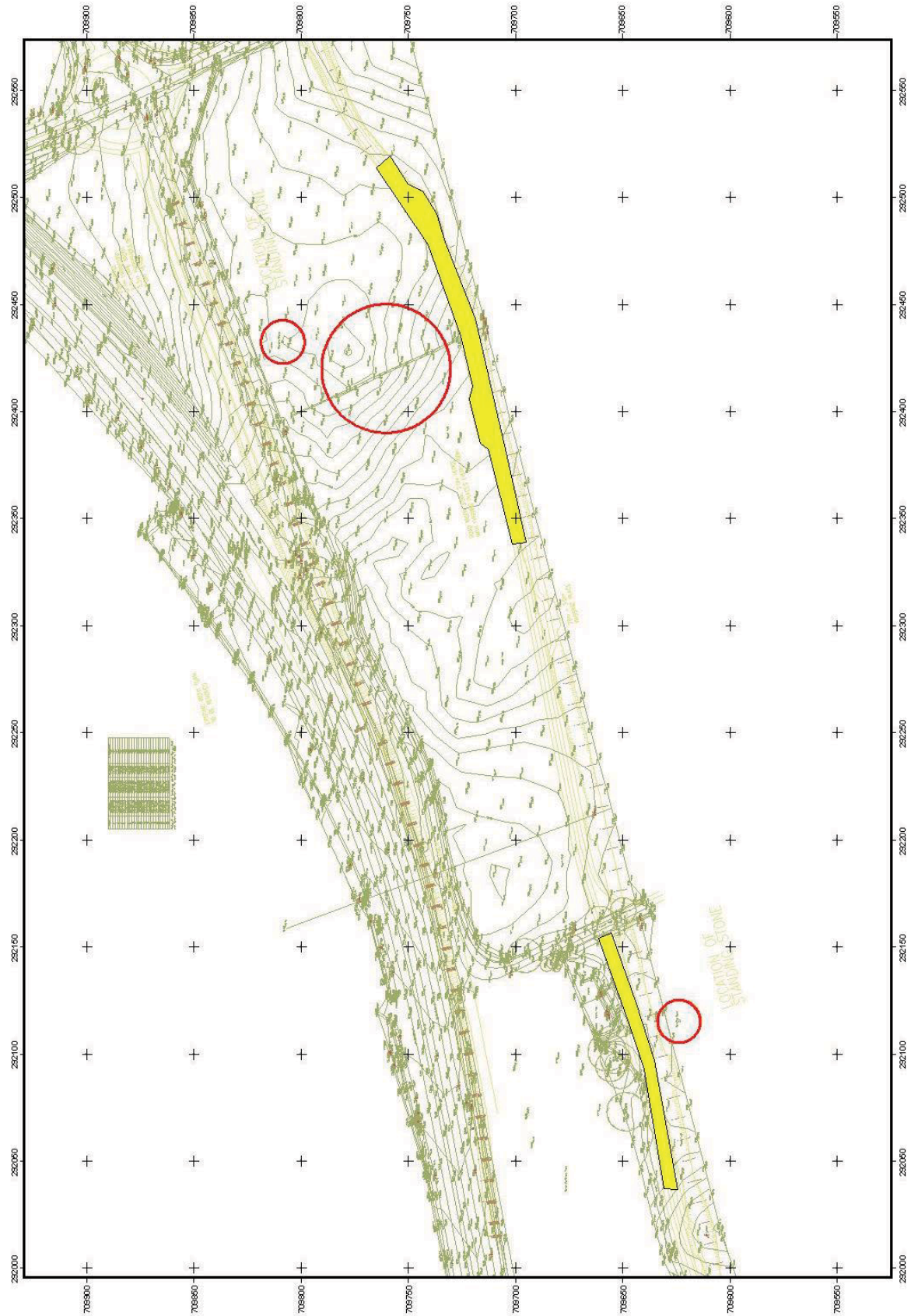


Figure 5: Sensitive Areas

- 6.2 We recommend that should the road construction, associated planting and SUDS scheme go ahead then a programme of archaeological works should be undertaken. Such a programme should be targeted at the likely risk areas as evidenced by the known archaeology.
- 6.3 Based on current evidence we propose that no further works are appropriate with regard to the (i) reworking of the northern road, (ii) the northern planting and (iii) the SUDS scheme. These areas all proved to have an absence of archaeology during the evaluation and are at distance from the known archaeology.
- 6.4 The roadway as it strikes west from the existing minor road (location of Trenches 11 & 12) is an area of archaeological potential as evidenced by the evaluation. Further, while there were no findings within the evaluation trenches, the portion of road covered by Trenches 7, 8 & 9 are in such close proximity to a SAM that there is the reasonable potential for small discrete archaeological features to be present in this area that may reasonably have been missed by the placing of the evaluation trenches.
- 6.5 Hence further on-site works are recommended in these two areas (see Figure 5). The scale of such works should be agreed through a Written Scheme of Investigation submitted by the developer for agreement with the planning authority. We would propose that the Written Scheme of Investigation would feature the following elements:
- a. An archaeologically led monitored topsoil strip of the roadline in the two identified sensitive areas (see Figure 5) in advance of the construction works reaching this ground. These works will ensure that any buried features which would be disturbed by the construction of the roadways can be identified and recorded as appropriate in advance;
 - b. Provision would be made for the excavation and recording of any archaeological remains identified during monitored topsoil strip. This provision would include the consequent production of written reports on the findings of the work, with post-excavation analyses and publication of the results of the work where appropriate;
- 6.6 All works should comply with Perth & Kinross Heritage Trust Standard Conditions, the Institute of Field Archaeology's Standards and Policy Statements & Code of Conduct and Historic Scotland Policy Statements.

