Highland Archaeology Services Ltd

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Inverness Trunk Relief Road

Watching Brief on Site Investigation

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Watching Brief on Site Investigation

Client	The Highland Council
Date (revision)	8 October 2008
Report No.	HAS081001
Project	HAS/ITL08
Authors	Brendan Malone and John Wood

Contents

Acknowledgements

Highland Archaeology Services would like to thank the Highland Council for commissioning the work, and David Abbott of Scott Wilson, Consulting Engineers, and Steven Houghton of Soil Mechanics for their assistance. Field survey was undertaken by Brendan Malone and John Wood. Mapping is reproduced by permission of the Ordnance Survey under the Company's licence No.100043217.

Summary

An archaeological watching brief was carried out by Highland Archaeology Services on behalf of the Highland Council between 3rd and 24th June 2008 around the south side of Inverness along the proposed route of the new Inverness Trunk Relief Road. The purpose was to identify and record any archaeological features or finds revealed by the excavations for a series of Bore Holes (B.H.) and Trial Pits (T.P.) along the proposed route. There were no archaeological finds or deposits at this stage of excavation but it is recommended that a watching brief is carried out during any further excavations along the route as these initial excavations account for a very small percentage of the overall project.

Introduction

An archaeological watching brief was undertaken during site investigation works for a proposed new dual carriageway relief road to run east – west around the south side of Inverness. This road is intended to leave the present A96 Inverness to Aberdeen road west of the present retail park, and run south of the business and retail park to Inshes, where it is planned to intersect with the A9. It then follows the line of the existing Sir Walter Scott Way before crossing the River Ness and the Caledonian Canal at Bught Park to join the A82 Inverness to Fort William road.

The works observed included boreholes and test pits to test the geology. These all had a very limited footprint. Given the type of archaeology commonly found in the areas affected, which consists largely of evidence of scattered pits of different dates, showing in the subsoil, it is not surprising that little could be seen. The pits also only account for a very small percentage of the area to be uncovered by the eventual road scheme.

This report sets out the conditions, methods of excavation and findings in each Test Pit and Bore Hole.

Site Location

Figure 1: Site Location

Site Context and Background

Inverness has been a centre of political and religious importance since at least the later Iron Age (c.2,600-1,500 years ago). It has a strategically important location at the mouth of the River Ness, where the main communication routes east-west and north-south cross. In particular it commands the entrance to the Great Glen which offers a passage through Scotland from coast to coast. The hillfort on Craig Phadraig is one of several forts that take advantage of this situation. Pictish artefacts were found there during excavations in the 1970s and it may be the site where St Columba was received by the Pictish king Bridei (or Brude) in the 7th c.

Inverness has been a natural trading centre at least since its foundation as a Royal burgh, and although it never grew to the size of Perth or Aberdeen it was always important in Highland terms, effectively forming an outpost of royal power in the north and a base for its expansion north and west.

The present city owes its foundation to a charter of David I granting the status of a Royal burgh in 13th c. This was probably on the site of, or close to, an existing settlement although no firm evidence has yet been found. Inverness Castle may have been founded at the same time, and from parallels elsewhere it seems likely to be on the site of an existing stronghold. The medieval town lay along Church Street, running from the castle to the Old High Church at the western end. The Town Ditch forming the northern boundary ran along the north side of Academy Street; the southern boundary was the river. The new road is intended to relieve traffic pressure in this historic core. The road line itself cuts through the former town fields, where ploughing took place for centuries before 20th c. and 21st c. urban expansion. This has truncated, but not entirely destroyed, evidence of occupation and settlement from the advent of farming some 6000 years ago up to the present.

Two very significant Iron Age settlements have been found in recent years close to the route of the proposed new road, and during the construction of the Inverness Retail park a major Bronze Age burial was discovered. There is therefore a high potential for archaeology along this route.

The Caledonian Canal opened in 1822 with its northern terminus in a sea-lock at Clashnaharry, giving direct access to the west coast for smaller ships. The new road will cross this close to the Bught.

Plate 1 "Prospect of the Town of Innerness" J Slezer 1693

Methods and Results

Desk-based assessment

As part of this assessment the test pit and borehole locations were checked against the on-line National Monuments Record of Scotland (NMRS) as well as the Highland Historic Environment Record. This included a check of the RAF vertical aerial photographs taken between 1945 and 1955, and historic OS mapping. The on-line historic map archive provided by the National Library of Scotland was also consulted. See Bibliography below for further sources.

The new road will run through areas where significant prehistoric archaeology has been found. For example, the Raigmore / Beechwood / Inshes area has produced Neolithic Beakers and stone implements (HHER MHG3674 as well as Bronze and Iron Age evidence. A pit circle noted from aerial photography at Ashton farm Cottages has been scheduled as an ancient monument. (HHER MHG3684) ; while Bronze and Iron Age settlement evidence was discovered in the Balloan / Castle heather area HHER MHG3081; MHG3088; MHG3096; MHG3772; MHG45674;MHG45675). Nearby, at Glendruidh, a possible neolithic building was recorded (HHER MHG4330). At Culduthel and Knocknagael, Bronze Age cist burials have been noted (e.g HHER MHG3779; MHG3782; MHG40902) and at Culduthel farm, a major Iron Age settlement and metal-working site has been identified (HHER MHG49950).

