

**Report of Archaeological Desktop
& Walkover Survey
Ardnagrask Water Mains Renewal Project
NH 51869/48539 (centred)**

**By
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Introduction

This report is for an archaeological desktop & walkover survey conducted on behalf of Halcrow Group Ltd by the author for the Ardnagrask Water Mains Renewal Project, Highland.

Acknowledgements

I would like to thank the following for their help during the work :

- Mr. I Macleod, of Halcrow Group Ltd;
- Staff of Highland Council Archaeology Unit;
- Staff of the National Monuments Record of Scotland, Edinburgh;
- Staff of the RCAHMS, Edinburgh;
- Staff of the National Library of Scotland map room;
- Staff of Highland Council Archives.

Site Location

See enclosed drawing for larger scale.



Objectives

The author was commissioned by Halcrow Group Ltd to conduct an archaeological desktop & walkover survey of the route of the Ardnagrask water mains pipeline with a 12 metre wide way-leave. This desktop to follow those guidelines as proposed by the Institute of Field Archaeologists (IFA, 1999) and to follow the enclosed specification as provided by Highland Council Archaeology Unit.

Desktop & Walkover Results

A desktop survey was conducted using the following sources:

- Highland Council Sites and Monuments Record;
- National Monuments Record of Scotland, Edinburgh;
- Royal Commission on the Ancient and Historic Monuments of Scotland – aerial photograph collection;
- National Map Library of Scotland, Edinburgh;
- Highland Council Archives.

Walkover survey was conducted on 13-8-02, weather was sunny and bright.

Recommendations

Recommendations are given after each site.

Both the aerial photography and the map coverage were limited to the area of interest. Map coverage was also limited as the 1st edition of 1872-3 was almost the same as the 2nd of 1904 and little survey work has been carried out in detail in the 20th century, with the next edition being late 1960's.

The following 6 archaeological sites were to be found on the route or close to the pipeline (proposed new pipelines are highlighted in red on the accompanying maps with sites numbered).

HSMR – Highland Sites and Monuments Record
NMRS - National Monuments Record of Scotland

Sites are as follows:

1 – Teandalloch

NMRS – NH54NW 59

HSMR – NH54NW 118

Grid Ref: - NH 5196/4851

Type – Building

Unroofed building shown on 1st edition OS of 1881 (sheet 99) but not shown on OS map of 1988. Not shown on 2nd edition OS of 1907 (sheet 99).

Site is visible on aerial photograph of 1946 as rectangular mound (RAF CPE/Scot/Uk184/2330), visible as outline on aerial photograph of 1954 (RAF 58/A/421/5307) and as rectangular mound on aerial photograph of 1967 (OS/67/046/50).

Walkover revealed site visible as rectangular mound aligned E-W by existing fence line.

No recommendations to be made as site lies out way-leave area.



View of site facing east

2 – Aultvaich

NMRS – NH54NW 93

HSMR – NH54NW 93

Grid Ref: - NH 5179/4870

Type – Cruck framed House

Residential house – no other information available.

No additional information available from maps or aerial photographs.

Walkover revealed house still in use as private residence. One rubble building looks to have been remodeled to form a stable block from an earlier building.

No recommendations to be made as site should be unaffected by route proposed currently.



View of remodeled building facing NW

3 – Aultvaich

NMRS – NH54NW 94

HSMR – NH54NW 134

Grid Ref: - NH 515/483

Type – Farmstead

Farmstead of 1 roofed 1 unroofed building and enclosure depicted on 1st edition OS 1879-81 sheet 99 but not shown on OS map of 1988. Not marked on 2nd edition Os of 1907. Site is not visible on any aerial photographs from 1946 to 1967.

Grid reference should be NH 5150/4834.

Walkover revealed no trace of any buildings, site forms part of garden of modern house.

No recommendations to be made as site should be unaffected by route proposed currently.

4 – Teanalick

NMRS – NH54NW 81

HSMR – NH54NW 120

Grid Ref: - NH 520/480

Type – Farmstead

Farmstead of 1 roofed building, 1 partially roofed L building, 1 unroofed structure and 2 conjured enclosures are depicted on 1st edition OS 1879-81 sheet 99. 2 roofed buildings shown on OS map of 1998. No additional information available from maps or aerial photographs.

Grid reference should be NH 5208/4806.

Walkover revealed no ruined structures; site is farm still in operation.

No recommendations to be made as site should be unaffected by route proposed currently.

