

Rotary Drilling Report

LOCATION	Meltham House Farm, Meltham House Lane, New Mill, Holmfirth, HD9 7HF
ISSUE DATE	November 2025
FOR	R. Mosley
CLIENT REF.	
OUR REF.	G25306

Prepared by



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Appendix 1 – Site Plans and Borehole Logs

Appendix 2 – Drilling Permit

1. Introduction

In accordance with your instruction, Geoinvestigate Limited carried out a coal drilling investigation at Meltham House Farm, Meltham House Lane, New Mill, Holmfirth, HD9 7HF on 29th October 2025. It is proposed to develop the site by erecting a new livestock shelter. The existing access and track will be utilised for the development.

Geoinvestigate's previous Coal Mining Risk Assessment (CMRA, G25106, April 2025), did not identify past underground mining at the site, however it did identify probable unrecorded shallow workings in the Soft Bed coal seam, which is shown to outcrop close to the site. The site also falls within what the Mining Remediation Authority (formerly The Coal Authority) considers as a "Development High Risk Area".

The purpose of the drilling investigation was to establish if the new building is at risk from surface ground instability arising from historical mineworking.

2. Scope of Investigation

The following scope of investigation was carried out:

- Sinking of (2) rotary open hole boreholes (RH1 & RH2) without core sample recovery to depths of 15m to probe for shallow mine-workings. The boreholes were driven by Geoinvestigate's proprietary Microdrill® system using small volume water flush. The works were carried out under CA permit 30510 and under the site supervision of a competent person.
- Gas monitoring carried out during drilling.
- Provision of a technical report including site plan, photographs and borehole logs and technical discussion.

A site plan and borehole logs are provided in Appendix 1.

3. Findings

Superficial deposits were encountered to a depth of 2.50m in both boreholes, comprising brown drift. This was followed by rockhead of light brown mudstone with sandstone inclusions extending from 2.50m to 15.00m, giving a thickness of 12.50m. Within this mudstone, a change to grey coloration was noted at depths of 8.40m and 8.20m in RH1 and RH2 respectively. No further strata were recorded, and both boreholes terminated at 15.00m.

No evidence of shallow coal seams or coal outcrop was identified in either borehole during drilling, possibly attributable to the site being below the level of the conjectured outcrop of the Soft Bed coal seam.

Full water flush was maintained throughout the drilling of both boreholes.

No hazardous ground gases were recorded on completion of the boreholes.

4. Conclusions

This CMRA follow on drilling investigation has confirmed that mine workings are absent within shallow depth below the new building and no further mitigation neither drilling investigation, special foundation design or drilling and grouting is required in the design of the new building with respect to coal mining legacy issues.

END OF REPORT

The findings and contents of this (intrusive) Site Investigation Report pertain solely to the study area(s) outlined herein and are based solely on the findings of the excavations undertaken as part of the current exercise unless otherwise stated. The findings and/or recommendations of this report do not take into account any ground conditions that may be present but have hitherto not been encountered and as such further investigation and/or a reconsideration of the findings of this report should be undertaken if such conditions are subsequently encountered or an alternative development plan or land use is subsequently proposed.

This report considers various environmental and/or geological risks posed to the site and/or proposed development and offers advice accordingly as guidance only. The findings of this report will remain valid provided no change of ground or groundwater conditions, either natural or anthropogenic, take place and no warranty is offered or implied.

