

HEXA

Co-op Academy Smithies Moor, Heckmondwike

Ground Gas Risk Assessment - Post Grouting Treatment

Hexa ref: SRP1128-HEX-XX-XX-T-S-0005

Date: July 2026

Revision: V01

**Engineering
opportunity.**



Revision	Description	Issued	Checked	Date
P01	First Issue	PS	ML	23/07/2026

Author
Paul Stewart Senior Engineering Geologist

Date
23 July 2026

Checker
Matt Lomas Executive Director

Date
23 July 2026

This report has been prepared for the sole use of the client only. The liability of Hexa Consulting Limited with respect to the information contained within this report will not extend to any third party.

Contents

1.0	Introduction	1
1.1	Project Background	1
1.2	Limitations.....	2
2.0	Regulatory Framework.....	3
3.0	Hexa Ground Investigation Ground Gas Risk Assessment	4
3.1	Introduction.....	4
3.2	Hexa Ground Investigation Conclusions	4
4.0	Drilling and Grouting Treatment Works	5
4.1	Introduction.....	5
4.2	Gas Data.....	6
4.3	Sources and Pathways.....	6
5.0	Conclusions	8

1.0 Introduction

1.1 Project Background

Hexa has been instructed by Bowmer & Kirkland (Client) to undertake a Ground Gas Risk Assessment post the drilling and grouting treatment works at in the **Phase 1 area** at Co-op Academy Smithies Moor, Leeds Old Road, Heckmondwike, WF16 9BB.

A ground gas risk assessment for the site has already been undertaken and is presented in the Hexa, Ground Investigation Report (August 2025). This concluded a low ground gas risk (Characteristic Situation 1), with re-assessment during and after any grouting works.

Due to findings of the previous ground investigations which identified shallow coal workings, grouting treatment for the stabilisation of the ground was required. The treatment works were completed in June 2026. The details of the treatment and the validation for that treatment is presented in Hexa, Validation Report for the Stabilisation of Shallow Coal Mine Workings (August 2026), also in presented Appendix B.

As part of the treatment works, continuous ground gas monitoring was undertaken at all drilling and grouting locations for carbon monoxide (CO), methane (CH₄), carbon dioxide (CO₂), oxygen (O₂) and hydrogen sulphide (H₂S). This was in accordance with the Mining Remediation Authority (MRA) Permit 31391.

The report is intended to present a comprehensive appraisal of the original ground gas risk assessment from the Hexa, Ground Investigation (August 2025) with the additional findings of the treatment works.

The ground gas risk assessment has the following objectives:

- a) Review the appropriate British Standards and other relevant guidance used to derive the ground investigation and subsequent assessment of the site with respect to ground gas risk.
- b) Review the ground gas conceptual site model (CSM), derived in accordance with appropriate current British Standards and guidance.
- c) Summarise the factual information obtained through intrusive investigation and subsequent monitoring of ground gas monitoring wells undertaken by third parties.
- d) Provide a consolidated assessment of ground gas risk based on the available data sources with the assessment undertaken in accordance with current British Standards.

In addition to the above, the report has also considered interpretations and factual information within the following reports:

- Hexa, Ground Investigation Report, Co-op Academy Smithies Moor, Heckmondwike, 601124-HEX-XX-XX-RP-GE-0001-P02, 12.08.2025.
- Hexa, Strategy for Stabilisation of Shallow Coal Mine Workings, Co-op Academy Smithies Moor, Heckmondwike, SRP1128-HEX-XX-XX-RP-S-0002-P04, 11.02.2026.
- Hexa, Validation Report for the Stabilisation of Shallow Coal Mine Workings, Co-op Academy Smithies Moor, Heckmondwike, SRP1128-HEX-XX-XX-RP-S-0004-P02, 20.07.2026.

1.2 Limitations

This document has been prepared based on factual information provided to Hexa by the client which has been accepted in good faith. Hexa cannot be held responsible for inaccuracies in the information provided.

2.0 Regulatory Framework

The following current British Standards have formed the basis of the approach to, and undertaking of, the ground gas risk assessment at the site:

1. BS8485:2015+A1:2019 - Code of Practice for the Design of Protective Measures for Methane and Carbon Dioxide Ground Gases for New Buildings.
2. BS8576:2013 - Guidance on Investigations for Ground Gas - Permanent Gases and Volatile Organic Compounds (VOCs).

The above British Standards refer to additional guidance documents which include CIRIA C665 *Assessing risks posed by hazardous ground* (2007).

Reference is made to the framework provided in the British Standard throughout this report and, where deemed appropriate, supplemented by the current guidance listed below;

- CIRIA C665 *Assessing Risks Posed by Hazardous Ground* (2007).
- CL: AIRE RB17 A Pragmatic Approach to Ground Gas Risk Assessment, 2012.
- CL: AIRE TB17 Ground Gas Monitoring and 'Worst-Case' Conditions, 2018.
- Ambisense and EPG Ltd Using ternary plots for interpretation of ground gas monitoring results. Ground Gas Information Sheet No. 1, 2018.
- Ground Engineering Technical paper: Risk and reliability in gas protection design – 20 years on: Part 1 and Part 2, 2019.
- CL:AIRE, Good practice for risk assessment for coal mine gas emissions, 2021.
- NHBC, NF94 Hazardous ground gas - an essential guide for housebuilders, 2023.

3.0 Hexa Ground Investigation Ground Gas Risk Assessment

3.1 Introduction

The ground gas risk assessment presented in the Hexa, Ground Investigation Report (601124-HEX-XX-XX-RP-GE-0001-P02, 08.2025) included a source risk appraisal, sufficient ground gas monitoring, ground gas data assessment and a detailed review of the Conceptual Site Model (CSM). This was with reference to relevant British Standards and supplemented by recognised industry guidance, including specific documents relating to mine gas risk assessment.

The Hexa ground investigation ground gas risk assessment was for the site as a whole, including the later designated Phase 1 and Phase 2 areas. The subsequent treatment works were only undertaken on the Phase 1 area.

3.2 Hexa Ground Investigation Conclusions

Mine workings identified beneath the site are considered a potential source of ground gas. However, the assessment to date has not identified any credible evidence of mine gas emissions.

Based on all available information, there are sufficient lines of evidence to characterise the site as Low Risk (Characteristic Situation 1).

However, the presence of underlying mine workings remains a factor, and mitigation, such as grouting, is likely to be required to render the site suitable for the proposed development. Accordingly, the ground gas CSM should be re-assessed during and after any grouting works. This may include monitoring of existing or new wells during the works.

The potential for unrecorded mine shafts cannot be discounted. These may represent a direct pathway for mine gas and should be taken into account as the development progresses.

As part of the development works and in accordance with best practice the existing monitoring wells should be suitability decommissioned through grout filling to remove potential pathways for mine gas.

4.0 Drilling and Grouting Treatment Works

4.1 Introduction

Drilling and grouting Treatment works were undertaken between May 2026 and June 2026. These were completed by Van Elle as the specialist contractor under the MRA Permit 31391 and exclusively treated the Phase 1 area. The Phase 1 grouting works are focused on the proposed building footprint and the Phase 1 attenuation tank and part of the Phase 2 attenuation tank. Phase 2 of the grouting treatment has been proposed to take place once the new build school is completed and occupied, and when the existing school has been demolished and will focus on the MUGA and the rest of the phase 2 attenuation tank.

Treatment works were generally conducted on a 'primary' and 'secondary' grid across the Phase 1 area, these were set out on a 6.0 m x 6.0 m grid and generally were drilled to 35.0 m below ground level (bgl). A targeted partial 'tertiary' grid was also used across the area of identified shallow coal mining features/bell pits on the south western side of the site. The grouting grid is shown in Figure 4-1.