However the above archaeology survives mainly in truncated form as a result of ploughing over many centuries. When the existing Southern Distributor Road (Sir Walter Scott Way) was under construction, it became clear that much of the evidence consists of isolated pits of various dates, often containing little or no datable material. The present exercise monitored only the test pits and bore hole sites required for engineering purposes.

Watching brief

Bore Holes (B.H.):

Measurements: Length x Width x Depth

B.H. 101: 24/06/2008
0.4m x 0.4m x 0.3m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 102: 24/06/2008
0.4m x 0.4m x 0.25m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 103: 07/06/2008
0.4m x 0.4m x 0.5m
Conditions sunny and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 104: 24/06/2008
0.4m x 0.4m x 0.5m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 106: 24/06/2008
0.4m x 0.4m x 0.5m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 108: 24/06/2008
0.35m x 0.35m x 0.4m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 110: 24/06/2008
0.4m x 0.4m x 0.6m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 111: 24/06/2008
0.4m x 0.4m x 0.35m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 113: 24/06/2008
0.35m x 0.35m x 0.4m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 114: 24/06/2008
0.3m x 0.3m x 0.35m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 116: 24/06/2008
0.35m x 0.35m x 0.5m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 118: 16/06/2008
0.45m x 0.3m x 0.6m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 119: 16/06/2008
0.35m x 0.35m x 0.45m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 121:16/06/2008
0.4m x 0.4m x 0.35
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 123: 16/06/2008
0.4m x 0.4m x 0.25m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 124:16/06/2008
0.4m x 0.4m x 0.35m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 501: 05/06/2008
0.55m x 0.55m x 0.38m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 503: 03/06/2008
0.5m x 0.5m x 0.45m
Conditions sunny and dry.
Methods: Excavated by hand, with shovel and trowel. Measured and photographed.
Nothing of archaeological significance found.

B.H. 507: 24/06/2008
0.35m x 0.35m x 0.45m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 508: 24/06/2008
0.4m x 0.4m x 0.5m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 509: 24/06/2008
0.35m x 0.35m x 0.2m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 512: 24/06/2008
0.4m x 0.4m x 0.6m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 513: 24/06/2008
0.4m x 0.4m x 0.25m
Conditions overcast and dry.
Methods: Excavated by hand, with shovel and trowel.
Nothing of archaeological significance found.

B.H. 516: 03/06/2008
0.6m x 0.6m x 0.5m
Conditions sunny and dry.
Methods: Excavated by hand, with shovel and trowel. Measured and photographed
Nothing of archaeological significance found.

B.H. 517: 03/06/2008
0.35m x 0.35m x 0.55m
Conditions sunny and dry.
Methods: Excavated by hand, with shovel and trowel. Measured and photographed
Nothing of archaeological significance found.

Test Pits (T.P.):

Measurements: Length x Width x Depth

T.P. 201: 12/06/2008

3m x 0.5m x 0.15m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 201 (A): 12/06/2008
1m x 0.25m x 0.15m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 202: 17/06/2008
3m x 1.5m x 0.5m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 1.5m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 203: 17/06/2008
3m x 1.5m x 0.4m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 1.5m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 205: 17/06/2008
3m x 1.5m x 0.4m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 1.5m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 207: 12/06/2008
4m x 0.5m x 0.3m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 207 (A): 12/06/2008
1m x 0.35m x 0.3m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 209: 17/06/2008
3m x 1.5m x 0.7m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 1.5m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 212: 12/06/2008
5m x 0.5m x 0.35
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed. Redeposited natural, glass bottle at 2m deep also wood and grass up to 3.5m deep probable fill to build up road for bridge over nearby burn.
Nothing of archaeological significance found.

T.P. 212 (A): 12/06/2008
1.5m x 0.3m x 0.5m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed. Redeposited natural, glass bottle at 2m deep also wood and grass up to 3.5m deep probable fill to build up road for bridge over nearby burn.
Nothing of archaeological significance found.

T.P. 213: 12/06/2008
4m x 0.5m x 0.4m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 213 (A): 12/06/2008
1m x 0.4m x 0.4m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 401: 11/06/2008
3.5m x 0.5m x 0.5m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 401 (A): 11/06/2008
2m x 0.4m x 0.5m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 402: 12/06/2008
3m x 1m x 1.2m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, stopped at 1.2m depth due to services, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 402 (A): 12/06/2008
1.5m x 0.4m x 1.2m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, stopped at 1.2m depth due to services, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 404: 12/06/2008
3m x 0.4m x 1m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 404 (A): 12/06/2008
1.5m x 0.4m x 0.95m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 406: 12/06/2008
3m x 0.45m x 0.8m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 406 (A): 12/06/2008
1m x 0.35m x 0.3m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 408: 17/06/2008
3.5m x 1.5m x 0.55m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 1.5m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 602: 11/06/2008
5m x 1.5m x 0.35
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 1.5m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 602 (A): 11/06/2008
1.5m x 0.35m x 0.45.
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 606: 11/06/2008
5m x 1.5m x 0.45m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 1.5m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 606 (A): 11/06/2008
1.5m x 0.45m x 0.45m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 608: 17/06/2008
4m x 1m x 0.25m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 610: 11/06/2008
2.5m x 0.5m x 0.9m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

T.P. 610 (A): 11/06/2008
1.7m x 0.4m x 0.9m
Conditions overcast and dry.
Methods: Excavated with mechanical back acting digger with 0.25m flat edged bucket, investigated, measured and photographed.
Nothing of archaeological significance found.