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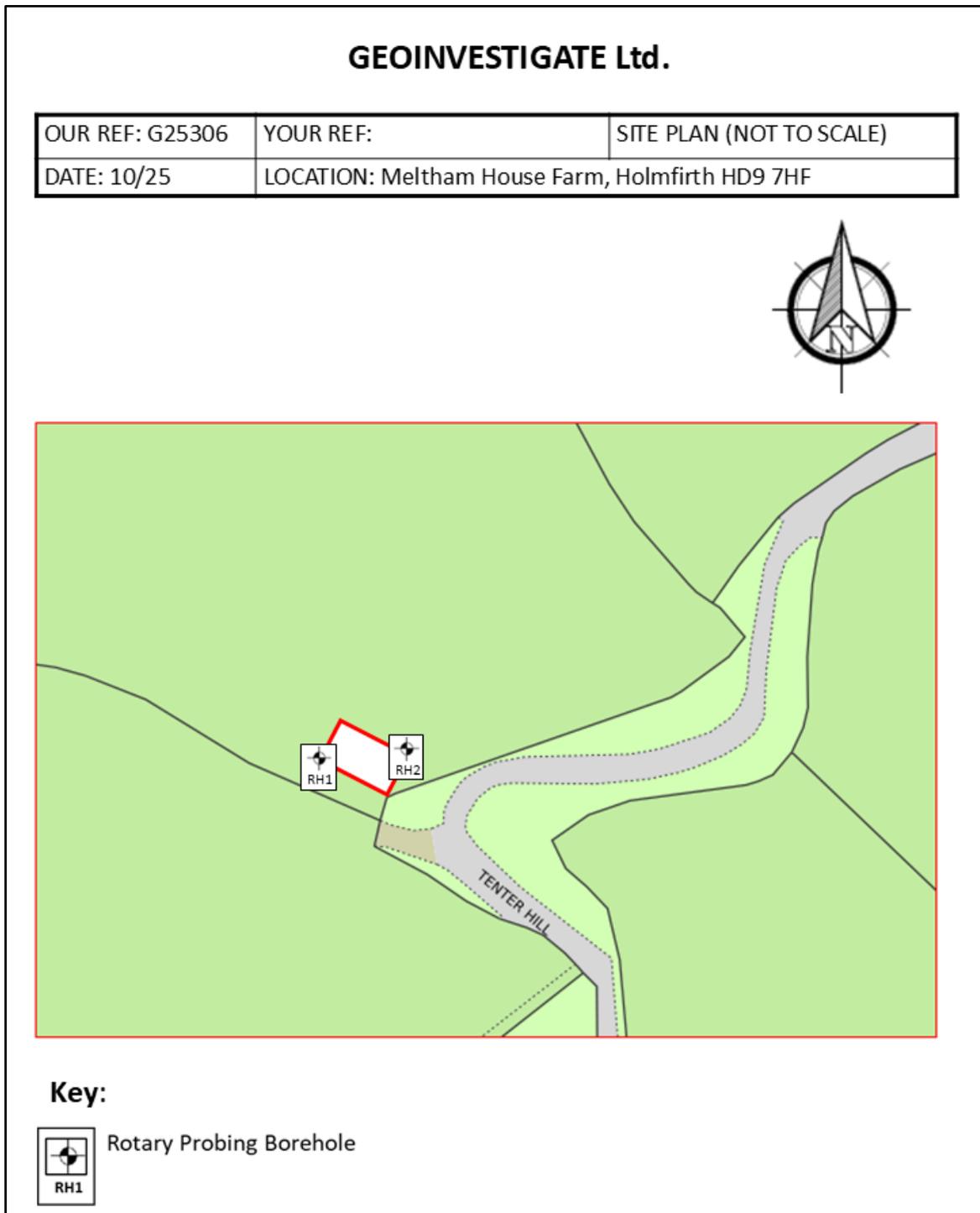
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APPENDIX 1

SITE PLAN & BOREHOLE LOGS





Rotary Borehole Log

Client Ref:
Our Ref: G25306

Date: 29/10/2025

Location: Meltham House Farm, Holmfirth, HD9 7HF

Comments:
RH 1
Sheet No 1 of 1

Depth (m)	Description of Strata	Thickness	Legend	Flush	Depth (m)
2.50	Brown DRIFT.	2,500			2.50
15.00	Light brown MUDSTONE with SANDSTONE inclusions. Becoming grey from 8.40m.	12,500			5.00 7.50 10.00 12.50 15.00
	Rotary hole terminated at 15.00m.				17.50 20.00 22.50 25.00

Remarks:

Casing to 1.00m
 Microdrill rotary open hole borehole to 15.00 m
 No cores recovered from borehole
 No gas detected from borehole on completion
 Full flush maintained. No voids encountered.