7 Conclusion

- 7.1 A programme of archaeological investigative works was undertaken in respect of the proposed plan for the A9 Loaninghead Junction Development, Auchterader. (Centred NGR NN 9233 0975). This development area contains no known archaeological sites, other than a small group of structures shown on the 1st edition Ordnance Survey, but is in close proximity to four Scheduled Ancient Monuments. The evaluation, comprising sixteen trenches, was carried out between the 21st and 23rd of October 2008.
- 7.2 A series of four negative linear features of potential archaeological significance were recorded during in the course of the evaluation to the immediate north of Peterhead Standing Stone, at the western end of the evaluation area. These linear features were generally aligned N-S and appears to have been open ditches. Elsewhere, modern features and plough scrapes were noted but no features of potential significance.
- 7.3 The proximity to the Scheduled Ancient Monuments and the recovery of potentially significant features has led to the identification of two archaeologically sensitive areas where further works have been recommended in the course of the development should it proceed. The appropriateness, scale and character of these works are subject to the agreement of Parth & Kinross Council and their archaeological advisors Perth & Kinross Heritage Trust.

8 References

8.1 *Documentary*

Gondek	2008	<i>'Report on the Geophysical Survey around the Peterhead Farm Symbol Stone, Blackford, Perthshire'</i> University of Chester
Matthews	2008	<i>'A9 Gleneagles Link: Archaeological Evaluation, Method Statement'</i>
SODev	1994	<i>National Planning Policy Guideline 5, Archaeology and planning</i> , Scottish Office Development Department.
SOEnd	1994	<i>Planning Advice Note 42, Archaeology</i> , Scottish Office Environmental Department.

8.2 *Cartographic*

Ordnance Survey	1866	Perthshire, 1 st edition map, 6 inch, sheet CXVIII
Ordnance Survey	1903	Stirling, 3 rd edition map 1:10560, sheet XXXIX
Ordnance Survey	1927	Perth & Strathearn, 1:10560, sheet LXIII
Roy	1747-55	Military Survey of Scotland

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. See Figure 2 for trench locations.

