



## Ulverston Gas Pipeline Scheme

### Historic Hedgerows Assessment

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May 2021

Cadent

#### Document history and status

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P01	May 2021	Draft	NT	SG	SG	SW

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## Ulverston Gas Pipeline Scheme

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## 1. Introduction

### 1.1 General

This report examines whether two hedgerows identified within the area of the Ulverston Gas Pipeline Scheme (hereafter 'the Scheme') qualify as 'important' under the Hedgerows Regulations 1997 in relation to the criteria for archaeology and history.

The Scheme is located to the east of Ulverston, South Lakeland District, Cumbria and centred on National Grid Reference 329977, 478357.

### 1.2 The Hedgerows

The locations of the two hedgerows under consideration are shown in Figure 1.1 and labelled A (west) and B (east).

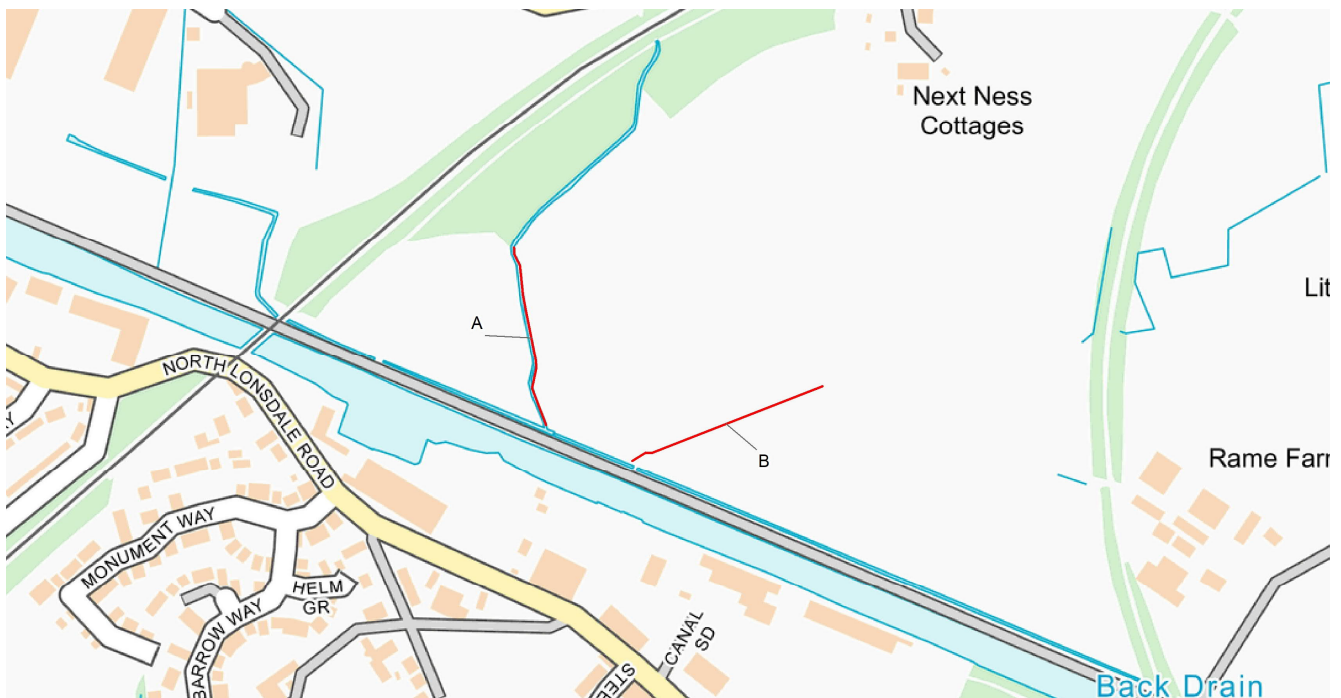


Figure 1.1: Hedgerow locations shown in red

Hedgerow A is approximately 150m in length and is oriented north-west to south-east. The course of the boundary comprises a stream.

Hedgerow B is approximately 170m in length and is oriented north-east to south-west.

Both hedgerows lie to the north of the Ulverston Canal.

## 2. Hedgerows Regulations 1997

### 2.1 Criteria

For the purposes of Section 97 (hedgerows) of the Environment Act 1995 and the Hedgerow Regulations 1997, a hedgerow is “important” if it, or the hedgerow of which it is a stretch:

- a) has existed for 30 years or more; and
- b) satisfies at least one of the criteria listed in Part II of Schedule 1.

The criteria in relation to archaeology and history as set out in Part II of Schedule 1 are as follows:

1. The hedgerow marks the boundary, or part of the boundary, of at least one historic parish or township; and for this purpose “historic” means existing before 1850.
2. The hedgerow incorporates an archaeological feature which is—
  - a) included in the schedule of monuments compiled by the Secretary of State under section 1 (schedule of monuments) of the Ancient Monuments and Archaeological Areas Act 1979; or
  - b) recorded at the relevant date in a Sites and Monuments Record.
3. The hedgerow—
  - a) is situated wholly or partly within an archaeological site included or recorded as mentioned in paragraph 2 or on land adjacent to and associated with such a site; and
  - b) is associated with any monument or feature on that site.
4. The hedgerow—
  - a) marks the boundary of a pre-1600 AD estate or manor recorded at the relevant date in a Sites and Monuments Record or in a document held at that date at a Record Office; or
  - b) is visibly related to any building or other feature of such an estate or manor.
5. The hedgerow—
  - a) is recorded in a document held at the relevant date at a Record Office as an integral part of a field system pre-dating the Inclosure Acts; or
  - b) is part of, or visibly related to, any building or other feature associated with such a system, and that system—
    - I. is substantially complete; or
    - II. is of a pattern which is recorded in a document prepared before the relevant date by a local planning authority, within the meaning of the 1990 Act, for the purposes of development control within the authority’s area, as a key landscape characteristic.