RH 1
Drilled by: B.G

Logged by: B.G

 Rotary Borehole Log		Client Ref: G25306 Our Ref: G25306 Date: 29/10/2025 Location: Meltham House Farm, Holmfirth, HD9 7HF Comments:			RH 2 Sheet No 1 of 1	
Depth (m)	Description of Strata	Thickness	Legend	Flush	Depth (m)	
2.50	Brown DRIFT.	2,500			2.50	
15.00	Light brown MUDSTONE with SANDSTONE inclusions. Becoming grey from 8.20m.	12,500			5.00 7.50 10.00 12.50 15.00	
	Rotary hole terminated at 15.00m.				17.50 20.00 22.50 25.00	
Remarks: Casing to 1.00m Microdrill rotary open hole borehole to 15.00 m No cores recovered from borehole No gas detected from borehole on completion Full flush maintained. No voids encountered.				RH 2 Drilled by: B.G Logged by: B.G		

APPENDIX 2

DRILLING PERMIT



Mining
Remediation
Authority

Permit to Enter or Disturb Mining Remediation Authority Interests

Permit 30510

Name and Address of Permit Holder:

Woodcock Rural
Suite 4
Penistone 1
Regent Court
Penistone
S36 6DT

Site Location:

Site at
Meltham House Lane
New Mill
Holmfirth
HD9 7HF

This certificate hereby grants the above named Permit Holder a Permit to carry out:-

Ground investigation by two boreholes to 15m to determine presence of shallow mine workings within the Authority's interests at the identified site location above as shown on the Grant Permit Boundary (overleaf) for the period of **12 months** from the granted date shown below. *The granting of this Permit does not constitute advice given by the Authority in relation to the proposed operations. It is the Permit Holder's responsibility to obtain appropriate health, safety, environmental, technical and legal advice.*

Conditions:

- *Manned entry (i.e.) into mine entries/workings is strictly prohibited.*
- *Water flush*
- *Gas Monitoring CO, CH₄, CO₂, O₂, H₂S at borehole and rig*
- *Operators undertaking the work must be in possession of this certificate and the Permit boundary plan at the time of works*
- *Appropriate borehole sealing without delay and to withstand site level changes*

Signed: David Wilson Granted Date: 23rd October 2025

For and on behalf of the Mining Remediation Authority

Nominated Representative: David Wilson, Permitting Manager

Mining Remediation Authority, Permitting Office, 200 Lichfield Lane, Mansfield, Notts, NG18 4RG
Tel: 01623 637450; E-Mail: permissions@coal.gov.uk

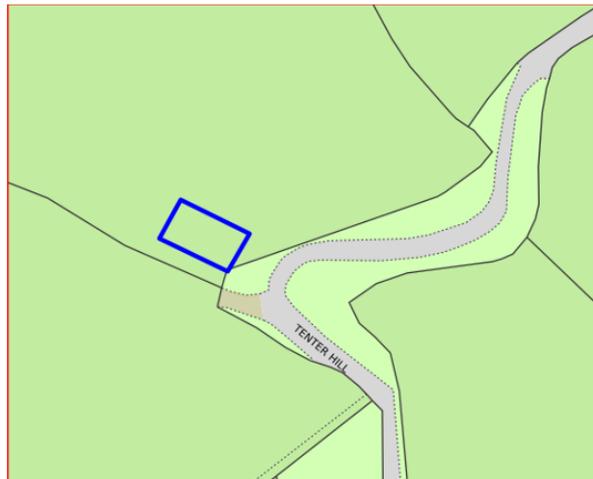


Mining
Remediation
Authority

Granted Permit Boundary

Permit Ref: 30510

Permit Boundary:



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The Mining Remediation Authority is the trading name of the Coal Authority ('TCA') established pursuant to Section 1 of the Coal Industry Act 1994, of 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG. The Coal Authority remains the legal name of the Authority