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
1	SW – NE	50m x 1.6m	220mm to 300mm	Subsoil (102), a compact dark brown clayey silt with frequent rounded small stones, is present until +27m before changing to subsoil (107), a dark reddish brown sandy clayey silt with frequent small rounded stones, for the rest of the trench	Modern pit [103], occurs at +12m and ends at +19m Modern pit [105], occurs at +21.4m and ends at +27.1m Modern pit [108], occurs at +31m and ends at +37m	None	None
2	SW - NE	22.6m x 1.6m	250mm to 330mm	Subsoil (202), a mottled red brown/dark brown sandy clay silt with frequent small rounded stones and angular pieces of sandstone, and some larger boulders, is present for the whole of the trench	Modern ditch [203] running E-W, 0.5m wide, occurs at +8.4m	None	None
3	SW - NE	50m x 1.6m	200mm to 400mm	Subsoil (302), a compact dark red-brown sandy clay-silt with frequent stone inclusions, is present until +13m before changing to subsoil (305), a compact red brown silty sand with occasional stone inclusions, is present until +20.6m before changing to subsoil (306), a very stony band with larger boulders and frequent smaller angular stones and cobbles	Modern ditch [303] running E-W, 0.4m wide occurring at +6.5m. Modern ditch [307] running NW-SE, 3m wide and 0.25m deep occurring at +32m	None	None
4	SW - NE	50m x 1.6m		Subsoil (402), a compact sandy clay with frequent small stone inclusions is present across the whole trench	Machine tracks (403) and (404) occur at +5.7m and +12.3m respectively. Modern ditch/gully	None	None

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
					[405], 3m wide and used as fence infill occurs at +16.8m		
5	NW - SE	25.3 x 1.6m m	400mm	Subsoil (502), a red/dark brown sandy clay silt with frequent stone inclusions, is present until +19.7m before a dump of modern demolition debris is present for the rest of the trench	Modern ground disturbance (503) occurs at +14.2m until +19.9m	None	None
6	WSW – ENE	50m x 1.6m	220mm to 360mm	Subsoil (602), a moderately compacted red brown sandy silt with occasional small stone inclusions, containing lenses of pale sand (603) and loose reddish brown gravel (604) is present until +28.9m before changing to subsoil (605), a compact dark reddish brown sandy clay silt with frequent small rounded stone and occasional medium cobble inclusions, for the rest of the trench.	None	None	None
7	SW – NE	50.1 x 1.6m m	300mm to 330mm	Subsoil (702), a moderately compacted reddish brown sandy silt with bands of occasional and frequent small stone inclusions and occasional large stone inclusions, containing lenses of pale pink sand, is present across the whole trench	None	None	None
8	WSW – ENE	50.2m x 1.6m	270mm to 330mm	Subsoil (802), moderately compacted reddish brown sandy silt with occasional small stone inclusions, is present until +10.2m before changing to subsoil (803), a loose reddish brown gravelly sand containing a lens of pink silty clay, until +27.8m before changing back to subsoil (802) for the rest of the trench	None	None	None
9	WSW – ENE	50m x	250mm	Subsoil (902), a moderately compacted	None	None	None

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
		1.6m	to 300mm	reddish brown sandy silt with occasional small stone inclusions, is present until +46m before changing to subsoil (904), a compact pinkish brown clay sand with occasional small stone inclusions. Within subsoil (902), bands of subsoil (903), a loose reddish brown gravelly sand, occur between +25.2m and +28.5m; +31m and +34.2m; and +43.3m and +46m			
10	WSW – ENE	50m x 1.6m	240mm to 340mm	Subsoil (1002), a compact red brown clay sand with a localised spread of gravel and occasional small stone inclusions, is present until +16.2m before changing to subsoil (1003), a moderately compacted reddish brown sandy gravel, until +18.7m before changing to (1004) for the rest of the trench. Within subsoil (1004) there are bands and patches of subsoil (1003), occurring at +31m to +32.7m; +35m to +36.7m, and 1m out from NNW edge of trench; +42.6m and +43.6m running SW-NE	Plough scarring at +39.3m – 3m long, 50mm wide and 20mm deep	None	None
11	WSW – ENE	50m x 1.6m	250mm to 450mm	Subsoil (1102), a dark brown silty sand with frequent small stone inclusions is present until +15.8m before changing to subsoil (1108), a red brown gravel with frequent stone inclusions and occasional large stones, until +36.4m before changing to subsoil (1109), a red brown sand until +43m, before changing to subsoil (1108) for the rest of the trench	None	Linear feature – probable ditch – [1103], running NE-SW, approx 0.4m wide and 0.2m deep occurring at +6.6m. Ditch [1105] running NNW-SSE, 2.2m wide and 0.46m deep, occurring at +13.2 to +15.8m	None