## 3. Methodology

### 3.1 Data Sources

To determine if either of the hedgerows qualify as 'important' in respect to archaeology and history, the following sources were consulted:

- Historic Parishes of England and Wales: an Electronic Map of Boundaries before 1850 for data on historic parish and township boundaries (online);
- National Heritage List for England (NHLE) for information on Scheduled Monuments;
- Cumbria Historic Environment Record (HER), referred to as a Sites and Monuments Record in the criteria identified in Section 2.1, for information on non-designated archaeological features; and
- The Cumbria Archives and Lancashire Archives (Record Offices) for historic maps and records relating to the hedgerows.

### 3.2 Assessment Structure

In the assessment below, the relevant data are assessed against the criteria identified in Section 2.1. A historic map regression and consultation response from the Cumbria HER Officer are provided as appendices.

## 4. Assessment

### 4.1 Age

The initial criteria identified in Part 4 (a) of the regulations is that a hedgerow has existed for 30 years or more.

As shown in the map regression presented at Appendix A, both hedgerows have existed for more than 30 years. Both hedgerows are shown on the 1812 Ulverston Enclosure Map.

Given the above, the criteria in Part II of Schedule 1 of the regulations are considered relevant.

### 4.2 Historic Parish or Township Boundary

Paragraph 1 of Part II of the Schedule relates to historic parish or township boundaries.

Figure 4.1 shows the extent of the Ulverston Parish Boundary and Township Boundary prior to 1850 (after Kain and Oliver, 2001) and the location of the two hedgerows.

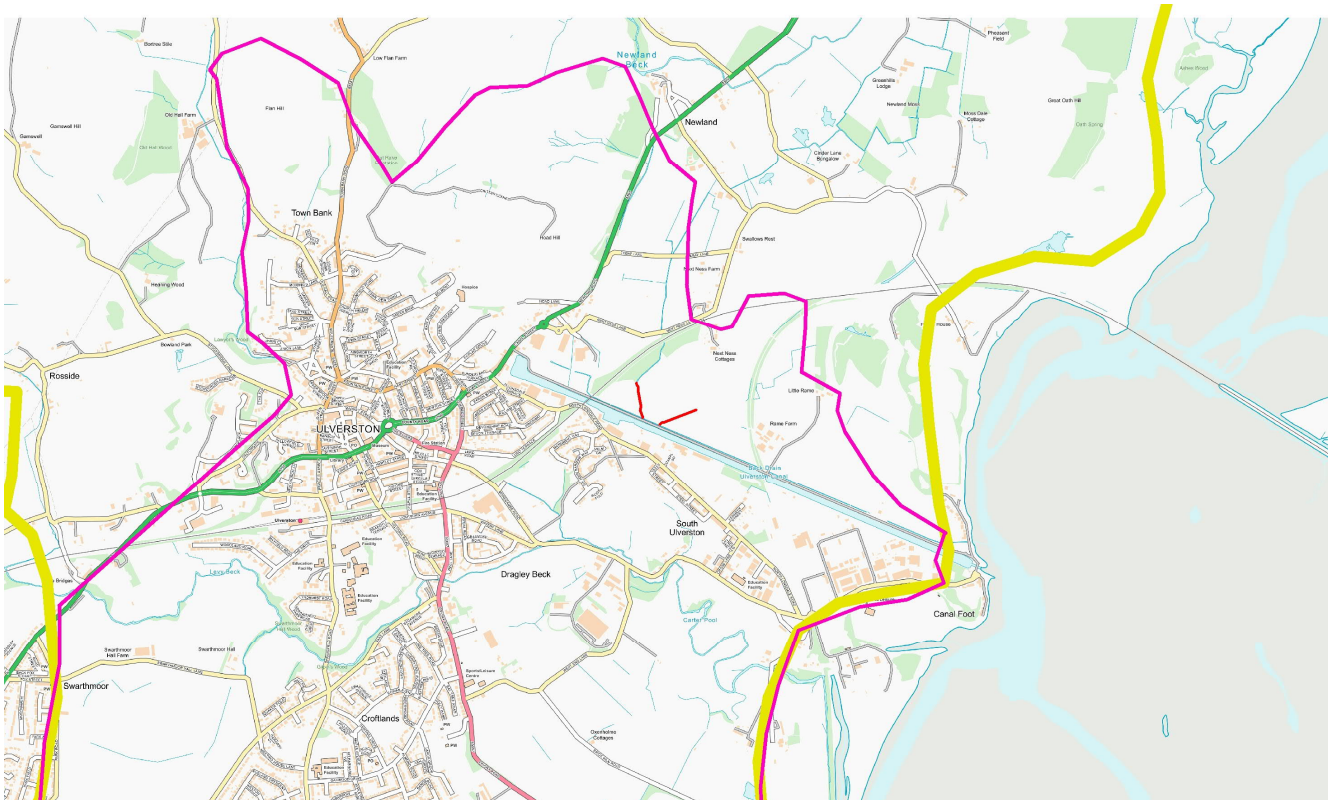


Figure 4.1: Ulverston Parish Boundary pre-1850 outlined in yellow; Ulverston Township Boundary pre-1850 outlined in pink. Hedgerows shown in red.

Neither hedgerow forms part of either the historic parish or township boundaries of Ulverston. As such Paragraph 1 of Part II of the Schedule is not considered relevant.