Recommendations

Although the watching brief did not reveal any archaeological features or finds, this is almost certainly because of the small areas opened. The line of the proposed road has considerable archaeological potential and a watching brief should be maintained on any site clearance and other excavation works.

References

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SOEND 1994a *Planning Advice Note 42: Archaeology and Planning*
(http://www.scotland.gov.uk/library5/planning/pan42-00.asp)

SOEND 1999 *Planning Policy Guidance Note 18: The Historic Environment*
(http://www.scotland.gov.uk/Publications/1999/04/nppg18)

The Highland Historic Environment Record, Highland Council Offices, Glenurquhart Road, Inverness

Other Web resources:

Archaeology Data Service http://ads.ahds.ac.uk

National Monuments Record for Scotland http://www.rcahms.gov.uk

National Library of Scotland (Maps) http://www.nls.uk

Am Baile http://www.ambaile.org.uk

The Old and New Statistical Accounts 1791-1845
http://edina.ac.uk/stat-acc-scot/

Appendix 1: Photo Index

Photo No	Date	Cam-era Point	Direction	Bore Hole (B.H.)/ Test Pit (T.P.)	Taken by	Comments
1	03/06/2008	1	S	B.H. 503	BM	
2	03/06/2008	2	W	B.H. 503	BM	
3	03/06/2008	3	N	B.H. 503	BM	
4	03/06/2008	4	E	B.H. 503	BM	
5	03/06/2008	5	N	B.H. 517	BM	
6	03/06/2008	6	E	B.H. 517	BM	
7	03/06/2008	7	S	B.H. 517	BM	
8	03/06/2008	8	W	B.H. 517	BM	
9	03/06/2008	9	E	B.H. 516	BM	
10	03/06/2008	10	S	B.H. 516	BM	
11	03/06/2008	11	W	B.H. 516	BM	
12	03/06/2008	12	N	B.H. 516	BM	
13	05/06/2008	13	N	B.H. 501	BM	
14	05/06/2008	14	W	B.H. 501	BM	
15	05/06/2008	15	S	B.H. 501	BM	
16	05/06/2008	16	E	B.H. 501	BM	
17	11/06/2008	17	NE	T.P. 606	BM	

Photo No	Date	Cam-era Point	Direction	Bore Hole (B.H.)/ Test Pit (T.P.)	Taken by	Comments
18	11/06/2008	17	NE	T.P. 606	BM	
19	11/06/2008	18	SW	T.P. 606	BM	
20	11/06/2008	19	SW	T.P. 606 (A)	BM	
21	11/06/2008	20	NE	T.P. 606 (A)	BM	
22	11/06/2008	21	SW	T.P. 602 (A)	BM	
23	11/06/2008	22	NE	T.P. 602 (A)	BM	
24	11/06/2008	23	SW	T.P. 602	BM	
25	11/06/2008	24	NE	T.P. 602	BM	
26	11/06/2008	25	E	T.P. 610 (A)	BM	
27	11/06/2008	26	S	T.P. 610 (A)	BM	
28	11/06/2008	27	E	T.P. 610	BM	Section
29	11/06/2008	28	W	T.P. 610	BM	
30	11/06/2008	29	S	T.P. 610	BM	
31	11/06/2008	30	S	T.P. 401 (A)	BM	
32	11/06/2008	31	N	T.P. 401 (A)	BM	
33	11/06/2008	32	S	T.P. 401	BM	
34	11/06/2008	33	N	T.P. 401	BM	
35	12/06/2008	34	NE	T.P. 402 (A)	BM	Discontinued due to services
36	12/06/2008	35	SW	T.P. 402 (A)	BM	Discontinued due to services

Photo No	Date	Cam-era Point	Direction	Bore Hole (B.H.)/ Test Pit (T.P.)	Taken by	Comments
37	12/06/2008	36	E	T.P. 402	BM	Discontinued due to services
38	12/06/2008	37	W	T.P. 402	BM	Discontinued due to services
39	12/06/2008	38	E	T.P. 404 (A)	BM	
40	12/06/2008	39	W	T.P. 404 (A)	BM	
41	12/06/2008	40	NNE	T.P. 404	BM	
42	12/06/2008	41	SSW	T.P. 404	BM	
43	12/06/2008	42	W	T.P. 406 (A)	BM	
44	12/06/2008	43	E	T.P. 406 (A)	BM	
45	12/06/2008	44	S	T.P. 406	BM	
46	12/06/2008	45	N	T.P. 406	BM	
47	12/06/2008	46	N	T.P. 201 (A)	BM	
48	12/06/2008	47	S	T.P. 201 (A)	BM	
49	12/06/2008	48	N	T.P. 201	BM	
50	12/06/2008	49	S	T.P. 201	BM	
51	12/06/2008	50	SE	T.P. 213 (A)	BM	
52	12/06/2008	51	NW	T.P. 213 (A)	BM	
53	12/06/2008	52	NE	T.P. 213	BM	
54	12/06/2008	53	SW	T.P. 213	BM	
55	12/06/2008	54	SSE	T.P. 212 (A)	BM	