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
12	E – W	50.2 x 1.6m m	280mm to 450mm	Subsoil (1202), a reddish brown silty sand with occasional stone inclusions is present until +36.7m before changing to subsoil (1206), a reddish brown gravel until +42m before changing to subsoil (1209), a reddish brown sand which is present through the rest of the trench. Also, there is a small patch of subsoil (1203), a reddish brown gravel that occurs between +25.2m and +28.7m, and is 0.7m out from the Northern edge of the trench	None	A linear feature [1204], runs SSE-NNW measuring 0.39m by 0.12m, occurring between +31.6m and +32m along the Northern edge of the Trench. A linear feature [1207], runs SE – NW measuring 0.37m by 0.13m, occurring at +43.9m to +44.3m along the Northern edge of the trench	None
13	N – S	50.1m x 1.6m	360mm to 440mm	Subsoil (1302), a reddish brown silty sand with frequent stone inclusions, is present until +11.2m before changing to subsoil (1303), a reddish brown gravelly sand with frequent small stones and occasional large stone inclusions, until +45.9m before changing to subsoil (1304), a reddish brown sand for the rest of the trench	Field drain [1305], running NE-SW and measuring 0.4m wide occurs at +14.4m	None	None
14	N – S	50.2 x 1.6m m	350mm to 370mm	Subsoil (1402), a reddish brown clayey sand with occasional stone inclusions is present until +16.5m before changing to subsoil (1403), a yellowish grey sand with large sandstone inclusions and other dumped materials, until +25.9m before changing to subsoil (1404), a reddish brown coarse sand with lenses of gravel and occasional small stone inclusions, until +47.6m where it	None	None	None

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
				changes to subsoil (1405), a reddish brown sand with occasional stone inclusions, for the rest of the trench.			
15	N – S	54.7m x 1.6m	260mm	Subsoil (1502), a reddish brown silty sand with rare stone inclusions is present until +15.4m before changing to subsoil (1503), a reddish brown sandy gravel with occasional stone inclusions until +41.3m before changing to subsoil (1506), a reddish brown silty sand with frequent stone inclusions	Modern water trench [1504], approx. 0.4m wide, is present running N-S along the Eastern edge of the trench	None	None
16	W – E	26.2m x 1.6m	240mm to 270mm	Subsoil (1602), a reddish brown sand is present across the whole trench, with lenses of subsoil (1603), a reddish brown gravel, occurring at +1.1m and +4.4m	Plough scars (1604), (1605) and (1606) ranging in size from 1m to 11.5m to 4m respectively are present between +2.5m and +3.5m, and +12.2m and +23.6m. Probable field drain [1607], approx 0.5m wide and 0.07m deep occurs in the middle of the trench at +24.4m, running SW-NE	None	None

Appendix 2: Registers

Within this appendix are all registers pertaining to works on-site regardless of the process by which that information was gathered (e.g. evaluation or strip, map & sample).

Context Register

Context No.	Area/ Trench	Type	Description	Interpretation
101	1	Deposit	Moderately compacted, dark brown, clay silt with occasional stone inclusions	Topsoil
102	1	Deposit	Compact dark brown clay silt with frequent rounded small stone inclusions	Subsoil
103	1	Cut	Cut of modern pit	Modern pit
104	1	Fill	Loose dark brown silty clay with modern inclusions including polystyrene, aluminium and modern ceramic	Fill of pit [103]
105	1	Cut	Cut of modern pit	Modern pit
106	1	Fill	Loose dark brown silty clay with modern inclusions including polystyrene, aluminium and modern ceramic	Fill of pit [105]
107	1	Deposit	Dark reddish brown sandy clay silt with frequent small rounded stone inclusions	Subsoil
108	1	Cut	Cut of modern pit	Modern pit
109	1	Fill	Loose dark brown silty clay with modern inclusions including polystyrene, aluminium and modern ceramic	Fill of pit [108]
201	2	Deposit	Moderately compacted, dark brown, clay silt with occasional stone inclusions	Topsoil
202	2	Deposit	Mottled red/dark brown sandy clay silt with frequent small rounded stones and angular pieces of sandstone and some larger boulders	Subsoil
203	2	Cut	Linear feature, 0.5m wide running N-S	Modern ditch
204	2	Fill	Compact dark grey brown silty clay with numerous rounded cobbles	Fill of ditch [203]
301	3	Deposit	Moderately compacted, dark brown, clay silt with occasional stone inclusions	Topsoil
302	3	Deposit	Compact dark reddish brown sandy clay silt with frequent small stones	Subsoil
303	3	Cut	Linear feature, 0.4m wide running E-W	Modern ditch/drain
304	3	Fill	Compact dark brown clay silt	Fill of [303]
305	3	Deposit	Compact reddish brown silty sand with occasional stone	Subsoil