### 4.3 Designated and Non-Designated Archaeological Sites

Paragraphs 2 and 3 of Part II of the Schedule relate to whether the hedgerow is identified to incorporate or form part of an archaeological feature such as a nationally designated Scheduled Monument or a locally designated archaeological site.

Neither hedgerow incorporates or forms part of a designated Scheduled Monument recorded by the NHLE.

The Cumbria HER identifies a historic culvert (HER 16025) relating to the Ulverston Canal to be located at the southern limit of Hedgerow B. This culvert is first depicted and labelled on the historic mapping at Figure 3 in Appendix A. An extract of the 1850 Ordnance Survey map showing the position of the culvert is reproduced in Figure 4.2. The culvert relates to the Ulverston Canal back ditch and is not considered to be part of the hedgerow itself, therefore Paragraphs 2 (b) and 3 do not apply.

Consultation with the Lead Officer Historic Environment and Commons (Mark Brennand) at Cumbria County Council in regard to the extent of the culvert is provided at Appendix B.



Figure 4.2: Extract from the 1850 Ordnance Survey map showing the position of the culvert on the Ulverston Canal back ditch

There are no records pertaining to Hedgerow A.

As such, Paragraphs 2 and 3 of Part II of the Schedule are not considered relevant.

#### 4.4 Pre-1600 AD Estate Boundary

Paragraph 4 of Part II of the Schedule relates to whether the hedgerow forms part of an estate boundary pre-dating 1600 AD.

There is no evidence to indicate either hedgerow forms part of such a boundary. Therefore, Paragraph 4 of Part II of the Schedule is not considered relevant.

#### 4.5 Pre-Enclosure Field System

Paragraph 5 of Part II of the Schedule relates to whether the hedgerow forms part of a field system pre-dating the enclosure act.

The Enclosure Act for Ulverston dates to 1812 and the associated enclosure map is reproduced in Figures 5 (19<sup>th</sup> century copy) and 6 at Appendix A. Both maps show hedgerows A and B. Hedgerow A is labelled as Moss Drain in both maps.



A map of Ulverston Commons dating from 1792 (Figure 7 in Appendix A) shows the area of the Scheme to comprise undeveloped common land (moss) prior to enclosure in the early 19<sup>th</sup> century. The map shows all the main geographic features of the area surrounding the Scheme, including the projected route of the Ulverston Canal and associated basin. There is no trace of any organised field system shown on the mapping and no evidence that Hedgerow B existed prior to the act of 1812.

Hedgerow A comprises a stream and the course of a stream is shown within the 1792 mapping on a similar alignment and location, albeit the mapping appears to be slightly mis-aligned. However, the stream/hedgerow is not recorded to form an integral part of a field system as the land was unenclosed common/moss.

Accordingly, Paragraph 5 of Part II of the Schedule is not considered relevant.

## 5. Conclusion

In accordance with the criteria set-out in Part II of Schedule 1 of the Hedgerow Regulations 1997 in relation to archaeology and history it is concluded that neither hedgerow qualifies as 'important'.

## 6. References

Kain, R.J.P. and Oliver, R.R., 2001, *Historic Parishes of England and Wales: an Electronic Map of Boundaries before 1850 with a Gazetteer and Metadata – data on Ulverston Parish* available online from:  
<https://www.genuki.org.uk/big/eng/LAN/Ulverston/ParishMap>

## Appendix A. Historic Map Regression

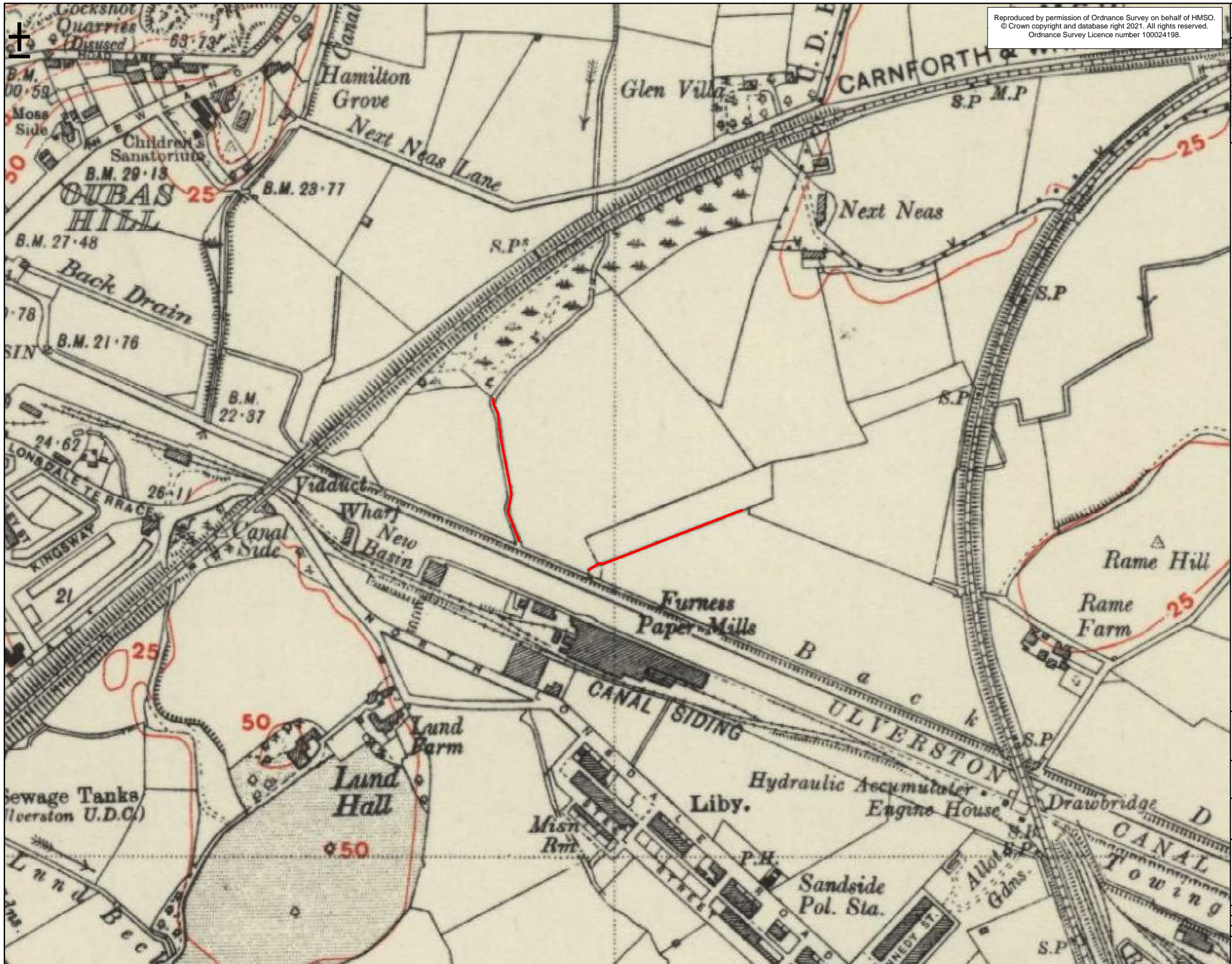
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Key Plan:



Legend:

— Hedges



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**Jacobs**

Project  
**ULVERSTON - HEDGEROWS**

Drawing  
**APPENDIX A: FIGURE 1  
1948 ORDNANCE SURVEY MAP**

Drawn by: Nathan Thomas	Date: 21/05/2021
Checked by: Aisling Mulcahy	Date: 21/05/2021
Approved by: Simon Griffin	Date: 21/05/2021
Drawing No.	Revision
	C.01

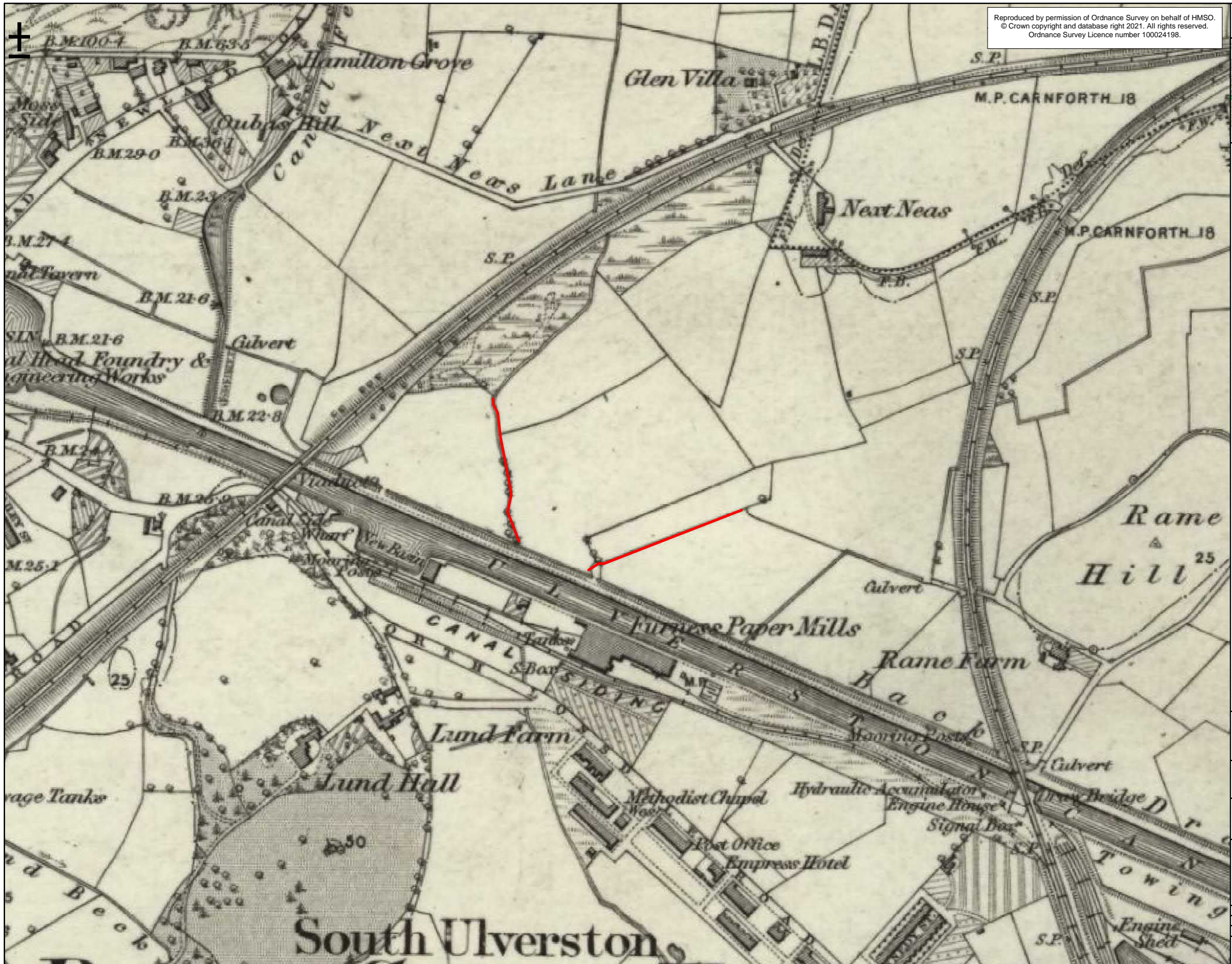
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Key Plan:



Legend:

 Hedges



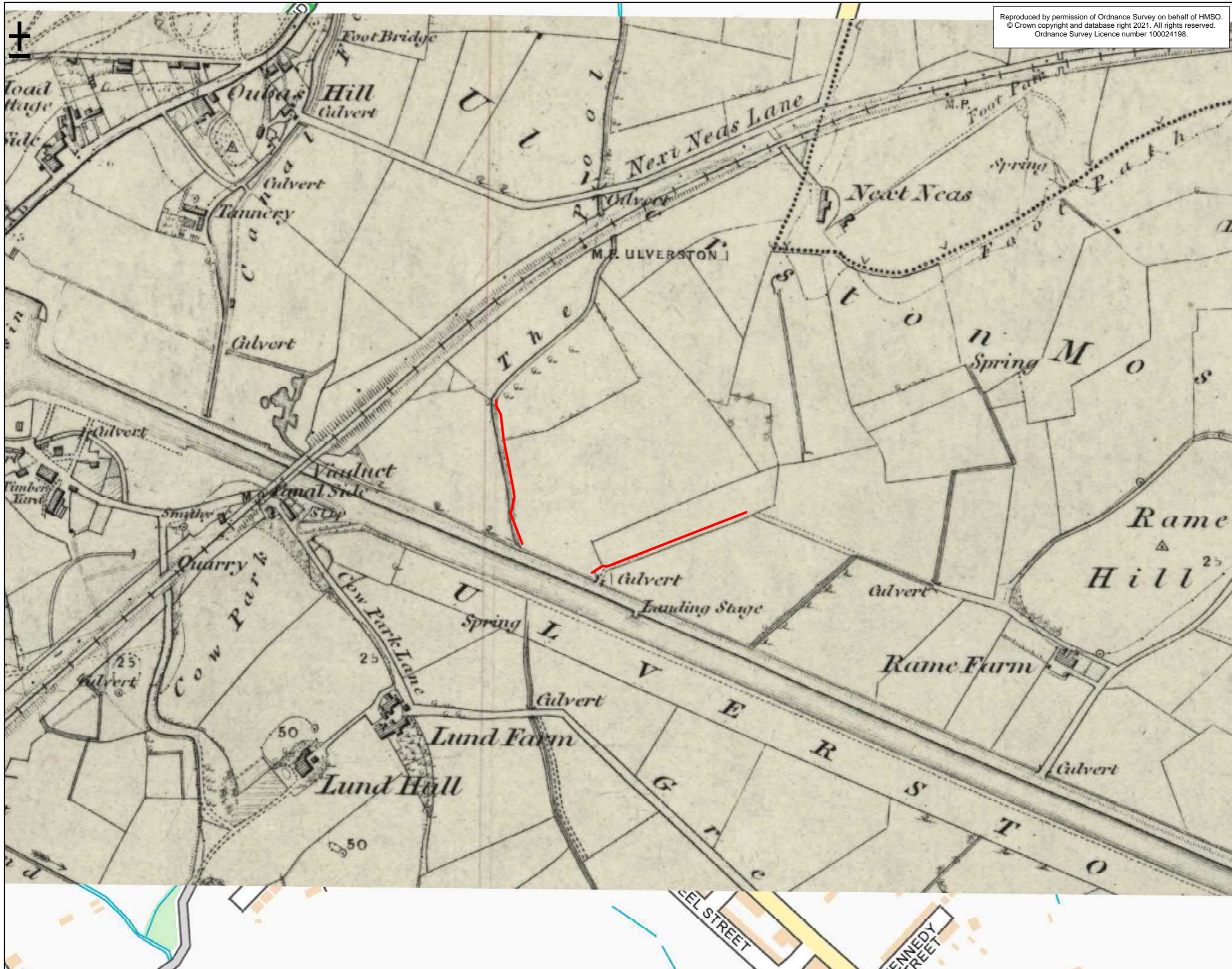
**Cadent**  
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Project  
**ULVERSTON - HEDGEROWS**

Drawing  
**APPENDIX A: FIGURE 2  
1895 ORDNANCE SURVEY MAP**

Drawn by: Nathan Thomas	Date: 21/05/2021
Checked by: Aisling Mulcahy	Date: 21/05/2021
Approved by: Simon Griffin	Date: 21/05/2021
Drawing No.	Revision
	C.01



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Legend:

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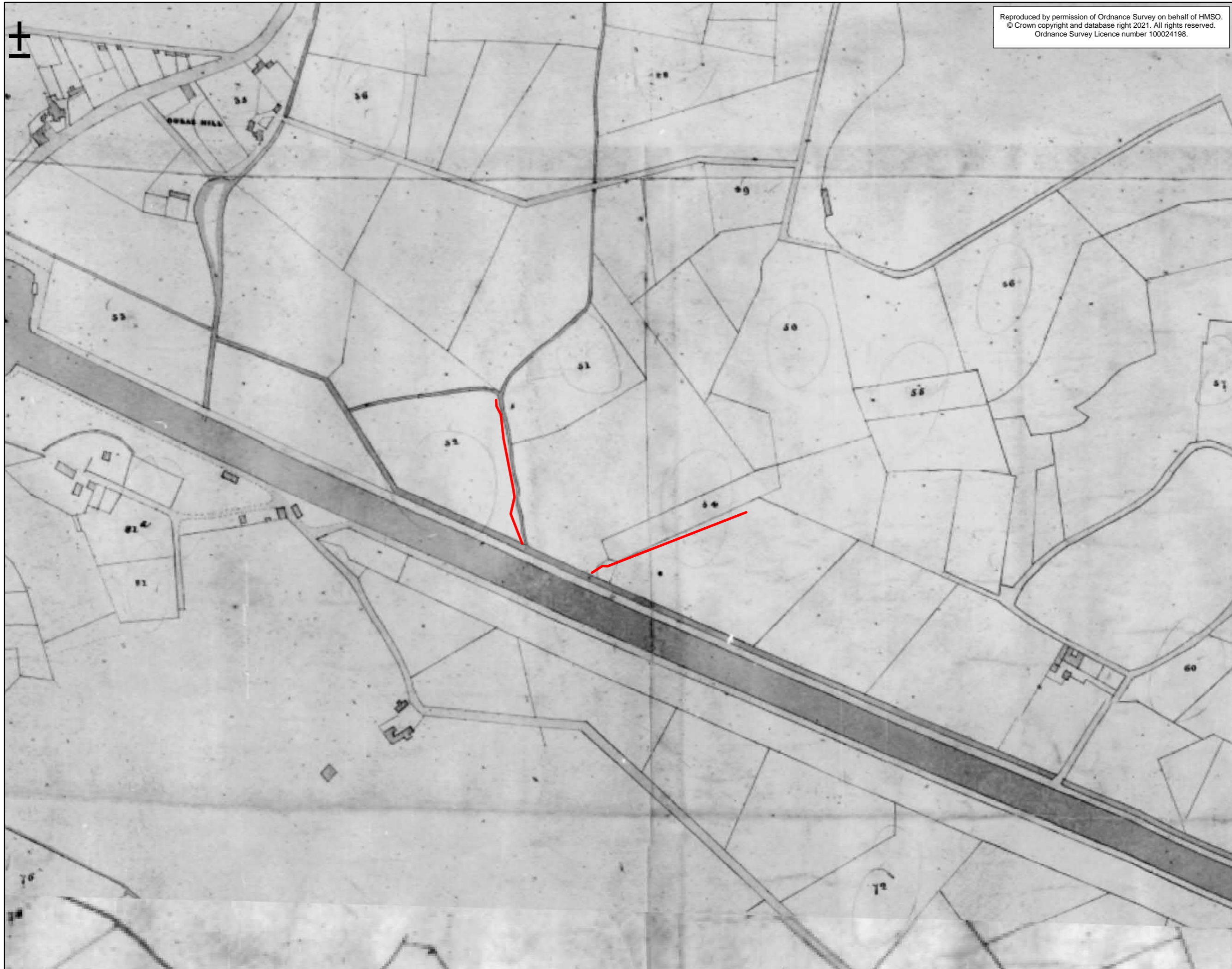
Project

ULVERSTON - HEDGEROWS

Drawing

APPENDIX A: FIGURE 3  
1850 ORDNANCE SURVEY MAP

Drawn by: Nathan Thomas	Date: 21/05/2021
Checked by: Aisling Mulcahy	Date: 21/05/2021
Approved by: Simon Griffin	Date: 21/05/2021
Drawing No.	Revision
	C.01



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Key Plan:



Legend:

— Hedges

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Drawing  
 APPENDIX A: FIGURE 4  
 1850 TITHE MAP

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Checked by: Aisling Mulcahy	Date: 21/05/2021
Approved by: Simon Griffin	Date: 21/05/2021
Drawing No.	Revision
	C.01