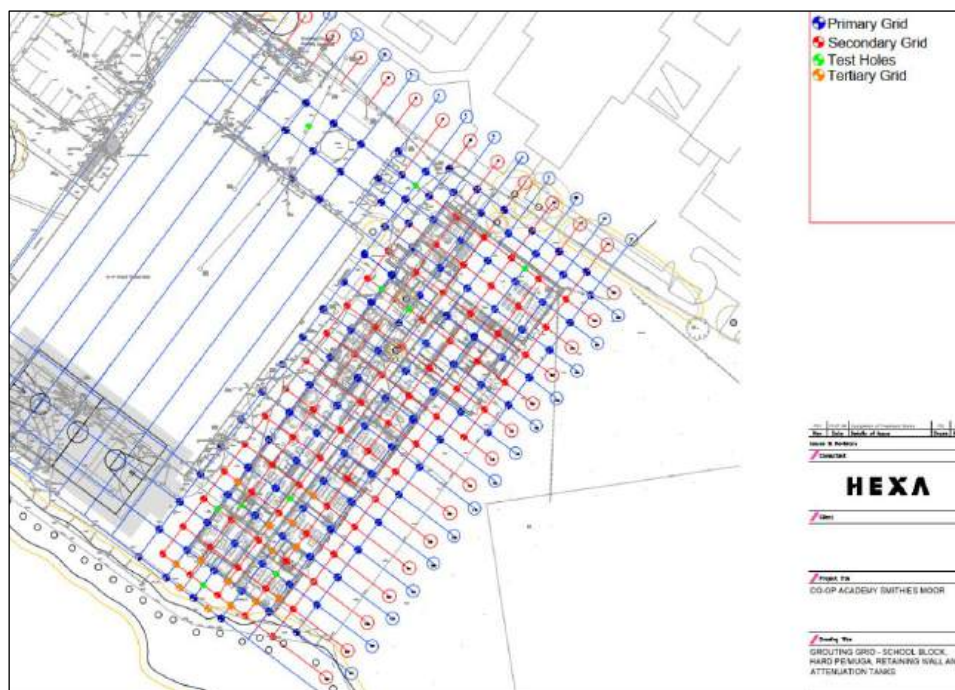


Figure 4-1 - Grouting Grid Post Treatment - SRP1128-HEX-XX-XX-D-S-0002-P01

The ground conditions encountered during the drilling programme were broadly consistent with those anticipated from the available ground investigation data. The shallow coal seam was identified, which had been previously identified as worked by presumed opencast method beneath the south-western part of the site and remained intact towards the central and north-eastern areas.

The Middle Seam beneath sandstones and mudstone at a depth of 13.00 m to 20.00 m bgl, where historical coal mine workings had been recorded and this was confirmed in the grouting positions with evidence of workings in the form of broken/soft ground and intact coal across the treatment area.

The original ground investigation identified a lower coal seam between depths of 25.50 m and 32.70 m bgl. However, this seam was not encountered during the validation drilling, which generally extended to a depth of 35.0 m bgl. This was considered anomalous based on previous investigations and as such five boreholes were advanced to 45.0 m bgl. These deeper boreholes continued to encounter competent sandstone and mudstone strata with occasional traces of coal, but no identifiable lower coal seam or indicators of potential workings identified.

4.2 Gas Data

As part of the treatment works, continuous ground gas monitoring was undertaken at all drilling and grouting locations for carbon monoxide (CO), methane (CH₄), carbon dioxide (CO₂), oxygen (O₂) and hydrogen sulphide (H₂S). This was in accordance with the Mining Remediation Authority (MRA) Permit 31391.

The detection limits for the gas monitors are <0.1% v/v for methane (CH₄), carbon dioxide (CO₂), oxygen (O₂) and 1 ppm for carbon monoxide (CO) and 0.1 ppm for hydrogen sulphide (H₂S). With an instantaneous alarm for 30 ppm of CO, 0.5% for CO₂, 5 ppm for H₂S and a Lower Explosive Limit (LEL) of 20%.

No ground gas was detected and no alarms sounded during the works.

4.3 Sources and Pathways

As discussed in Section 4.1, the ground conditions encountered during the drilling programme were broadly consistent with those anticipated from the available ground investigation data. The lower coal seam identified during the ground investigation was not encountered during the treatment works.

The pre-treatment ground gas risk assessment classified the site as presenting a low ground gas risk. This was based on the absence of any significant gas source associated with the recorded mine workings, together with the findings of the site investigation, which recorded only minimal ground gas concentrations. Furthermore, no gas emissions or unexpected gas inflows were encountered during the drilling or grouting works, providing additional evidence that the mine workings do not represent an active source of ground gas.

The Phase 1 treatment was predominantly undertaken on a nominal 3.0 m × 3.0 m grid. Grout spread between adjacent treatment holes has been demonstrated through the grout take records, validation drilling and the need for only limited tertiary treatment, confirming that the workings have been extensively penetrated and treated. Validation holes consistently encountered grout within the treated zones and no significant open voids were identified. Consequently, there is no evidence to suggest that substantial untreated cavities remain within the treated area that could act as reservoirs for ground gas accumulation.

It is recognised that, in principle, an incompletely grouted mine entry and poorly filled grout treatment holes themselves could provide a preferential migration pathway for ground gas. However, the evidence obtained during the treatment works does not indicate that incomplete grouting has occurred to any significant extent. The observed grout takes, confirmation of grout within validation boreholes and the absence of recorded voids all indicate a high degree of treatment continuity across the workings. Accordingly, whilst the creation or persistence of a localised preferential pathway cannot be discounted entirely, it is considered unlikely based on the treatment records and validation evidence.

During the ground investigation, near-surface historic coal workings were identified in the south-western part of the site. Owing to the shallow depth of the seam, historical mapping and the encountered ground conditions, these were initially interpreted as opencast workings. The treatment works instead indicate that coal extraction in this area was more likely undertaken by columnar mining or bell pits. This revised interpretation does not materially alter the ground gas risk assessment, as the encountered materials and depths were consistent with those identified during the ground investigation, and no significant voids or evidence of gas-bearing features were encountered.

Due to the majority of the Phase 1 treatment area having been drilled on a nominal 3.0 m × 3.0 m grid, the presence of an unrecorded mine shaft within the treated area is considered very unlikely. Consequently, the likelihood of a direct preferential gas migration pathway associated with an unrecorded shaft is also considered to be very low.

Overall, whilst mine workings can theoretically provide migration pathways where a viable gas source exists, the evidence obtained from the site investigation and grouting works indicates no significant ground gas source within the treated workings. In combination with the extensive grout treatment and validation evidence, the residual risk of ground gas migration associated with the treated mine workings is therefore considered to remain **very low**.

5.0 Conclusions & Recommendations

A detailed review has been undertaken of the ground gas risk assessment presented in the Hexa Ground Investigation (August 2025) against the findings of the treatment works documented in the Hexa Validation Report for the Stabilisation of Shallow Coal Mine Workings (August 2026).

The findings of the treatment works provide no evidence of any new or previously unidentified sources of ground gas. Ground conditions encountered during the drilling and grouting programme were broadly consistent with those anticipated from the ground investigation, and no significant voids or gas-bearing features were encountered. Furthermore, continuous monitoring for carbon monoxide (CO), methane (CH₄), carbon dioxide (CO₂), oxygen (O₂) and hydrogen sulphide (H₂S) was undertaken at all drilling and grouting locations throughout the works, with no ground gas detected.

Validation drilling confirmed the presence of grout within the treated zones, providing confidence that the treatment has achieved a high degree of continuity. Although the existence of isolated untreated features cannot be discounted entirely, there is no evidence that these are present and, importantly, there remains no indication of a significant ground gas source within the mine workings.