Context No.	Area/ Trench	Type	Description	Interpretation
			inclusions	
306	3	Deposit	Gravel consisting of large boulders, frequent medium angular stones and cobbles	Subsoil
307	3	Cut	Linear, 3m wide and 0.25m deep, with steep sides, running NW-SE	Modern ditch/gully
308	3	Fill	Moderately compacted light brown silty clay with occasional charcoal flecks and frequent rounded cobbles and angular stones	Fill of [307]
401	4	Deposit	Moderately compacted, dark brown, clay silt with occasional stone inclusions	Topsoil
402	4	Deposit	Compact reddish brown sandy clay with frequent small stone inclusions	Subsoil
403	4	Deposit	Black, humic and very moist soil	Machine tracks
404	4	Deposit	Black, humic and very moist soil	Machine tracks
405	4	Cut	Linear feature, 3m wide running NW-SE	Modern ditch/gully for fence posts
406	4	Fill	Compact dark brown silty clay with occasional small stone inclusions	Fill of [405]
407	4	Deposit	Patch of hard standing pushed into surface of subsoil	Machine track – pad of JCB
501	5	Deposit	Moderately compacted, dark brown, clay silt with occasional stone inclusions	Topsoil
502	5	Deposit	Very compact dark reddish brown sandy clay silt with frequent small stone inclusions	Subsoil
503	5	Cut	Possible linear approx 5.5m wide running NW-SE	Modern ground disturbance
504	5	Fill	Compact grey brown clay silt with frequent small stone inclusions	Fill of [503]
505	5	Cut	Possible extent of modern material, other possible edge out with extent of trench	Modern ground disturbance
506	5	Fill	Modern debris containing concrete and slates	Fill of [505]
601	6	Deposit	Loose dark brown sandy silt with occasional very small stones	Topsoil
602	6	Deposit	Moderately compacted reddish brown sandy silt with occasional small stones and rare large stones	Subsoil
603	6	Deposit	Very compact pale pink sand	Subsoil lens
604	6	Deposit	Loose reddish brown sandy gravel consisting mainly of small stones but with occasional large stone inclusions	Subsoil
701	7	Deposit	Loose dark brown sandy silt with occasional very small stones	Topsoil
702	7	Deposit	Moderately compacted reddish brown sandy silt with bands of	Subsoil

Context No.	Area/ Trench	Type	Description	Interpretation
			occasional small stones, frequent small stones and occasional large stone inclusions	
703	7	Deposit	Very compact pale pink sand	Subsoil lens
801	8	Deposit	Loose dark brown sandy silt with occasional very small stones	Topsoil
802	8	Deposit	Moderately compacted reddish brown sandy silt with occasional small stone inclusions	Subsoil
803	8	Deposit	Loose reddish brown gravelly sand with frequent small stone and frequent large stone inclusions	Subsoil
804	8	Deposit	Very compact pink silty clay	Subsoil lens
805	8	Masonry	Line of stone running N-S, measuring 0.6m wide surviving to a depth of 0.36m within the topsoil layer and pressed into the subsoil	Field boundary
901	9	Deposit	Loose dark brown sandy silt with occasional very small stones	Topsoil
902	9	Deposit	Moderately compacted reddish brown sandy silt with occasional small stones and rare medium to large cobbles	Subsoil
903	9	Deposit	Loose reddish brown gravelly sand with frequent small stone inclusions and occasional medium to large cobble inclusions	Subsoil
904	9	Deposit	Compact pinkish brown clayey sand with occasional small stone inclusions	Subsoil
1001	10	Deposit	Loose dark brown sandy silt with occasional very small stones	Topsoil
1002	10	Deposit	Compact reddish brown clayey sand with a localised spread of small stones and gravel	Subsoil
1003	10	Deposit	Moderately compacted reddish brown sandy gravel with occasional large stone inclusions	Subsoil
1004	10	Deposit	Compact clayey sand with rare stone inclusions	Subsoil
1005	10	Deposit	Narrow linear feature, 3m by 0.05m by 0.02m	Plough scar
1101	11	Deposit	Loose dark brown sandy silt with occasional very small stones	Topsoil
1102	11	Deposit	Reddish brown silty sand with frequent small stone inclusions	Subsoil
1103	11	Cut	Shallow linear feature running NE-SW with U-shaped sides and a flat base	Ditch/gully
1104	11	Deposit	Mid grey brown silty clay with frequent small stone inclusions	Fill of [1103]
1105	11	Cut	Linear feature running NNW-SSE, measuring 2.6m by 0.46m and containing two fills	Ditch
1106	11	Deposit	Compact light greyish brown sandy clay with occasional small stone inclusions	Secondary fill of ditch [1105]
1107	11	Deposit	Compact pale grey brown sandy clay with frequent stone	Primary fill of ditch [1105]