Photo No	Date	Cam-era Point	Direction	Bore Hole (B.H.)/ Test Pit (T.P.)	Taken by	Comments
56	12/06/2008	55	NNW	T.P. 212 (A)	BM	
57	12/06/2008	56	SSE	T.P. 212	BM	
58	12/06/2008	57	NNW	T.P. 212	BM	
59	12/06/2008	58	S	T.P. 207 (A)	BM	
60	12/06/2008	59	N	T.P. 207 (A)	BM	
61	12/06/2008	60	S	T.P. 207	BM	
62	12/06/2008	61	N	T.P. 207	BM	
63	16/06/2008	62	E	B.H. 118	BM	
64	16/06/2008	63	S	B.H. 118	BM	
65	16/06/2008	64	W	B.H. 118	BM	
66	16/06/2008	65	N	B.H. 118	BM	
67	16/06/2008	66	NNW	B.H. 124	BM	
68	16/06/2008	67	ENE	B.H. 124	BM	
69	16/06/2008	68	SSE	B.H. 124	BM	
70	16/06/2008	69	WSW	B.H. 124	BM	
71	16/06/2008	70	NNW	B.H. 123	BM	
72	16/06/2008	71	ENE	B.H. 123	BM	
73	16/06/2008	72	SSE	B.H. 123	BM	
74	16/06/2008	73	WSW	B.H. 123	BM	

Photo No	Date	Cam-era Point	Direction	Bore Hole (B.H.)/ Test Pit (T.P.)	Taken by	Comments
75	16/06/2008	74	N	B.H. 119	BM	
76	16/06/2008	75	E	B.H. 119	BM	
77	16/06/2008	76	S	B.H. 119	BM	
78	16/06/2008	77	W	B.H. 119	BM	
79	16/06/2008	78	N	B.H. 121	BM	
80	16/06/2008	79	E	B.H. 121	BM	
81	16/06/2008	80	S	B.H. 121	BM	
82	16/06/2008	81	W	B.H. 121	BM	
83	17/06/2008	82	WNW	T.P.. 608	BM	
84	17/06/2008	83	ESE	T.P. 608	BM	
85	17/06/2008	84	N	T.P. 408	BM	
86	17/06/2008	85	S	T.P. 408	BM	
87	17/06/2008	86	W	T.P. 202	BM	
88	17/06/2008	87	E	T.P. 202	BM	
89	17/06/2008	88	N	T.P. 205	BM	
90	17/06/2008	89	S	T.P. 205	BM	
91	17/06/2008	90	NNE	T.P. 203	BM	
92	17/06/2008	91	SSW	T.P. 203	BM	
93	17/06/2008	92	E	T.P. 209	BM	

Photo No	Date	Cam-era Point	Direction	Bore Hole (B.H.)/ Test Pit (T.P.)	Taken by	Comments
94	17/06/2008	93	W	T.P. 209	BM	
95	24/06/2008	94	S	B.H. 116	BM	
96	24/06/2008	95	S	B.H. 116	BM	
97	24/06/2008	96	W	B.H. 114	BM	
98	24/06/2008	97	N	B.H. 114	BM	
99	24/06/2008	98	N	B.H. 113	BM	
100	24/06/2008	99	W	B.H.113	BM	
101	24/06/2008	100	N	B.H. 111	BM	
102	24/06/2008	101	W	B.H. 111	BM	
103	24/06/2008	102	N	B.H. 110	BM	
104	24/06/2008	103	W	B.H. 110	BM	
105	24/06/2008	104	N	B.H. 108	BM	
106	24/06/2008	105	W	B.H. 108	BM	
107	24/06/2008	106	N	B.H. 106	BM	
108	24/06/2008	107	S	B.H. 106	BM	
109	24/06/2008	108	S	B.H. 101	BM	
110	24/06/2008	109	N	B.H. 101	BM	
111	24/06/2008	110	N	B.H. 102	BM	
112	24/06/2008	111	E	B.H. 102	BM	

Photo No	Date	Cam-era Point	Direction	Bore Hole (B.H.)/ Test Pit (T.P.)	Taken by	Comments
113	24/06/2008	112	N	B.H. 104	BM	
114	24/06/2008	113	W	B.H.104	BM	
115	24/06/2008	114	E	B.H. 513	BM	
116	24/06/2008	115	N	B.H. 513	BM	
117	24/06/2008	116	S	B.H. 512	BM	
118	24/06/2008	117	N	B.H. 512	BM	
119	24/06/2008	118	N	B.H. 507	BM	
120	24/06/2008	119	S	B.H. 507	BM	
121	24/06/2008	120	N	B.H. 508	BM	
122	24/06/2008	121	S	B.H. 508	BM	
123	24/06/2008	122	W	B.H. 509	BM	
124	24/06/2008	123	E	B.H. 509	BM	
125	07/06/2008	125	NE	B.H. 103	JW	
126	07/06/2008	126	ESE	B.H. 103	JW	
127	07/06/2008	127	NNE	B.H. 103	JW	
128	07/06/2008	128	WNW	B.H. 103	JW	
129	07/06/2008	129	SSW	B.H. 103	JW	
130	07/06/2008	125	NE	B.H. 103	JW	

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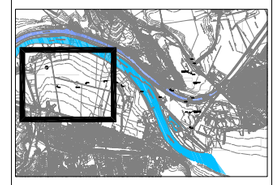
NOTES