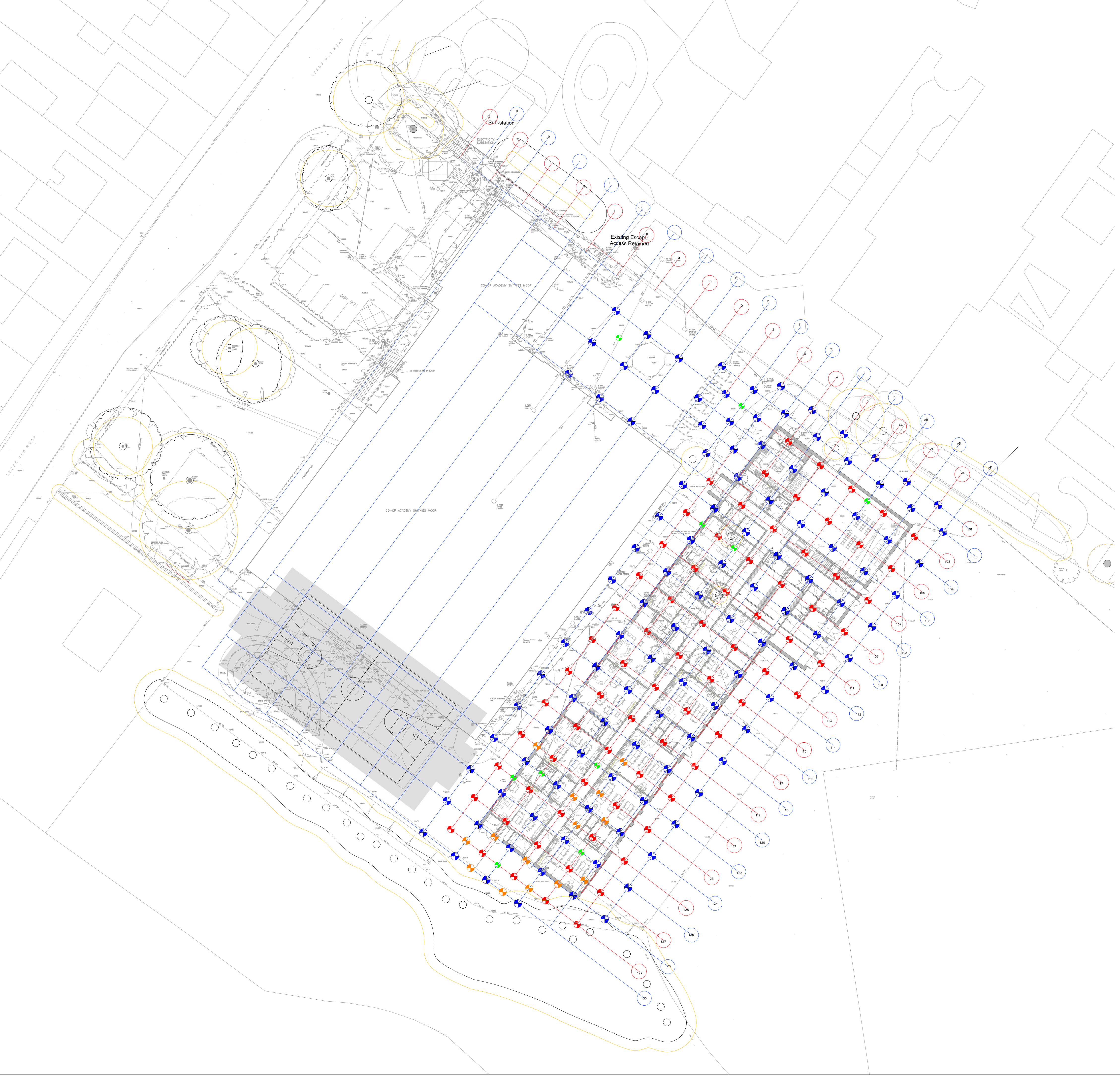
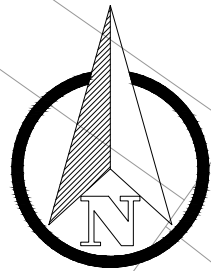
The majority of the Phase 1 treatment area was drilled on a nominal 3.0 m × 3.0 m grid. Consequently, the likelihood of an unrecorded mine shaft remaining within the treated area is considered to be very low, and the potential for a direct preferential gas migration pathway associated with such a feature is also considered to be very low.

Based on the review of the available information, there are sufficient and consistent lines of evidence to conclude that the ground gas risk remains unchanged following the stabilisation works and that the site should continue to be characterised as **Low Risk (Characteristic Situation 1)**. Accordingly, no further ground gas assessment or specific gas protection measures are considered necessary for the proposed school building.

Within the Phase 2 area, the proposed drilling and grouting works should be undertaken in accordance with the Hexa Strategy for the Stabilisation of Shallow Coal Mine Workings. Although it is not anticipated that the ground gas risk will change, the findings of the Phase 2 treatment should be reviewed upon completion and the ground gas risk assessment updated to confirm that the conclusions of this assessment remain valid.

As part of the development works, any boreholes or ground gas monitoring wells installed during the previous site investigations that are no longer required should be appropriately decommissioned and sealed using suitable low-permeability materials in accordance with current best practice. This will ensure that redundant exploratory holes do not remain as potential preferential pathways for groundwater or ground gas migration.

Appendix A – Drawings



- Notes
1. Do not scale this drawing. All dimensions must be checked/ verified on site. If in doubt ask.
 2. This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
 3. All dimensions in meters unless noted otherwise. All levels in metres unless noted otherwise.
 4. Any discrepancies noted on site are to be reported to the engineer immediately.
 5. This drawing should be printed and read in colour.

- Design Notes
1.

Legend

- Primary Grid
- Secondary Grid
- Test Holes
- Tertiary Grid

P01	15.07.26	Completion of Treatment Works	PS	ML
Rev	Date	Details of Issue	Drawn	R'wd
Issues & Revisions				
Consultant				

HEXA

Client

Project Title

CO-OP ACADEMY SMITHIES MOOR

Drawing Title

GROUTING GRID - SCHOOL BLOCK,
HARD PE/MUGA, RETAINING WALL AND
ATTENUATION TANKS

Drawn By	PS	Reviewed By	ML
Hexa Ref	601124	Scale at A1	NTS

Purpose of Issue				Status
Completion of Grouting Works				
Project - Originator - Zone - Level - Type - Revision Number				
SRP1128-HEX-XX-XX-D-S-0002				P01

Appendix B – Hexa Validation Report

HEXA

Co-op Academy Smithies Moor, Heckmondwike

Validation Report for the Stabilisation of Shallow Coal Mine Workings

Hexa Ref: SRP1128-HEX-XX-XX-T-S-0004

Date: July 2026

Revision: P02

**Engineering
opportunity.**

hexaconsulting.co.uk



Revision	Description	Issued	Checked	Date
P01	First Issue	PS	ML	17/07/2026
P02	Revised following client comments	PS	ML	20/07/2026

Author	Signature	Date
Paul Stewart Senior Engineering Geologist		20 July 2026

Checker	Signature	Date
Matt Lomas Executive Director		20 July 2026

This report has been prepared for the sole use of the client only. The liability of Hexa Consulting Limited with respect to the information contained within this report will not extend to any third party.