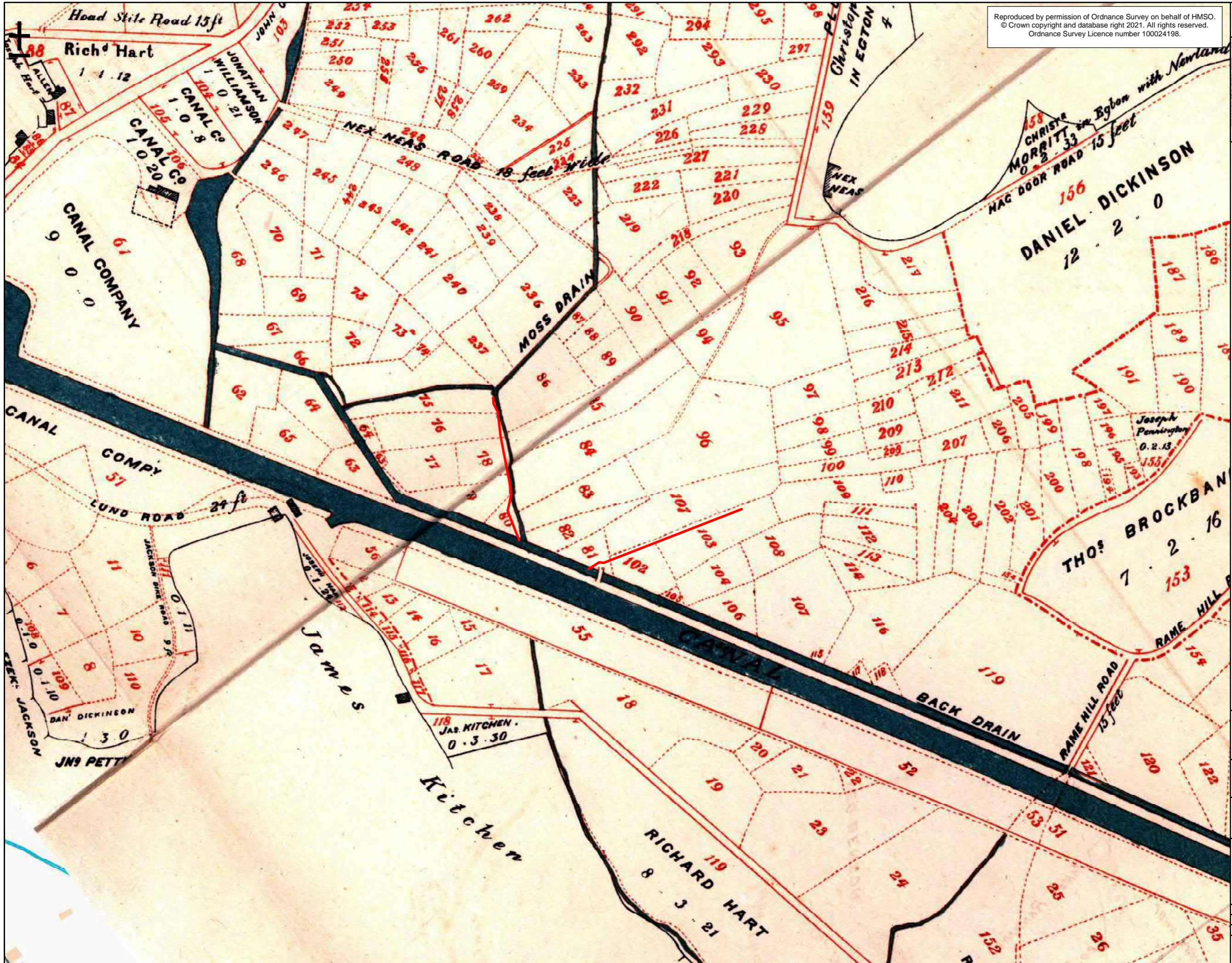
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Key Plan:



Legend:

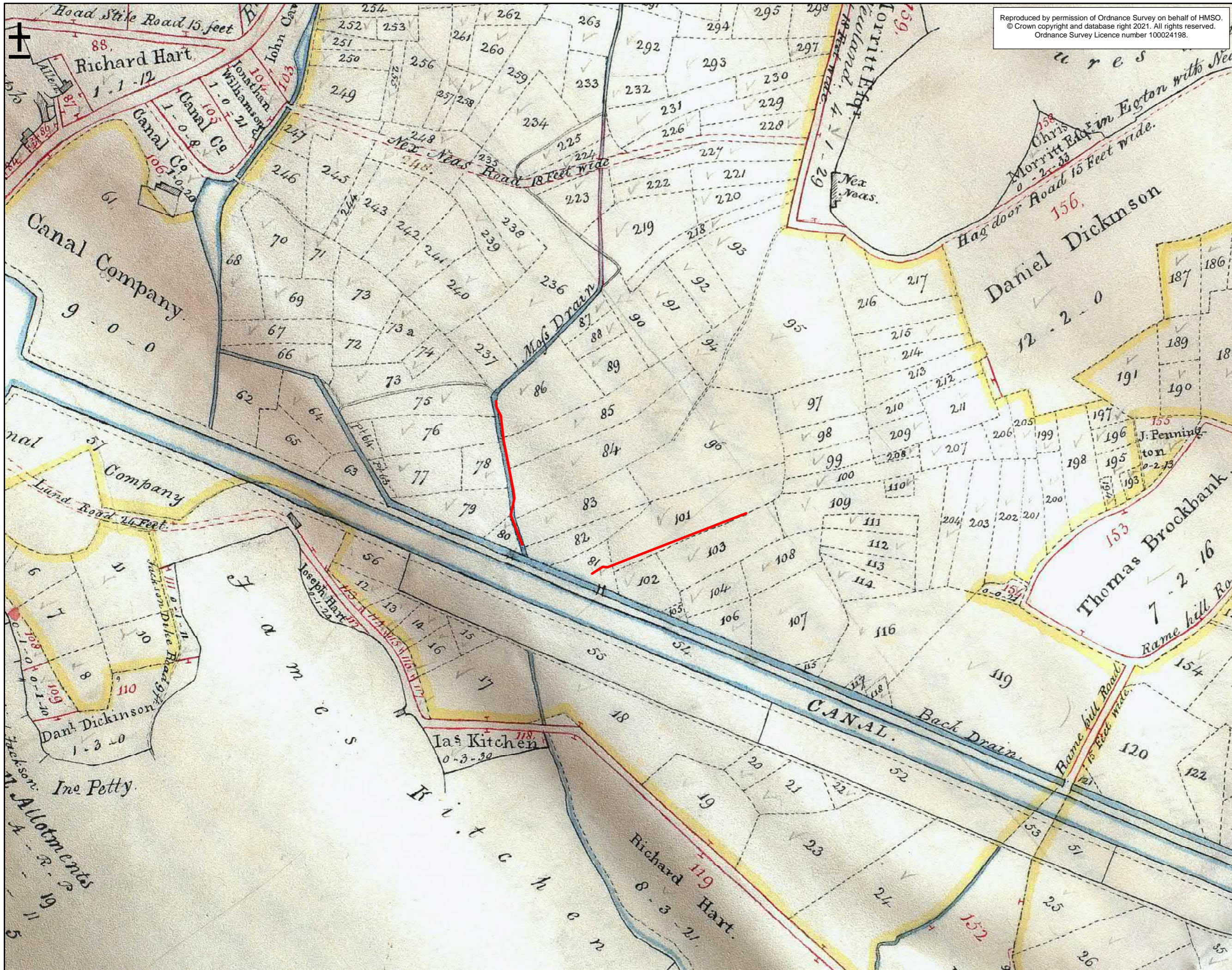
— Hedges



ULVERSTON - HEDGEROWS

APPENDIX A: FIGURE 5  
1812 ENCLOSURE MAP (COPY)