5 – Teandalloch

NMRS – NH54NW 66

HSMR – NH54NW 129

Grid Ref: - NH 5180/4878

Type – Building, field wall

One unroofed building with an attached length of field wall is depicted on 1st edition OS 1879-81 sheet 99 but not shown on OS map of 1988. Depicted on map to lie to north side of track. Shown as roofed on 2nd edition OS map of 1907.

Not visible on aerial photograph of 1946 (RAF CPE/Scot/Uk184/2330), visible as rough mound to edge of ploughed field on aerial photograph of 1954 (RAF 58/A/421/5307) likewise on aerial photograph of 1954 (RAF 58/RAF/1424/153) and also on aerial photograph of 1967 (OS/67/046/50).

Walkover revealed possible building cut by fence-line and disturbed by strainer of electricity pole in area of long grass. To be aligned E-W of c. 5m x 6m with walls 0.2m high and 0.3m wide. Grid reference should be NH 5181/4876.

No recommendations to be made as site should be unaffected by route proposed currently.



View of building facing North

6 – Clashdorrán

NMRS – n/a

HSMR – n/a

Grid Ref: - NH 5165/4826

Type – Farmstead

Site revealed during walkover survey. Farmhouse currently empty of late 19th century date with later additions. 3 out-buildings – 1st a long range of rubble construction and corrugated iron roof, partly harled, 2nd wooden building with corrugated iron roof, 3rd of both walls and roof of corrugated iron.

Site marked on 1st and 2nd edition OS maps but not named, likewise for OS map of 1960's.

No recommendations to be made as site should be unaffected by route proposed currently.



View of farmhouse facing NE



View of long out-building facing NE

Site 6 is an additional site that was found as part of this survey and is not recorded in the Highland Sites and Monuments Record or the National Monuments Record of Scotland, Edinburgh.

Photographs taken as part of this survey are deposited with Highland Council Sites and Monuments Record. Negatives have been deposited with the National Monuments Record of Scotland, Edinburgh.

References

Highland Sites and Monuments Record database entries for NH54NW.

IFA (1999) By-laws, Standards and Policy Statements of the Institute of Field Archaeologists. Reading.

National Monuments Record of Scotland CANMORE entries for NH54NW.

OS Maps Consulted

Ross-shire Edition of 1881 (surveyed 1872-3) 1:10,000 sheet 99.

Ross-shire Edition of 1907 (revised 1904) 1:10,000 sheet 99.

Aerial Photographs Consulted

RAF CPE/Scot/Uk184 2330-2332	Flown 23-6-1949	1:10,000
RAF 58/A/421 5307-5305, 5311-5316 (Limited coverage)	Flown 21-6-1949	1:5,000
RAF 58/RAF/1424 152-154	Flown 23-4-1954	1:10,000
OS OS/67/046 46-47, 51-53	Flown 23-4-1967	1:7,500

Photographic Register

- 1 – View of site 1 facing E.
- 2 – View of remodeled building at site 2 facing NW.
- 3 – View of building at site 5 facing N.
- 4 – View of out-buildings at site 6 facing E.
- 5 – View of farmhouse at site 6 facing NE.
- 6 – View of out-building at site 6 facing NE.

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Brief for archaeological work

**ARCHAEOLOGICAL DESK ASSESSMENT AND
WALK-OVER SURVEY**

Produced for general use by Scottish Water

**HIGHLAND COUNCIL
PLANNING AND DEVELOPMENT SERVICE**

Archaeology Unit

1) Background

Capital projects can impact on valuable features of historic and archaeological importance. Arrangements should therefore be made to avoid such features wherever possible. Where this is not practicable, they should be recorded before they are damaged or destroyed. This will need to be done by a qualified and experienced archaeologist.

In the highlands, there has been relatively little archaeological survey carried out but conditions have tended to mean that there can be a high survival of features and finds of all periods. These may be buried with only limited visibility above ground. There is therefore a need to establish the potential impact of projects on both recorded and unrecorded archaeology at the earliest possible stage so that an appropriate approach can be taken to preserving them wherever possible, or recording them where preservation is impractical.

The first requirement is therefore for a check of available records and aerial photographs. However, as many parts of the highlands have not been subject to systematic archaeological field survey, there is a potential for further unrecorded archaeology of all periods. A rapid walkover survey should therefore be undertaken by an archaeologist at the earliest possible stage to assess the nature and extent of this potential. This should assess the likelihood of buried as well as surface remains, and indicate any areas of particular sensitivity. Similar walkover surveys in similar areas elsewhere have revealed large numbers of visible, but previously unrecorded sites of all periods.