Contents

1.0	Introduction	4
1.1	Project Background	4
1.2	Site Setting	4
1.3	Sources of Information	5
2.0	Summary of Coal and Coal Mining	7
2.1	Risk Assessment Summary	8
2.2	Summary of the Treatment Strategy.....	8
3.0	Treatment Works – Programme	10
3.1	General Works.....	10
3.2	Ground Conditions.....	10
3.3	Treatment.....	11
3.4	Ground Gas Monitoring	13
3.5	Validation Holes	13
3.6	Grout Testing.....	13
4.0	Validation and Conclusions	14
4.1	Treatment Validation	14
4.2	Conclusion	14

Table of Figures

Figure 1-1 Site Location Plan	5
Figure 1-2 Red Line Boundary Plan.....	5
Figure 3-1 - Highlighted areas of historic shallow coal mining	11

Table of Tables

Table 3-1 - Grout Takes.....	12
Table 3-2 - Grout Takes with the presence of coal mining has been identified	12

1.0 Introduction

1.1 Project Background

Hexa has been instructed by Bowmer & Kirkland (Client) to prepare a validation report following the drilling and grouting of the shallow coal mine workings at Co-op Academy Smithies Moor, Leeds Old Road, Heckmondwike, WF16 9BB.

It is understood the subject site is being considered for the demolition of the existing school building and a new school and hard MUGA/PE area to be constructed.

The proposed works can be seen in the drawing from One-Environments, Co-Op Academy Smithies Moor, Whole Site Plan (Ref : SRP1128-ONE-ZZ-XX-D-L-0003, REV: P08, Dated: 24.04.25) presented in Appendix A.

This report has been commissioned due to the findings of the previous ground investigations, which identified shallow coal workings and necessitated that ground remediation was required for the proposed development.

The strategy for the drilling and grouting works has followed Hexa, Strategy for Stabilisation of Shallow Coal Mine Workings, Co-op Academy Smithies Moor, Heckmondwike, SRP1128-HEX-XX-XX-RP-S-0002-P04, 11.02.2026.

This report presents a summary and assessment of the works with respect to the suitability of the **Phase 1 treatment works** completed. The Phase 1 grouting works are focused on the proposed building footprint and the Phase 1 attenuation tank and part of the Phase 2 attenuation tank. The report identifies notable differences to the expected ground conditions / mine workings and identifies the steps taken to further treat these identified features. Phase 2 of the grouting treatment has been proposed to take place once the new build school is completed and occupied, and when the existing school has been demolished and will focus on the MUGA and the rest of the phase 2 attenuation tank.

1.2 Site Setting

The site address is Co-op Academy Smithies Moor, Leeds Old Road, Heckmondwike, WF16 9BB (NGR SE 22045 24954) and is approximately 1.6 km north from the centre of Heckmondwike.

1.2.1 Site Description

The site is approximately 0.9 Ha and comprises a two-storey school with a central courtyard and a smaller single storey extension to the north of the site. To the north of the school is a bituminous hardstanding car park, with access from Leeds Old Road. From the south west to the south east of the school building are areas of bituminous hardstanding that form the school playground and grassed soft landscaped areas.

To the north west are areas of soft landscaping and mature trees. To the north east of the site is an enclosed, overgrown, soft landscaped area. The site also includes part of the grassed public open space located to the east of the school.

The topography of the site generally is 126 m – 127.5 m Above Ordnance Datum (AOD) with the site sloping gently to the north. To the north east of the school building, the ground sits lower than the rest of the site at approximately 123 m AOD.

The site location plan is shown on Figure 1-1 and the red line boundary plan on Figure 1-2.

Prior to commencement of the treatment works, the ground investigations and the strategy for the stabilisation of shallow coal mine workings were submitted to the Mining Remediation Authority (MRA) and the Local Planning Authority (LPA) as part of planning permission documentation relating to application reference 2025/62/92598/E. There were no additional comments directed to Hexa from MRA regarding the strategy for the stabilisation of the shallow coal mine workings and a Permit for the works issued by the MRA (see Section 3.1)



Figure 1-1 Site Location Plan



Figure 1-2 Red Line Boundary Plan

1.3 Sources of Information

This validation report is based on a strategy that has been written in general accordance with the requirements of C758D Abandoned Mine Workings Manual, C514 Grouting for Ground Engineering and BS EN 12715:2000 Execution of Special Geotechnical Work – Grouting.

In addition to the above, the report has also considered factual data within the following reports:

- Sweco, Coal Mining Risk Assessment, Co-op Academy, Smithies Moor, 65208318-SWE-XX-XX-T-GE-0001, C01, 17.02.2023.
- RSK Geosciences, Phase 1 and Phase 2 Geo-environmental and Geotechnical Factual and Interpretative, Co-op Academy Smithies Moor, 323197-R02 (00), 07.02.2024.
- Hexa, Ground Investigation Report, Co-op Academy Smithies Moor, Heckmondwike, 601124-HEX-XX-XX-RP-GE-0001-P02, 12.08.2025.

Additionally, this report has been prepared in line with the following documents;

- Hexa, Strategy for Stabilisation of Shallow Coal Mine Workings, Co-op Academy Smithies Moor, Heckmondwike, SRP1128-HEX-XX-XX-RP-S-0002-P04, 11.02.2026.
- A later date addition to the appendix of the Hexa, Strategy for Stabilisation of Shallow Coal Mine Workings; Grouting of Unexpected Mine Entry During Routine Drill and Grout Operation.

This report has also been prepared in conjunction with the following document, completed and issued by the grouting contractor;

- Van Elle, Interim Factual Report Drilling and Treatment for Former Shallow Mine Workings, Smithies Moor Academy, VE253567 rv.1, 16.07.2026.

2.0 Summary of Coal and Coal Mining

The site is located within a Development High Risk Area as designated by the Coal Authority/ Mine Remediation Authority (MRA).

The ground conditions encountered during the ground investigations was Made Ground consisting of bituminous hardstanding, topsoils, subbases and shallow workings on the south western side to a maximum depth of 5.00 m bgl. This was underlain by the residual soil of the Pennine Lower Coal Measures, typically a firm clay containing mudstone and coal gravel, encountered at a maximum depth of 6.00 m bgl. A shallow coal seam is also present across the site and is worked on the south western side and is intact on the central and eastern side of the site. The solid geology of the Pennine Lower Coal Measures underlies this, predominantly interbedded mudstone and sandstones.

Two phases of intrusive investigation have been undertaken at the site, the first by RSK in 2024 and supplementary investigation in 2025 undertaken by Hexa.

Across the two phases of investigation three potential seams/ zones of working have been identified within potential influencing depth of the surface of the site. The findings are summarised below and discussed in detail in the Hexa Ground Investigation Report (Ref 601124-HEX-XX-XX-RP-GE-0001-P02, 12.08.2025).

1. Shallow Seam

- Depth Encountered: **0.80–6.15 m bgl** (126.02–120.72 m AOD)
- Encountered across the site.
- Presumed to have been **worked via excavation** along the south-western part of the site. This is on BGS map records and the encountered depth of Made Ground in this area). Seam is encountered **intact** in central and eastern areas.
- Likely extracted historically by **opencast methods**.

2. Middle Seam

- Depth: **13.00–20.00 m bgl** (112.98–106.46 m AOD).
- Maximum thickness of worked/ disturbed zone of **3.02 m**.
- Evidence of **coal workings recorded across the site**, predominantly as broken ground and associated loss of flush. Potential areas of voiding encountered in discrete positions.

3. Lower Seam

- Potential workings at **25.50 m bgl** (100.61 m AOD), drilling halted due to suspected metal obstruction.
- Coal seam at **32.20–32.70 m bgl** (92.98–92.48 m AOD), open-holed with no evidence of workings.
- Poor quality coal encountered at **21.90–22.07 m bgl** (103.74–103.57 m AOD).

2.1 Risk Assessment Summary

Shallow Seam: The risk associated with the shallow seam is considered low. This seam has been largely been assumed to be extracted through opencast methods, and any residual risk can be mitigated through appropriate structural and civil engineering design. Suitable measures include the use of piled foundations, suspended floor slabs, or equivalent solutions to address the presence of locally deeper Made Ground.