Context No.	Area/ Trench	Type	Description	Interpretation
			inclusions	
1108	11	Deposit	Reddish brown gravel with frequent small stone inclusions	Subsoil
1109	11	Deposit	Reddish brown sand	Subsoil
1201	12	Deposit	Loose dark brown sandy silt with occasional very small stones	Topsoil
1202	12	Deposit	Reddish brown silty sand with occasional stone inclusions	Subsoil
1203	12	Deposit	Patch of reddish brown gravel	Subsoil
1204	12	Cut	Linear cut running NNW-SSE and measuring 0.39m by 0.12m	Ditch/gully
1205	12	Fill	Reddish brown sand with occasional stone inclusions	Fill of [1205]
1206	12	Deposit	Reddish brown gravel with frequent stone inclusions	Subsoil
1207	12	Cut	Linear cut running NW-SE and measuring 0.37m by 0.12m	Ditch/gully
1208	12	Fill	Reddish brown silty sand with occasional stone inclusions	Fill of [1207]
1209	12	Deposit	Reddish brown sand	Subsoil
1301	13	Deposit	Loose dark brown sandy silt with occasional very small stones	Topsoil
1302	13	Deposit	Reddish brown silty sand with frequent stone inclusions	Subsoil
1303	13	Deposit	Reddish brown gravelly sand with frequent stone inclusions and occasional large stone inclusions	Subsoil
1304	13	Deposit	Reddish brown sand	Subsoil
1305	13	Cut	Linear cut running SW-NE measuring 0.4m wide	Field drain
1306	13	Fill	Dark reddish brown sandy silt with frequent stone inclusions	Fill of [1305]
1401	14	Deposit	Loose dark brown sandy silt with occasional very small stones	Topsoil
1402	14	Deposit	Reddish brown clayey sand with occasional stone inclusions	Subsoil
1403	14	Deposit	Yellowish grey sand with occasional large sandstone inclusions and dumped material	Modern levelling/hard packing material
1404	14	Deposit	Reddish brown coarse sand with lenses of gravel and occasional small stone inclusions	Subsoil
1405	14	Deposit	Reddish brown sand with occasional stone inclusions	Subsoil
1501	15	Deposit	Loose dark brown sandy silt with occasional very small stones	Topsoil
1502	15	Deposit	Reddish brown silty sand with rare stone inclusions	Subsoil
1503	15	Deposit	Reddish brown sandy gravel with frequent stone inclusions	Subsoil
1504	15	Cut	Linear cut running N-S and measuring 0.4m wide	Water trench
1505	15	Deposit	Compact black silty sand	Fill of [1504]
1506	15	Deposit	Reddish brown silty sand with frequent stone inclusions	Subsoil
1601	16	Deposit	Loose dark brown sandy silt with occasional very small stones	Topsoil
1602	16	Deposit	Reddish brown sand	Subsoil
1603	16	Deposit	Reddish brown gravel	Subsoil lens

Context No.	Area/ Trench	Type	Description	Interpretation
1604	16	Deposit	Dark brown sand	Plough scar
1605	16	Deposit	Dark brown sand	Plough scar
1606	16	Deposit	Dark brown sand	Plough scar
1607	16	Cut	Linear cut running SW-NE and measuring approx 0.5m wide by 0.07m deep with vertical sides	Probable Drain
1608	16	Fill	Dark brown sand	Fill of [1607]