Although this brief is for a basic desk based assessment and walk-over survey, in some cases, field evaluation by trial trenching or geophysics may also be needed to establish the nature and extent of buried archaeological features. The advice of the archaeologist appointed should be followed in this, but the Archaeology Unit can advise if required.

A report should present the conclusions of this work and propose mitigation and recording arrangements to be followed in this scheme. Such arrangements might include re-routing to avoid key areas, excavation and recording of features, and / or an archaeological watching brief on site clearance and excavations for construction purposes.

2) Terms of Reference

This brief may be used to obtain estimates from archaeologists. It specifies what we consider to be the ***minimum*** acceptable standard of work; proposals that present a higher standard may be offered and accepted. *We will assume that this will form the basis of an agreed approach unless changes are agreed with us in writing before the start of any site works.*

This brief has been produced for Scottish Water, who will be responsible for the work, including any tendering and contractual arrangements. It sets out in detail who is responsible for what, as well as the terms of reference, objectives, method, monitoring and reporting arrangements. The approach set out below aims to establish as far as possible the nature and extent of any features of archaeological interest likely to be affected at the earliest possible stage so that they can be preserved, or if necessary recorded before destruction. may be used to obtain estimates from archaeological contractors as required. It is designed specifically for this scheme and may differ from previous briefs supplied by us for other projects.

The Archaeology Unit will be pleased to comment on tenders submitted in confidence if required. Any tenders should be accompanied by a project design, statement and evidence of competence, including the CV of the Project Director, and other staff where possible.

The work should be carried out by, or under the immediate direction of, a member of the Institute of Field Archaeologists to ensure that work is carried out to professional

standards. Where archaeological work is conducted in response to a planning condition or is commissioned by the Highland Council itself, the Archaeology Unit may refuse to accept work from, or otherwise take action against, archaeologists who fail to carry out work to these standards.

The area to be covered is the entire wayleave, and includes any proposed ancillary works unless otherwise indicated.

The brief is based on documents supplied at the time it was issued. However briefs have to be updated from time to time, so if any of these details do not apply when site works start, or fieldwork commences more than a year from the date below, please contact us to request the latest version.

Before site works start, the proposed arrangements, including a timetable for the work should be agreed with the Senior Archaeologist in writing.

3) Objectives

To identify the location, nature and extent of any features or objects of archaeological importance that would be damaged or destroyed by this project.

To assess the likelihood of buried as well as surface remains, and indicate any areas of particular sensitivity.

To propose arrangements for the safeguarding where possible (or recording where necessary) of any archaeological features or finds identified. These arrangements will need to be agreed by the Senior Archaeologist before the start of site clearance works.

To ensure that the needs for archaeological conservation and recording are met without causing any unnecessary delay or disturbance to the project.

4) Method

No archaeological excavation is to take place as part of this brief.

a) Desk-based Assessment

An initial check of all relevant archaeological records and aerial photographs held in Inverness and Edinburgh will be needed. At least the following sources should be checked:

- *The Highland Council Sites and Monuments Record (SMR)*
- *The Highland Council Archives*
- *The National Monuments Record*
- *any locally held private archives*
- *any aerial photographic coverage*

b) Walk-over survey and photographic record

A walk over survey of the project area will be needed to enable identification of any upstanding remains, from any period (including 19th and 20th century features of historic interest, such as military or industrial archaeology). All individual features should be photographed and the features themselves and the location and direction of all photographs taken should be marked on a 1:2500 plan, keyed by means of Grid References to the Ordnance Survey mapping.

The archaeologist should mark the limits of all features on the ground by temporary boundary flags or tape set at least 5m out from the nearest visible feature edge. This should help to avoid accidental damage by contractors or machinery on site.

c) Report

A report must be produced which sets out the results of the work and proposes appropriate arrangements for the safeguarding where possible (or recording where necessary) of any objects or features identified. These arrangements must be agreed by the Council's Senior Archaeologist before the start of site clearance works.

5) Monitoring

The archaeologist appointed is responsible for agreeing arrangements for monitoring with Archaeology Unit staff. We monitor projects as necessary to ensure that, as far as possible, minimum standards are met. This is usually by unannounced site visit - alternative or additional monitoring arrangements may be made in individual cases.

Prior notice of fieldwork starting dates, with contact names and local addresses, telephone numbers and directions and other arrangements for access must be given to the Senior Archaeologist by the archaeologist contracted to carry out the work.