Middle Seam: Current investigations indicate insufficient competent rock cover above the middle seams to ensure adequate protection for future development in the event of collapse or consolidation of the identified workings. Consequently, this seam represents a significant geotechnical risk to development.

Lower Seam: The lower seam poses a lower inherent risk than the middle seam due to its greater depth. However, the interaction between the lower and middle seams introduces a potential for cumulative collapse. Instability originating in the lower seam could transfer upward and compromise the middle seam, which in turn presents a greater risk to surface development.

This risk is more pronounced beneath the proposed structures, where changes to existing ground stresses (caused by imposed loads) are likely to be greatest.

The potential consequences of ground movement vary depending on the proposed land use. The impact is considered to be greatest beneath permanent structures and the Multi-Use Games Area (MUGA), where differential settlement or collapse could compromise structural integrity or usability.

Development Area	Relative Risk of Ground Movement	Consequence if Movement Occurs	Mitigation / Management Approach
Proposed Structures (buildings, attenuation tanks, retaining wall)	High	Structural damage, service disruption, potential safety hazard	Ground treatment required
MUGA (Multi-Use Games Area)	Medium-High	Loss of surface integrity, uneven playing surface, reduced usability	Ground treatment required
Car Parking / External Hardstanding	Low-Medium	Localised settlement, cracking or surface deformation; unlikely to affect overall usability	Standard pavement design, localised repairs as required during operational life
General Landscaped Areas	Low	Cosmetic settlement (e.g. uneven ground, ponding); minimal effect on function	Routine landscaping/maintenance during operational life

2.2 Summary of the Treatment Strategy

The treatment strategy for the drilling and grouting works have followed Hexa, Strategy for Stabilisation of Shallow Coal Mine Workings, Co-op Academy Smithies Moor, Heckmondwike, SRP1128-HEX-XX-XX-RP-S-0002-P04, 11.02.2026. The grouting works have been phased with the proposed building and attenuation tank within the north of the site within Phase 1 of grouting and the MUGA, retaining wall and the other attenuation tank within Phase 2. Phase 2 of the grouting treatment has been proposed to take place once the existing school has been demolished.

In summary, the proposed grouting strategy comprised;

Stage 1: Advancing of the drilling on a 'primary' 6.0 m x 6.0 m grid to 35.0 m bgl or a minimum of 2.0 m below suspected/identified workings in the Lower Seam whichever is greater. Across the proposed building footprint and attenuation tanks to facilitate grouting in accordance with the specification. With a 'secondary' 6.0 m x 6.0 m to 35.0 m bgl or a minimum of 2.0 m below suspected/identified workings in the Lower Seam whichever is greater. Across the proposed building footprint.

Stage 2: Dependent on grout takes recorded in the 'primary' and 'secondary' grid, additional grids (i.e. secondary and tertiary grids) were to be considered across the site. Validation drill holes were to be conducted across the area to further confirm the grout take from adjacent positions. If larger or interconnecting cavities are encountered, then the grout mixes and viscosity were to be changed in line with these ground conditions.

Stage 3: No evidence of mine entries have been recorded on site, nor identified during investigations to date. However, as with any site within the coalfield, a background risk remains. If mine entries were encountered then a procedure for assessment and treatment was provided.

3.0 Treatment Works – Programme

This section will document the overall works and the reporting structure.

3.1 General Works

Following submission of the grouting strategy and with additional details as part of the MRA Permitting Process, the works were commenced by Van Elle as the specialist contractor under Permit 31391 (Appendix C).

Treatment works were undertaken between May 2026 and June 2026.

Supervision and review of works has been undertaken on a part-time basis by Hexa from the initial commencement of the works, liaising directly with Van Elle and Bowmer and Kirkland throughout the whole process.

Treatment works within the Structure Zone had a 6.0 m offset from the proposed building footprint and was undertaken as per the Hexa, Strategy for Stabilisation of Shallow Coal Mine Workings (SRP1128-HEX-XX-XX-RP-S-0002-P04, 11.02.2026). Included in the Hexa Strategy is the grouting grid, this grid shows the proposed drill and grout positions. This was set out by a B+K appointed Site Engineer.

Treatment works within the area of the attenuation tanks had a 3.0 m offset from the proposed attenuation tank footprints and was undertaken as per the Hexa, Strategy for Stabilisation of Shallow Coal Mine Workings. The attenuation tanks are outlined in the Hexa, Drainage Layout (SPR1128-HEX-ZZ-ZZ-D-C-9200-P03, 23.01.2026) which is also appended to the grouting strategy.

3.2 Ground Conditions

The ground conditions encountered during the drilling programme were broadly consistent with those anticipated from the available ground investigation data.

Across the site, the shallow coal seam was identified, which had been previously identified as worked by presumed opencast method beneath the south-western part of the site and remained intact towards the central and north-eastern areas.

This shallow seam was underlain by interbedded sandstones and mudstones extending to the Middle Seam, where historical coal mine workings had been recorded and this was confirmed in the grouting positions with evidence of workings in the form of broken/soft ground and intact coal across the treatment area.

The original ground investigation identified a lower coal seam between depths of 25.50 m and 32.70 m bgl. However, this seam was not encountered during the validation drilling, which generally extended to a depth of 35.0 m bgl. This was considered anomalous based on previous investigations and as such five boreholes were advanced to 45.0 m bgl. These deeper boreholes continued to encounter competent sandstone and mudstone strata with occasional traces of coal, but no identifiable lower coal seam or indicators of potential workings identified.

Whilst the drilling commenced within the north of the site, the earthworks contractor were also on site working in unison. The earthworks contractor in the south of the site had conducted a site strip and exposed probable bell pit/coal mining features in the area of suspected open casting of the shallow seam. These are shown and outlined in Figure 3-1.

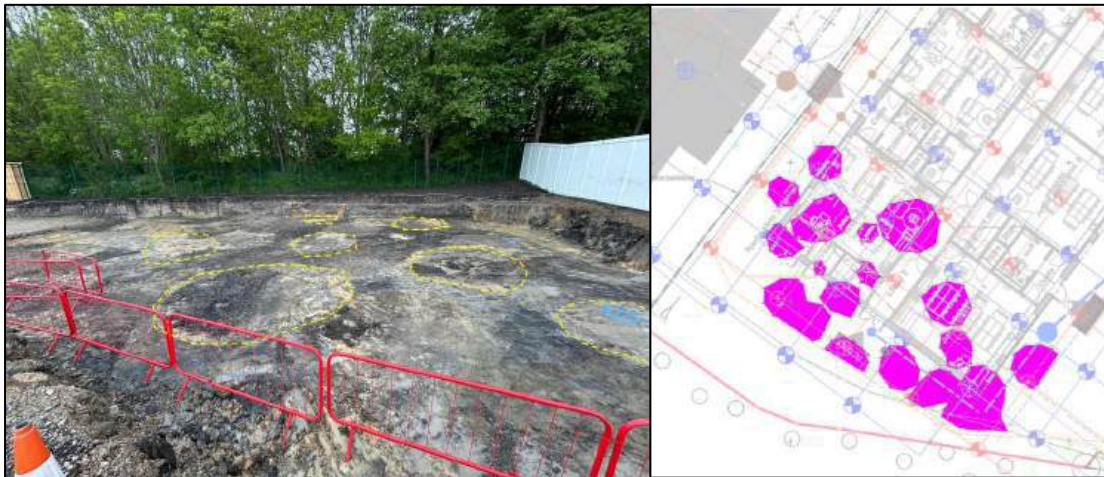


Figure 3-1 - Highlighted areas of historic shallow coal mining in the south west of the site.

During the ground investigations this area had highlighted past coal mining activities, however, due to the shallowness of the coal seam, the historic maps and the encountered ground conditions it was assumed this coal was extracted using opencast methods. The foundations and the stabilisation strategy were designed with this in mind. Instead of opencast methods it appears that the coal was extracted using columnar mining/ bell pits.