1. The position of all exploratory holes are approximate and may be moved or deleted during Site Operations..



KEY PLAN
Scale NTS

KEY

BH - borehole

TP - trial pit

PLAN
Scale 1:1250

Revision Details	By / Chk	Date	Suffix
Key revised	AM / LM	02/05/08	D
TP601, TP603, TP605 and TP607 deleted	RM / LM	10/03/08	C
Borehole positions revised Drawing number revised	PC / LM	11.01.08	B
Borehole positions revised	IM / LM	24.12.07	A

Drawing Number: S100739/101 D
Revision: A

Job Title: INVERNESS TRUNK LINK ROAD

Drawing Title: WEST LINK GROUND INVESTIGATION SHEET 1 OF 4

Scale at A1: 1:1250

Drn	Det		Appd
JH			
Chk	Tech Chk	Det Chk	Date
-			27.11.07

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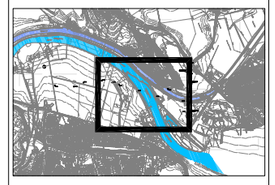

PLAN
Scale 1:1250

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WRITTEN DIMENSIONS SHALL BE USED

NOTES

1. The position of all exploratory holes are approximate and may be moved or deleted during Site Operations.

KEY PLAN
Scale NTS

KEY

BH - borehole

TP - trial pit

Revision Details	By / Chk	Date	Suffix
Sonic drilling deleted	AM / LM	02/05/08	E
BH502, BH504 and BH506 deleted	RM / LM	10/03/08	D
Revision to key	IM / LM	28.01.08	C
Drawing number revised	PC / LM	11.01.08	B
Borehole positions revised	IM / LM	24.12.07	A

Drawing Number Revision
S100739/102 E

Job Title

The Highland Council
Comhairle na Gaidhealtachd
SERVING The Highland Community

INVERNESS TRUNK
LINK ROAD

Drawing Title

WEST LINK GROUND
INVESTIGATION
SHEET 2 OF 4

Scale at A1
1:1250

Drn	Det		Appd
JH			
Chk	Tech Chk	Det Chk	Date
-			27.11.07

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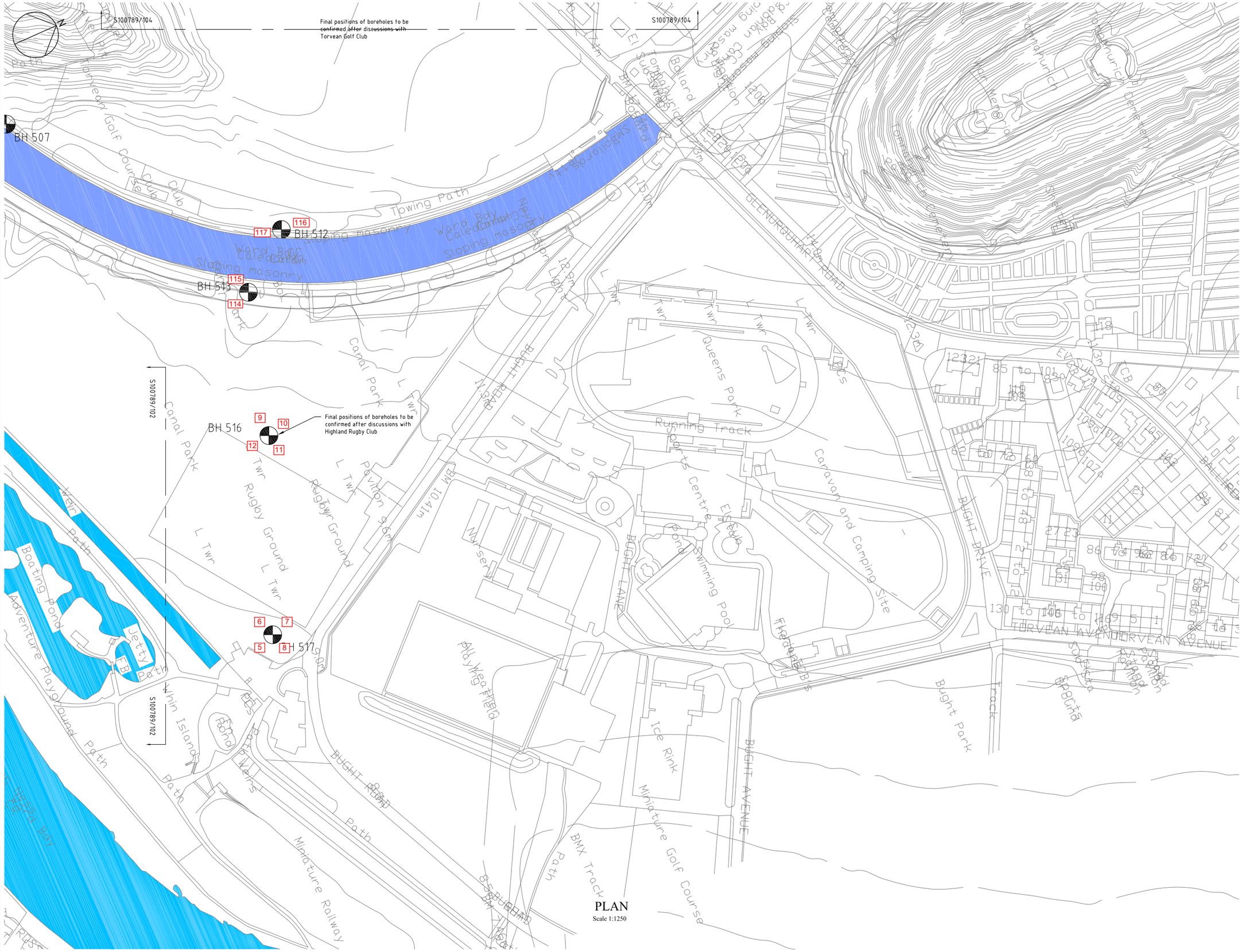