Drawn by: Nathan Thomas	Date: 21/05/2021
Checked by: Aisling Mulcahy	Date: 21/05/2021
Approved by: Simon Griffin	Date: 21/05/2021
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	C.01




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Key Plan:



Legend:

 Hedges

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Project: **ULVERSTON - HEDGEROWS**

Drawing: **APPENDIX A: FIGURE 6  
1812 ENCLOSURE MAP**

Drawn by: Nathan Thomas	Date: 21/05/2021
Checked by: Aisling Mulcahy	Date: 21/05/2021
Approved by: Simon Griffin	Date: 21/05/2021
Drawing No.	Revision
	C.01



## Appendix B. Consultation Response

From: Brennand, Mark <Mark.Brennand@cumbria.gov.uk>  
Sent: 25 May 2021 16:15  
To: Thomas, Nathan  
Cc: Wilson, Scott (Birmingham)  
Subject: [EXTERNAL] RE: Ulverston Hedges

Hi Nathan

The culvert is marked on the third map in your attachment (Figure 3, 1850 map). Our record was created from the early Ordnance Survey mapping. From the way that it is mapped on the HER, the end of the hedge crosses over part of the polygon for the culvert. If you are happy that the two do not intersect, or that the culvert is subterranean, and will not be impacted by the hedge removal, then that is fine.

The HER online has the grid references rounded up, so that sensitive sites cannot be pinpointed exactly. It is only for general information. It is not live, and only updated periodically, so any assessment as part of a professional project should ideally contact the HER directly to be sure the information is correct.

Regards

Mark

---

From: Thomas, Nathan <[Nathan.Thomas@jacobs.com](mailto:Nathan.Thomas@jacobs.com)>  
Sent: 25 May 2021 14:12  
To: Brennand, Mark <[Mark.Brennand@cumbria.gov.uk](mailto:Mark.Brennand@cumbria.gov.uk)>  
Cc: Wilson, Scott (Birmingham) <[Scott.Wilson3@jacobs.com](mailto:Scott.Wilson3@jacobs.com)>  
Subject: RE: Ulverston Hedges

Thanks Mark,

Can you just clarify the location of the culvert for me? The online HER data records it in the middle of the field which is not correct.

I assume the culvert relates to the access over the back-drain which runs parallel to the canal as shown on the attached.

Ay other info in relation to this HER record would be much appreciated.

Kind regards

Nathan

**Nathan Thomas, BSc MSc MCIfA** | [Jacobs](https://www.jacobs.com) | Principal Archaeologist  
T:+44 (0)203 9864264 | M:+44 (0)7552 961202 | [Nathan.Thomas@jacobs.com](mailto:Nathan.Thomas@jacobs.com)  
Kenneth Dibben House Southampton Science Park | Southampton SO16 7NS| United Kingdom

From: Brennand, Mark <[Mark.Brennand@cumbria.gov.uk](mailto:Mark.Brennand@cumbria.gov.uk)>  
Sent: 19 May 2021 16:55  
To: Thomas, Nathan <[Nathan.Thomas@jacobs.com](mailto:Nathan.Thomas@jacobs.com)>  
Cc: Parsons, Jeremy <[Jeremy.Parsons@cumbria.gov.uk](mailto:Jeremy.Parsons@cumbria.gov.uk)>  
Subject: [EXTERNAL] RE: Ulverston Hedges

Dear Nathan

Thank you for your query. I can confirm that the westernmost of the two hedges indicated on the plan provided does not cross or form part of a site recorded in the HER. The southern end of the easternmost hedge does cross the location of a culvert (HER site 16025) associated with the Ulverston Canal. The feature is visible on early Ordnance Survey six inch mapping. I assume that the culvert is a below-ground feature, and thus will not be impacted upon, but I cannot be certain that there are no above-ground elements to the structure.

Regards

Mark

Mark Brennand  
Lead Officer Historic Environment and Commons  
Environment and Regulatory Services  
Cumbria County Council  
County Offices | Kendal | LA9 4RQ  
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---

From: Thomas, Nathan <[Nathan.Thomas@jacobs.com](mailto:Nathan.Thomas@jacobs.com)>  
Sent: 19 May 2021 12:12  
To: Brennand, Mark <[Mark.Brennand@cumbria.gov.uk](mailto:Mark.Brennand@cumbria.gov.uk)>  
Cc: Parsons, Jeremy <[Jeremy.Parsons@cumbria.gov.uk](mailto:Jeremy.Parsons@cumbria.gov.uk)>  
Subject: Ulverston Hedges

Hi Mark,  
Jacobs have been asked to look at a couple of hedges/boundaries to the east of Ulverston to determine if they would be considered important under the 1997 Hedgerow Regulations.

Please see attached plans and historic mapping showing the locations of these boundaries, one of which is a stream.

In accordance with the criteria in schedule 1, part II of the regulations, are you able to confirm:  
that the two boundaries do not incorporate an archaeological feature recorded on the HER;  
are not situated within or are associated with a feature recorded on the HER;  
do not mark a boundary of a pre-1600 AD estate or Manor recorded on the HER.

I have reviewed the online HER data and don't consider the above criteria to be relevant in this instance.

Kind regards

Nathan

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