The shallow coal mining features/bell pits were identified on site on the 19th May 2026. After the features were identified the works immediately ceased in line with the Hexa Strategy for Stabilisation of Shallow Coal Mine Workings. Following on from the identification, Van Elle first reviewed their safe working practices in conjunction with B+K. Van Elle then concluded that they would proceed with drilling within this area and not change/adapt their current safe working processes (i.e. safe working platform).

To explore the nature of these coal mining features probing was conducted by Van Elle with 15 probing positions, the identified mining features were confirmed to not be shafts and that the broken ground was to a maximum of 5.0 m to 6.0 m bgl, which matched the base of the Made Ground encountered in this area during the previous ground investigations.

Following confirmation of the extent of the features a full review of the current drilling and grouting logs and validation holes was undertaken in conjunction with the mapped out bell pits that had been uncovered and the logs from the drill and grouting within the area of the shallow coal mining features.

After a full review it was decided that additional drill and grout holes were to be conducted to target the shallow mining features/bell pits in line with the Hexa Strategy for Stabilisation of Shallow Coal Mine Workings. These were conducted on the tertiary grid in specific targeted locations as presented in Appendix A.

3.3 Treatment

Treatment works within the proposed building footprint, Phase 1 Attenuation Tank and part of the Phase 2 Attenuation Tank was undertaken as per the Hexa, Strategy for Stabilisation of Shallow Coal Mine Workings (SRP1128-HEX-XX-XX-RP-S-0002-P04, 11.02.2026). Within the structure zone the 'primary', 'secondary' and a partial targeted 'tertiary' grid were conducted. Within the area of the Phase 1 Attenuation Tank and part of the Phase 2 Attenuation Tank as outlined in Hexa, Drainage Layout (SPR1128-HEX-ZZ-ZZ-D-C-9200-P03, 23.01.2026) only the 'primary' grid was conducted. The justification of the grouting grid is presented in Section 2.1 Risk Assessment Summary.

The majority of the locations were drilled to a depth of 35.0 m bgl, to allow for the injection of grout. The majority of the positions were cased to rockhead with grout commencing from the bottom of the hole and moving up through to the surface. The grout mix was undertaken with a 12:1 PFA/Cement ratio due to only narrow cavities being encountered and this was pressurised to 2 Bar. The drilling and grouting logs are presented within the Van Elle factual report and appended to this report (Appendix B).

The aforementioned shallow coal mining features/bell pits were specifically targeted on a partial 'tertiary' grid as presented in Appendix A with depths of casing adjusted to ensure that the infilled material was treated as far as practicable.

This was achieved with an additional 14 locations, these positions had grout takes of between 0.05 tonnes to 0.9 tonnes and grout from adjacent holes were encountered in the majority of these holes. This is evidence of the effectiveness of the grout take in adjacent positions. These positions were drilled to maximum depth of 6.0 m bgl and were placed at an offset of 3.0 m from the initial grids to create a partial targeted 'tertiary' grid.

These locations were chosen to be adjacent to recorded broken ground on the near surface coal seam or comparatively higher grout with consideration to the workings within the middle seam and casing depths.

Overall, there were 239 drilled and grouted holes with the majority of positions drilled vertically and with select positions angled to avoid utilities and existing foundations with the majority of the positions going to a depth of 35.0 m bgl (from the vertical).

The grout takes across the structure zone are presented in Table 3-1.

Table 3-1 - Grout Takes

Average Grout Take per hole (T)	1.66
Maximum Grout in a hole (T)	7.80
Total Grout Take (T)	374

Evidence of workings was encountered in the Middle Seam across the site, identified on Van Elle Logs by descriptions of 'broken ground' or 'soft ground'.

No clear voids were recorded in any position advanced.

Drilling pressures stayed broadly consistent throughout advancement of all positions.

Grout takes in positions with evidence of workings were notably higher than holes than identified intact coal. When broken ground and soft ground have not been recorded the grout take is on average 0.26 tonnes, equivalent to backfilling of the volume of the drilled hole. The average grout take within the middle seam is considered to be typical of worked seams of similar presentation (i.e. backfilled/collapsed and the overall height).

The grout takes when broken or soft ground has been recorded is presented in Table 3-2.

Table 3-2 - Grout Takes with the presence of coal mining has been identified

Average Grout Take per hole (T)	3.0
Maximum Grout in a hole (T)	7.80
Total Grout Take (T)	337

Five positions across the structure zone were drilled to 45.0 m conducted to discount the risk of a deeper/lower seam which was highlighted in the ground investigations. These positions had grout takes of 0.26 tonnes to 0.52 tonnes and did not encounter a lower coal seam.

3.4 Ground Gas Monitoring

In line with the MRA Permit: 31391, continuous ground gas monitoring was undertaken at all drilling and grouting locations for carbon monoxide (CO), methane (CH₄), carbon dioxide (CO₂), oxygen (O₂) and hydrogen sulphide (H₂S). No ground gas was detected during the works.

3.5 Validation Holes

Ten dedicated positions were advanced on completion of the Primary, Secondary and Local Tertiary Grid to allow for validation of the grouting performance.

Seven holes were drilled across the site to 35.0 m bgl to validate the grouting within the middle seam. These were positioned to provide general coverage. The majority encountering grout traces from adjacent positions. The grout takes were low and ranged from 0.26 tonnes to 0.65 tonnes. The minimal grout takes and the identification of grout in select positions indicates that the Primary and Secondary Grid have provided adequate treatment to the Middle Seam.

Three additional positions were chosen as validation holes specifically targeting the shallow near surface workings in the south west of the Site. Validation positions were targeted inside and outside of the local Tertiary Grid. All three positions encountered grout and the range of grout takes were low from 0.16 to 0.32 tonnes, indicating that the treatment afforded to the shallow seam through the works has been effective.

3.6 Grout Testing

As stated within the Hexa, Strategy for Stabilisation of Shallow Coal Mine Workings (SRP1128-HEX-XX-XX-RP-S-0002-P04, 11.02.2026) a number of grout tests were required. The flow test were required to produce a pumpable grout with fluidity (lucidity) in the range of 300-600 mm, the testing on site recorded a fluidity of between 400 – 450 mm. The bleed control tests had a maximum bleed capacity limited to a maximum of 5%, the maximum recorded bleed capacity was 0.3%.

The strength of the grout was also tested, this was required to be no less than 1.0 N/mm² (1 MPa) at 28 days. With a test at 14 days and 28 days. 17 no. strength tests were undertaken by the Socotec laboratory and are presented in Appendix B. The strength tests recorded a compressive strength of between 1.2 to 4.9 N/mm².

4.0 Validation and Conclusions

The coal mine workings identified on the site have been subject to a programme of treatment works. Treatment works have been undertaken in accordance with the Hexa, Strategy for Stabilisation of Shallow Coal Mine Workings with adaptation based on the encountered ground conditions.

4.1 Treatment Validation

Validation of the remediation works was undertaken progressively throughout the grouting programme. The validation process comprised the drilling of test boreholes, installation of a targeted partial tertiary treatment grid, review of all drilling records and grout takes, and ongoing refinement of the grouting strategy to reflect the ground conditions encountered during the works.

Validation boreholes (Section 3.4) were drilled across the site to confirm that the identified mine workings had been adequately treated. Test holes targeting both the shallow seam and the Middle Seam recorded only limited grout takes and, in many cases, intersected grout from adjacent treatment locations, providing confirmation of effective grout continuity and infilling.

In addition, five validation boreholes within the proposed structure zone were advanced to a depth of 45.0 m bgl to investigate the potential presence of a deeper coal seam identified in the original ground investigation. These boreholes recorded only low grout takes and did not encounter the anticipated lower coal seam.