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NOTES

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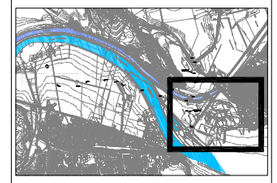

KEY PLAN
Scale NTS

KEY

BH - borehole

TP - trial pit

Revision Details	By / Chk	Date	Suffix
Sonic drilling deleted	AM / LM	02/05/08	E
BH515, BH514, BH511 and BH510 deleted	RM / LM	10/03/08	D
Revision to key and hole positions	IM / LM	28.01.08	C
Borehole notes added Drawing number revised	PC / LM	11.01.08	B
Borehole positions revised	IM / LM	24.12.07	A

Drawing Number: S100739/103 E
Revision

Job Title: INVERNESS TRUNK LINK ROAD

Drawing Title: WEST LINK GROUND INVESTIGATION SHEET 3 OF 4

Scale at A1: 1:1250

Drn	Det		Appd
JH			
Chk	Tech Chk	Det Chk	Date
-			27.11.07

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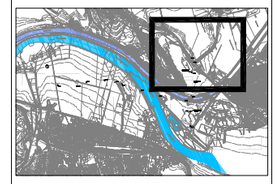

Final positions of boreholes to be confirmed after discussions with Torvean Golf Club

Final positions of boreholes to be confirmed after discussions with Torvean Golf Club

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NOTES

1. The position of all exploratory holes are approximate and may be moved or deleted during Site Operations.

KEY PLAN
Scale NTS

KEY

◐ BH - borehole

◩ TP - trial pit

Revision Details	By / Chk	Date	Suffix
Sonic drilling deleted	AM / LM	02.05.08	D
Revision to key and hole positions	IM / LM	28.01.08	C
Borehole note added Drawing number revised	PC / LM	11.01.08	B
Borehole positions revised	IM / LM	24.12.07	A

Drawing Number: S100739/104 D
Revision

Job Title

The Highland Council
Comhairle na Gaidhealtachd
SERVING The Highland Community

INVERNESS TRUNK LINK ROAD

Drawing Title

WEST LINK GROUND INVESTIGATION
SHEET 4 OF 4

Scale at A1
1:1250

Drn JH	Det		Appd
Chk -	Tech Chk	Det Chk	Date 27.11.07

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PLAN
Scale 1:1250

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NOTES

1. The position of all exploratory holes are approximate and may be moved or deleted during Site Operations..

KEY PLAN
Scale NTS

KEY

◑ BH - borehole

◩ TP - trial pit

Revision Details	By / Chk	Date	Suffix
Drawing number revised	PC / LM	11.01.08	B
Borehole positions revised	IM / LM	24.12.07	A

Drawing Number
Revision
S100739/301 B

Job Title
The Highland Council
Comhairle na Gaidhealtachd
SERVING The Highland Community
INVERNESS TRUNK
LINK ROAD

Drawing Title
EAST LINK
GROUND INVESTIGATION
SHEET 1 OF 6

Scale at A1
1:1250

Drn JH	Det		Appd
Chk -	Tech Chk	Det Chk	Date 27.11.07

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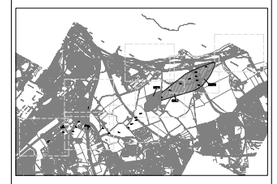
NOTES

1. The position of all exploratory holes are approximate and may be moved or deleted during Site Operations..



KEY PLAN
Scale NTS

KEY

BH - borehole

TP - trial pit

PLAN
Scale 1:1250

BH107 and BH109 deleted	RM / LM	10/03/08	C
Drawing number revised	PC / LM	11.01.08	B
Borehole positions revised	IM / LM	24.12.07	A
Revision Details	By / Chk	Date	Suffix