Photographic Register

Image No.	Print		Slide		Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.			
1	1	25	-	-	N part of evaluation area – general view; pre-ex	SW	21/10/08
2	1	24	-	-	N part of evaluation area – general view; pre-ex	NE	21/10/08
3	1	23	-	-	N part of evaluation area – general view; pre-ex	E	21/10/08
4	1	22	-	-	S part of evaluation area – view along line of road	E	21/10/08
5	1	21	-	-	S part of evaluation area – view along line of road	E	21/10/08
6	1	20	-	-	S part of evaluation area – view along line of road	SE	21/10/08
7	1	19	-	-	S part of evaluation area – view along line of road	W	21/10/08
8	1	18	-	-	Ground disturbance in scheduled area	S	21/10/08
9	1	17	-	-	Ground disturbance in scheduled area	N	21/10/08
10	1	16	-	-	General view across scheduled monument to symbol stone and N part of site	SW	21/10/08
11	1	15	-	-	General view from scheduled area to W part of eval site	NE	21/10/08
12	1	14	-	-	Trench 1 – post ex general view	SW	21/10/08
13	1	13	-	-	Trench 1 – post ex general view	NE	21/10/08
14	1	12	-	-	Trench 2 - post ex general view	SW	21/10/08
15	1	11	-	-	Trench 2 - post ex general view	NE	21/10/08
16	1	10	-	-	Trench 3 - post ex general view	SW	21/10/08
17	1	9	-	-	Trench 3 - post ex general view	NE	21/10/08
18	1	8	-	-	Trench 4 - post ex general view	SW	21/10/08
19	1	7	-	-	Trench 4 - post ex general view	NE	21/10/08
20	1	6	-	-	Trench 5 - post ex general view	NW	21/10/08
21	1	5	-	-	Trench 5 - post ex general view	SE	21/10/08
22	1	4	-	-	Trench 6 - post ex general view	WSW	22/10/08

Image No.	Print		Slide		Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.			
23	1	3	-	-	Trench 6 - post ex general view	ENE	22/10/08
24	1	2	-	-	Trench 7 - post ex general view	SW	22/10/08
25	1	1	-	-	Trench 7 - post ex general view	NE	22/10/08
26	2	36	-	-	Central portion of site, pre ex (general view)	SW	22/10/08
27	2	35	-	-	Central portion of site, pre ex (general view)	NW	22/10/08
28	2	34	-	-	Fence line encroaching in scheduled area	NE	22/10/08
29	2	33	-	-	W portion of site, W end pre-ex (general view)	W	22/10/08
30	2	32	-	-	W portion of site, W end pre-ex (general view)	E	22/10/08
31	2	31	-	-	W portion of site, E end pre-ex (general view)	W	22/10/08
32	2	30	-	-	W portion of site, E end pre-ex (general view)	E	22/10/08
33	2	29	-	-	Trench 8 – general view, post-ex	W	22/10/08
34	2	28	-	-	Trench 8 – general view, post-ex	E	22/10/08
35	2	27	-	-	Trench 8 – field boundary (wall) in section	S	22/10/08
36	2	26	-	-	Trench 9 – general, post-ex	WSW	22/10/08
37	2	25	-	-	Trench 9 – general, post-ex	ENE	22/10/08
38	2	24	-	-	Trench 10 – general view post ex	WSW	22/10/08
39	2	23	-	-	Trench 10 - general view post ex	ENE	22/10/08
40	2	22	-	-	Trench 12 - general view post ex	W	23/10/08
41	2	21	-	-	Trench 12 - general view post ex	E	23/10/08
42	2	20	-	-	Trench 11 - general view post ex	W	23/10/08
43	2	19	-	-	Trench 11 - general view post ex	E	23/10/08
44	2	18	-	-	Trench 11 – section of ditch 1105/6/7	N	23/10/08
45	2	17	-	-	Trench 13 - general view post ex	N	23/10/08
46	2	16	-	-	Trench 13 - general view post ex	S	23/10/08
47	2	15	-	-	Trench 14 - general view post ex	S	23/10/08
48	2	14	-	-	Trench 14 - general view post ex	N	23/10/08
49	2	13	-	-	Trench 15 - general view post ex	S	23/10/08
50	2	12	-	-	Trench 15 - general view post ex	N	23/10/08
51	2	11	-	-	Trench 16 - general view post ex	W	23/10/08
52	2	10	-	-	Trench 16 - general view post ex	E	23/10/08