Based on the validation drilling, grout response and treatment records, the Shallow Seam and Middle Seam are considered to have been satisfactorily treated.

Although the original ground investigation suggested the possible presence of a lower coal seam between approximately 25.50 m and 32.70 m bgl, this seam was not encountered during the validation works. Below the Middle Seam, the boreholes consistently recorded competent sandstone and mudstone with occasional traces of coal. The base of Middle Seam was encountered at a maximum depth of 19.30 m bgl, with continuous competent bedrock proven to at least 35.0 m bgl across the site and to 45.0 m bgl at the five deep validation locations. This demonstrates a minimum separation of approximately 15.0 m between the base of the treated Middle Seam and the maximum routine drilling depth, increasing to more than 25.0 m at the deeper validation boreholes.

The original ground investigation was unable to confirm the thickness of the inferred lower seam. Applying the commonly adopted 10:1 zone of influence, any workings at a depth of 35.0 m bgl would need to exceed approximately 1.5 m in extraction height to have the potential to influence the overlying treated Middle Seam. As no lower coal seam or associated mine workings were encountered in either the standard validation boreholes or the five boreholes advanced to 45.0 m bgl, and the Middle Seam has been demonstrated to be satisfactorily treated, the residual risk associated with the inferred deeper seam is considered to be negligible.

4.2 Conclusion

In general, it is considered that the grouting works have successfully stabilised the identified coal mine workings in accordance with the approved grouting strategy and specification. The treatment programme was continuously reviewed throughout the works, with the grouting strategy adapted where necessary to respond to the ground conditions encountered and to ensure that all identified mine workings received appropriate treatment.

In summary:

- Ground conditions encountered during the works were generally consistent with those anticipated from the available ground investigation,
- No significant voiding was identified during drilling or validation.
- Grouting operations have been demonstrated to have successfully treated workings in the Middle and Shallow Seams in accordance with the approved grouting strategy.
- Validation drilling has demonstrated that the treatment objectives have been achieved.
- Continuous ground gas monitoring was undertaken at all drilling and grouting locations for carbon monoxide (CO), methane (CH₄), carbon dioxide (CO₂), oxygen (O₂) and hydrogen sulphide (H₂S). No ground gas was detected during the works and, consequently, no post-completion gas monitoring is considered necessary.

It is therefore concluded that the aims of the Grouting Works Strategy have been achieved. The risks associated with the identified coal mine workings have been mitigated and that the treated areas are suitable for the proposed development.

4.2.1 Closure

In light of the preceding commentary, and with reference to the information required to discharge Condition 18 the works completed are concluded to provide reasonable assurance that the known coal mining legacy features identified within the Phase 1 area have been stabilised. No further works are required with regard to known coal mining legacy features to render the site safe for development in the Phase 1 area.

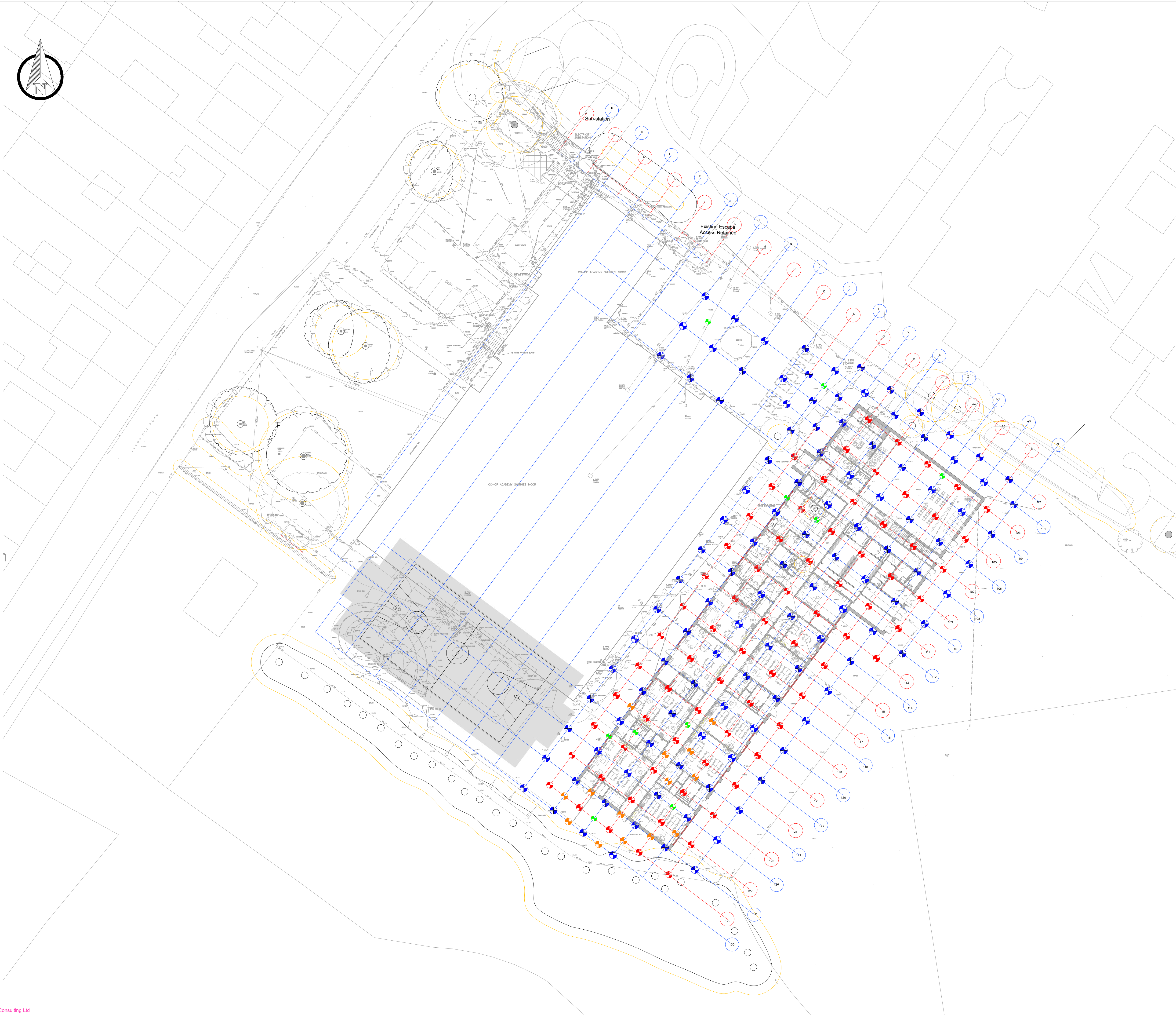
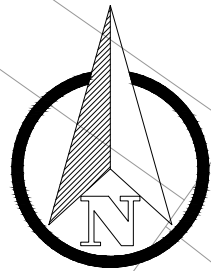
Should the proposed development layout or foundation design be altered, or should the site be subject to future redevelopment, this validation report should be reviewed to confirm its continued applicability. Additional site investigation and/or remediation works may be required depending on the nature and extent of the proposed changes.

Notwithstanding the successful completion of the remediation works, it should be recognised that isolated mining-related features, such as previously unidentified mine entries or other localised mining anomalies, may still be encountered between the treatment grid locations. Although the likelihood of encountering such features is considered to be low, normal vigilance should be maintained during all earthworks, both within and outside the treated areas. Should any unexpected mining features or evidence of instability be encountered, works should cease locally and appropriate geotechnical advice should be sought before construction continues.

This document is for the validation of the grouting within the **Phase 1 area**. An updated validation report will need to be conducted for the Phase 2 area.