Drawing Number: S100739/302 C

Revision

Job Title

The Highland Council
Comhairle na Gaidhealtachd
SERVING The Highland Community

INVERNESS TRUNK LINK ROAD

Drawing Title

EAST LINK
GROUND INVESTIGATION
SHEET 2 OF 6

Scale at A1: 1:1250

Drn	Det		Appd
JH			
Chk	Tech Chk	Det Chk	Date
-			27.11.07

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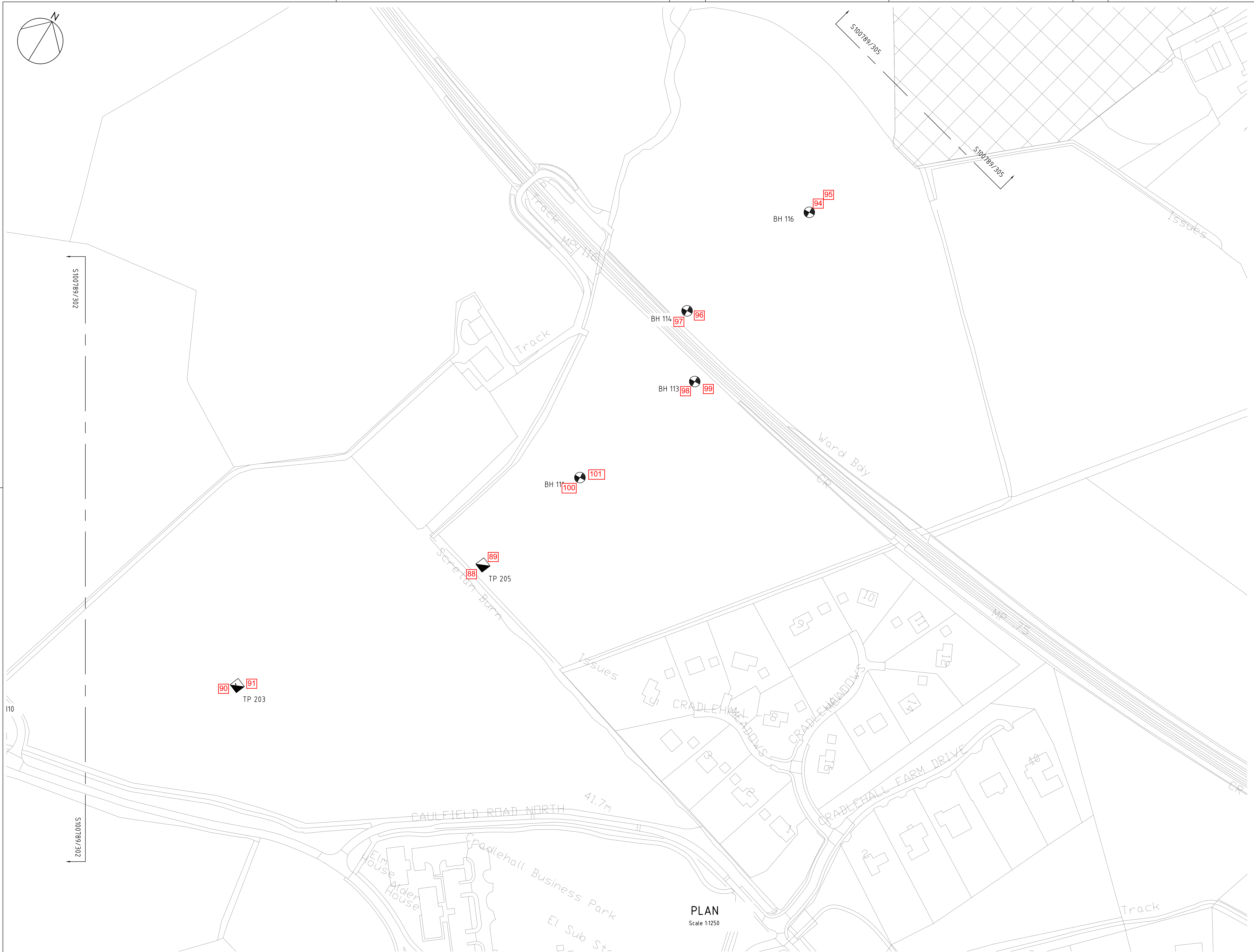
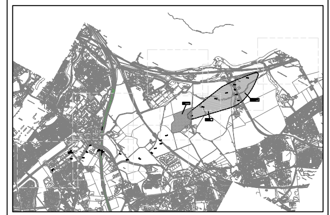


NOTES

1. The position of all exploratory holes are approximate and may be moved or deleted during Site Operations..



KEY PLAN

Scale NTS

KEY

BH - borehole

TP - trial pit

Revision Details	By / Chk	Date	Suffix
BH112, BH115, BH117 and TP204 deleted	RM / LM	10/03/08	C
Drawing number revised	PC / LM	11.01.08	B
Borehole positions revised	IM / LM	24.12.07	A

Drawing Number / Revision

S100739/303 C

Job Title

The Highland Council
Comhairle na Gaidhealtachd
SERVING The Highland Community

INVERNESS TRUNK LINK ROAD

Drawing Title

EAST LINK GROUND INVESTIGATION SHEET 3 OF 6

Scale at A1
1:1250

Drn	Det		Appd
JH			
Chk	Tech Chk	Det Chk	Date
-			27.11.07

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N

2

3a 3b

6

Sub Sta

Screetan Burn

Track

Drain

Drain

Track

S100789/306

TP 209

92

93

S100789/306

NO ACCESS OR WORKS PERMITTED IN THIS AREA

Drain

25.7m

TP 207

58

59

60

61

62

63

BH 118

65

64

Cont.