Drawing Register

Drawing No.	Sheet No.	Area/ Trench	Drawing Type	Scale	Description	Drawer	Date
01	1	1	Plan	1:100	Trench 1 – post excavation plan	CLT	21/10/08
02	1	2	Plan	1:100	Trench 2 – post excavation plan	CLT	21/10/08
03	1	3	Plan	1:100	Trench 3 – post excavation plan	CLT	21/10/08
04	1	4	Plan	1:100	Trench 4 – post excavation plan	CLT	21/10/08
05	1	5	Plan	1:100	Trench 5 – post excavation plan	CLT	21/10/08
06	2	6	Plan	1:100	Trench 6 – post excavation plan	CLT	22/10/08
07	2	7	Plan	1:100	Trench 7 – post excavation plan	CLT	22/10/08
08	2	7	Section	1:20	Trench 7 – section through linear boundary	CLT	22/10/08
09	2	8	Plan	1:100	Trench 8 – post excavation plan	CLT	22/10/08
10	2	9	Plan	1:100	Trench 9 – post excavation plan	CLT	22/10/08
11	2	10	Plan	1:100	Trench 10 – post excavation plan	CLT	22/10/08
12	2	11	Plan	1:100	Trench 11 – post excavation plan	CLT	23/10/08
13	2	11	Section	1:50	Trench 11 – N facing section of 1105/1106/1107	CLT	23/10/08
14	3	12	Plan	1:100	Trench 12 – post excavation plan	CLT	23/10/08
15	3	13	Plan	1:100	Trench 13 – post excavation plan	CLT	23/10/08
16	3	14	Plan	1:100	Trench 14 – post excavation plan	CLT	23/10/08
17	3	15	Plan	1:100	Trench 15 – post excavation plan	CLT	23/10/08
18	3	16	Plan	1:100	Trench 16 – post excavation plan	CLT	23/10/08

Appendix 3: Discovery & Excavation in Scotland

LOCAL AUTHORITY:	Perth and Kinross
PROJECT TITLE/SITE NAME:	A9 Gleneagles Link
PARISH:	Blackford
NAME OF CONTRIBUTOR:	Douglas Gordon
NAME OF ORGANISATION:	Rathmell Archaeology Limited
TYPE(S) OF PROJECT:	Evaluation
NMRS NO(S):	NN90NW3, NN90NW26, NN90NW.39, NN90NW41
SITE/MONUMENT TYPE(S):	Ditch, Gullies
SIGNIFICANT FINDS:	None
NGR (2 letters, 6 figures)	NN 9233 0975
START DATE (this season)	21 st October 2008
END DATE (this season)	23 rd October 2008
PREVIOUS WORK (incl. DES ref.)	Geophysical Survey (Resistivity)
PROPOSED FUTURE WORK:	Targeted Excavation
MAIN (NARRATIVE) DESCRIPTION: (may include information from other fields)	<p>A programme of archaeological investigative works was undertaken in respect of the proposed plan for the A9 Loaninghead Junction Development, Auchterader (centred NGR NN 9233 0975). An evaluation, comprising sixteen trenches, was carried out between the 21st and 23rd of October 2008.</p> <p>Four negative features of potential archaeological significance were recorded during in the course of the evaluation. These comprised of linear features, generally aligned N-S</p> <p>Rathmell Archaeology has identified a series of issues that will need to be addressed by the proposed development and outlined a mitigation strategy that may be developed within the context of specific development proposals.</p>
PROJECT CODE:	08040
SPONSOR OR FUNDING BODY:	Muir Homes
ADDRESS OF MAIN CONTRIBUTOR:	8 Ashgrove Workshops, Kilwinning, Ayrshire KA13 6PU
E MAIL:	contact@rathmell-arch.co.uk
ARCHIVE LOCATION (intended/deposited)	Report to Perth and Kinross Heritage Trust and archive to National Monuments Record of Scotland.

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