Any unexpectedly significant or complex discoveries, or other unexpected occurrences which might significantly affect the archaeological work and /or the development must be notified by the archaeologist immediately to the applicant and the Senior Archaeologist. Such finds or features must not be disturbed until arrangements have been agreed for safeguarding or recording them.

6) Reporting

a) Project report

The archaeologist appointed is responsible for producing a report on the work, *and for making sure copies have been received by the recipients listed below.* We require archaeologists to submit satisfactory reports within the agreed deadline.

At least **six** copies of the project report must be produced. These must be submitted to all of the following **within 3 weeks** of the completion of the field work.

- At least one paper copy for Scottish Water.
- One paper copy to be deposited with the Council's Senior Librarian Information Co-ordinator, Libraries Support Unit, 31a Harbour Road, Inverness IV1 1UA. This will be available for public consultation through the public library service.
- One paper copy to be deposited with the Council's Assistant Curator (Archaeology), Museum & Art Gallery, Castle Wynd, Inverness IV2 3EB.
- Two copies for the Archaeology Unit, Planning and Development Service, Council Offices, Glenurquhart Road, Inverness IV3 5NX :
 - One paper copy
 - One copy of the complete report in Adobe Acrobat format (ie a pdf file). This can be supplied by email or on a computer disc. Please ensure that all drawings and photographs are included.

The report must include, as a minimum,

- Location plan showing the project area and archaeological sites and features affected. Grid references must be included.
- Circumstances and objectives of this work, including a copy of this specification.
- Weather and other conditions affecting fieldwork.
- Scale plans, and photographs of all archaeological features noted.
- A full index to any records or other material generated by the project including its location.
- A brief analysis of the project results drawing in comparative data as appropriate, and a statement of the significance of the results for future research. Note that a negative result may itself be significant.

- General comments and proposals for future archaeological projects arising from the carrying out of this project.
- A set of colour slides illustrating the project progress from start to completion.
- A list of finds, set out in the required format for Treasure Trove reporting. Copies of the necessary forms are obtainable if required from the Council's Assistant Curator (Archaeology), Museum & Art Gallery, Castle Wynd, Inverness IV2 3EB.

b) Presentation

Where significant archaeology has been found, this specification includes arranging a presentation of the project results, to the local community within a year of the completion of the fieldwork. This is the responsibility of the archaeologist appointed who should allow for any costs when estimating for the work. Arrangements must be agreed with the Senior Archaeologist.

c) DES

A brief summary of the results must be sent to the Council for Scottish Archaeology for inclusion in Discovery and Excavation in Scotland. This is also the responsibility of the archaeologist appointed who should allow for any costs when estimating for the work.

d) Copyright

The Council will assume author's copyright unless advised otherwise. However, the Archaeology Unit reserves the right to make the report available for reference and research purposes, either on paper, or electronically. The completed report will be made available for immediate public consultation for research purposes at the Highland Council Sites and Monuments Record, and through the public library service. The Archaeology Unit will acknowledge copyright in all cases.

7) Finds

Chance finds can be made during any archaeological fieldwork. Advice and facilities for emergency conservation and temporary storage can be offered by Inverness Museum on consultation with the Conservation Officer and Assistant Curator (Archaeology). A list of services and table of costs are available from the museum.

Archaeologists undertaking fieldwork should notify the Council's Assistant Curator (Archaeology) at Inverness Museum, before the start of site works. The Assistant Curator will in turn notify local museums of the fact that there is archaeological work ongoing in the area.

The archaeologist should notify all finds for Treasure Trove before the report is submitted. A finds list, in the required format for Treasure Trove reporting, must also be attached to and submitted with the report.

8) General

The archaeologist agrees by undertaking this work to the terms of this brief, including the following:

The archaeologist appointed must:

- carry out the work according to the Code of Conduct, standards and guidelines of the Institute of Field Archaeologists.
- agree a timetable for the work with the client and the Senior Archaeologist.
- take all necessary measures to conform with the Health and Safety at Work Acts and be covered by all necessary insurance.
- not comment to the press or other media without prior approval from the Senior Archaeologist.
- fully allow for prevailing weather conditions in northern Scotland.

The main contractor on site has overall responsibility for the Health and Safety of any archaeological staff. Any Health and Safety incidents on site involving the archaeologist must be immediately notified to the Health and Safety Executive.

This brief has been produced by the Highland Council's Senior Archaeologist, to whom any enquiries should be addressed. No one else has authority to vary its terms.

John Wood

Senior Archaeologist

Thursday, 1 August 2002