28.1m

DANGER
AVIATION FUEL PIPELINE
SPECIAL MEASURES REQUIRED

BM
32.20m

Ashton Farm

S100789/304

Ashton Farm Cottages

32.3m

95

94

BH 116

S100789/304

Issdes

PLAN
Scale 1:1250

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NOTES

1. The position of all exploratory holes are approximate and may be moved or deleted during Site Operations..

KEY PLAN
Scale NTS

KEY

BH - borehole

TP - trial pit

TP206 and TP208 deleted	RM / LM	10/03/08	D
Hatched areas added	PC / LM	16.01.08	C
Borehole BH117 position revised Drawing number revised	PC / LM	11.01.08	B
Borehole positions revised	IM / LM	24.12.07	A
Revision Details	By / Chk	Date	Suffix

Drawing Number S100739/304 D

Revision A

Job Title

The Highland Council
Comhairle na Gaidhealtachd
ARAICHD Tha Highland Community

INVERNESS TRUNK LINK ROAD

Drawing Title

EAST LINK
GROUND INVESTIGATION
SHEET 4 OF 6

Scale at A1 1:1250			
Drn JH	Det		Appd
Chk -	Tech Chk	Det Chk	Date 27.11.07

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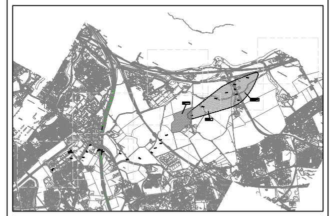
NOTES

1. The position of all exploratory holes are approximate and may be moved or deleted during Site Operations..



KEY PLAN

Scale NTS

KEY

BH - borehole

TP - trial pit

Revision Details	By / Chk	Date	Suffix
BH120, BH122, TP210, TP211 and TP214 deleted	RM / LM	10/03/08	D
Hatched areas added	PC / LM	16.01.08	C
Drawing number revised	PC / LM	11.01.08	B
Borehole positions revised	IM / LM	24.12.07	A

Drawing Number Revision

S100739/305 D

Job Title

The Highland Council
Comhairle na Gaidhealtachd
SERVING The Highland Community

INVERNESS TRUNK LINK ROAD

Drawing Title

EAST LINK
GROUND INVESTIGATION
SHEET 5 OF 6

Scale at A1
1:1250

Drn	Det		Appd
JH			
Chk	Tech Chk	Det Chk	Date
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NOTES

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KEY PLAN
Scale NTS

KEY

BH - borehole

TP - trial pit

PLAN
Scale 1:1250

TP402 deleted. Sht 6 deleted	PC / LM	10.03.08	C
Trial Pit positions revised	IMACP / LM	24.01.08	B
Drawing number revised Sheet 7 deleted	PC / LM	11.01.08	A
Revision Details	By / Chk	Date	Suffix

Drawing Number S100739/401 C

Revision

Job Title

The Highland Council
Comhairle na Gaidhealtachd
SERVING The Highland Community

INVERNESS TRUNK LINK ROAD

Drawing Title

SOUTHERN DISTRIBUTOR ROAD GROUND INVESTIGATION SHEET 1 OF 5

Scale at A1
1:1250

Drn	Det		Appd
JH			
Chk	Tech Chk	Det Chk	Date
-			27.11.07

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NOTES

1. The position of all exploratory holes are approximate and may be moved or deleted during Site Operations..

KEY PLAN
Scale NTS

KEY

BH - borehole

TP - trial pit

PLAN
Scale 1:1250

Sht 6 deleted	PC / LM	10.03.08	C
Trial Pit positions revised	IMACD / LM	24.01.08	B
Drawing number revised Sheet 7 deleted	PC / LM	11.01.08	A
Revision Details	By / Chk	Date	Suffix

Drawing Number S100739/403 C

Revision

Job Title

The Highland Council
Comhairle na Gaidhealtachd
SERVING The Highland Community

INVERNESS TRUNK LINK ROAD

Drawing Title

SOUTHERN DISTRIBUTOR ROAD GROUND INVESTIGATION SHEET 3 OF 5

Scale at A1			
1:1250			
Drn JH	Det		Appd
Chk -	Tech Chk	Det Chk	Date 27.11.07

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NOTES

1. The position of all exploratory holes are approximate and may be moved or deleted during Site Operations..

KEY PLAN
Scale NTS

KEY

BH - borehole

TP - trial pit

TP406

PLAN
Scale 1:1250

TP405 deleted. Sht 6 deleted	PC / LM	10.03.08	C
Trial Pit positions revised	IMACP / LM	24.01.08	B
Drawing number revised Sheet 7 deleted	PC / LM	11.01.08	A
Revision Details	By / Chk	Date	Suffix

Drawing Number S100739/404 C

Revision

Job Title

The Highland Council
Comhairle na Gaidhealtachd
SERVING The Highland Community

INVERNESS TRUNK LINK ROAD

Drawing Title

SOUTHERN DISTRIBUTOR ROAD GROUND INVESTIGATION SHEET 4 OF 5

Scale at A1 1:1250			
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Chk -	Tech Chk	Det Chk	Date 27.11.07

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NOTES

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KEY PLAN
Scale NTS

KEY

BH - borehole

TP - trial pit

PLAN
Scale 1:1250

TP407 deleted. Sht 6 deleted	PC / LM	10.03.08	C
Trial Pit positions revised	IMACP / LM	24.01.08	B
Drawing number revised Sheet 7 deleted	PC / LM	11.01.08	A
Revision Details	By / Chk	Date	Suffix

Drawing Number: S100739/405 C

Revision

Job Title: INVERNESS TRUNK LINK ROAD

Drawing Title: SOUTHERN DISTRIBUTOR ROAD GROUND INVESTIGATION SHEET 5 OF 5

Scale at A1: 1:1250			
Drn: JH	Det		Appd
Chk: -	Tech Chk	Det Chk	Date: 27.11.07

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