The shallow coal mining features are likely to extend north west into the area of the proposed MUGA. Once the second Phase of drilling and grouting commences this area will need to be revisited and potentially with adaptations to the strategy allowing for additional grouting of these features if encountered and uncovered during enabling works.

Appendix A – Drawings



- Notes
1. Do not scale this drawing. All dimensions must be checked/ verified on site. If in doubt ask.
 2. This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
 3. All dimensions in meters unless noted otherwise. All levels in metres unless noted otherwise.
 4. Any discrepancies noted on site are to be reported to the engineer immediately.
 5. This drawing should be printed and read in colour.

- Design Notes
1.

- Legend
- Primary Grid
 - Secondary Grid
 - Test Holes
 - Tertiary Grid

P01	15.07.26	Completion of Treatment Works	PS	ML
Rev	Date	Details of Issue	Drawn	R'wd
Issues & Revisions				
Consultant				

HEXA

Client

Project Title

CO-OP ACADEMY SMITHIES MOOR

Drawing Title

GROUTING GRID - SCHOOL BLOCK,
HARD PE/MUGA, RETAINING WALL AND
ATTENUATION TANKS

Drawn By	PS	Reviewed By	ML
Hexa Ref	601124	Scale at A1	NTS

Purpose of Issue				Status
Completion of Grouting Works				
Project - Originator - Zone - Level - Type - Revision Number				
SRP1128-HEX-XX-XX-D-S-0002				P01

Appendix B – Van Elle Factual Report

253567

Smithies Moor Academy – Interim Report



Interim Factual Report. Rv.1
Drilling and Treatment for Former Shallow Mine
Workings

Van Elle
Summit Close
Kirkby-in-Ashfield
Nottinghamshire
NG17 8GJ
01773 580580

Contents

Control Sheet	3
Introduction	5
Methodology – Drill and Grouting	5
Summary of Works Carried Out.....	7
Conclusion.....	7

Control Sheet

This report has been prepared for the sole benefit, use and information of Bowmer and Kirkland Limited for the purposes set out in the instructions commissioning it. The liability of Van Elle Ltd in respect of the information contained in the report will not extend to any third party.

This report is entirely factual and is not a Completion or Validation report as HEXA Land Limited are acting as the Geotechnical Consultant and Validating Engineer.

Summary Table	
Interim Factual Report for the probing and treatment of shallow workings beneath the Smithies Moor Academy.	
SITE	Smithies Moor Academy
CLIENT	Bowmer and Kirkland
DATE	25/06/2026
REFERENCE	VE253567

Development Proposal	Bowmer & Kirkland (B&K) are currently in the process of redeveloping the existing Smithies Moor Academy and due to planning conditions and the results of a site investigation; there exists the possibility of ground instability due to the collapse of underlying former shallow mine workings. This report gives a factual account of the works carried out including shallow mine workings treatment.
Geological Setting / Coal Mining Legacy	The site is underlain by the Pennine Lower Coal Measures consisting productive coal-bearing mudstones, siltstones, and sandstones. Superficial deposits consist of made ground and weathered mudstones. The Mining Remediation Authority (MRA) deems the site to be High Risk for development due to the sites historical mining environment.
Scope of Works	Due to the potential proposed end use of the site, i.e. educational facility, it is necessary to ensure that any residual risk from the site's mining past is mitigated and reduced. It would therefore be a requirement of the Local Authority and the MRA that the mine workings are

	investigated and treated to prevent any potential surface instability in the future.
--	--

Conclusion	228 No. production boreholes were drilled at the site to investigate and treat identified underlying shallow mine workings beneath the site. The majority of the boreholes showed solid coal (53%) with no sign of workings. 45% of the holes drilled encountered soft drilling and broken ground, evidence of former workings. 9 No. test holes were also drilled to assist in validation of the works. During the works several anomalous features were found, these were interpreted as being Old Bell Pits. Following a review by the Supervising Engineer, additionally drilling and grouting was undertaken to treat the anomalous features. This was carried out within the existing borehole grid and localised to treat these features. Validation boreholes were drilled to check treatment. There was no requirement to change the methodology of the works. All positions drilled were grouted using a 12:1 PFA: OPC grout, with average grout takes of 1.65 tons per borehole.
Recommendations	As with all formerly mined sites, there is always a possibility of unknown mineshafts/bell pits/adits and previously formed crown holes being present on site. We would suggest that there is a watching brief whilst undertaking any excavation/earthworks on site and any changes in fill material or colour are noted and investigated.

Prepared by	Paul Grocott MIMMM FGS	Signed 	Date 26/06/2026
Approved by	Dave Bourne	Signed <i>D. Bourne</i>	Date 26/06/2026

Introduction

Bowmer and Kirkland have instructed Van Elle (VE) to carry out the investigation and stabilisation of potential shallow workings beneath a new proposed school.

The stabilisation and treatment was carried out by Drilling and Grouting, an industry wide term, used to describe the processes identified and described below.

The site is currently a mixture of rough ground, tarmac and other hard standing and is located within the site boundary of the existing Smithies Moor Academy. The site location is shown below on Figure 1.



Figure 1: Site plan

As part of the pre-construction phase of the redevelopment, a site investigation was commissioned to assess the land and to identify any risk posed by a former mining environment given the areas history. The investigation showed that the site could be at risk and therefore a drilling and grouting exercise would need to take place.

All works were carried out in line with recommendations given in section 13.5.4 of CIRIA Publication 758D, 2019.

Methodology – Drill and Grouting

A 6m x 6m grid was superimposed on the proposed layout to cover the area. Treatment boreholes were drilled to an average depth of 35m or 1m below the seam / workings. Figure 2 below shows the drilling grid:



Figure 2: Treatment plan

The works involved the drilling of 101mm/72mm diameter boreholes to access the underlying workings/geology to ascertain if treatment was required.

All works were carried out by a Casagrande C6 rotary percussive drill rigs, using water as the flushing medium to assist in the drilling through hard strata and to reduce the risk of releasing perched mine gases.

The crew set up the rig at the drilling location with the initial lengths of 101mm casing installed on the mast. The driller then commenced drilling and installed the first lengths casing into the ground. With the initial casing lengths installed, the driller split off the drill head from the casing, then raising the drill head to a suitable position for accepting the next length of the casing. This process was repeated until the casing reached rockhead, where it was socketed in to give a tight seal, thus preventing grout loss.

Once the casing was installed to rockhead and sealed, the smaller diameter drill rods (T38) were added to the mast and a 72mm drill bit fitted to drill down to the target seam.

Once the target seam had been reached and an open borehole achieved, the borehole was further cleaned out by moving the rods up and down on the mast, allowing any materials that had spalled into the borehole to be removed.

The entire drill string was then removed, and the borehole deemed complete and ready for grouting.

During the drilling process, accurate logs of depths, loss of flush, geology and any workings encountered were recorded. Logs attached and can be found in Appendix 1.

Grouting works commenced once there were enough holes drilled out within the treatment area to permit and accommodate the batching of a full grout mix with minimal wastage. Logs can be found attached in Appendix 2.

The grout consisted of an PFA / OPC cementitious grout, mixed and injected through an electric 6-ton mixer. Grout was pumped to each borehole through a series of 3" and 2" Grout lines. All boreholes were grouted to surface.

Summary of Works Carried Out

In total 228No. treatment boreholes were drilled to an average depth of 35m below ground level (bgl). The majority of boreholes recorded solid coal in all seams with only 45% of all holes recording soft drilling / broken ground, evidence of past shallow mine workings.

All boreholes were grouted up to surface to either treat the former shallow workings or to backfill the solid coal boreholes.

9No. pressure tests were carried out to validate the works and prove treatment. All 9No. tests passed with no loss of pressure or excessive grout takes.

Total Production Boreholes	Meterage Drilled	Grout Total	Average Grout Take
228	7,102m	378.04 tons	1.65 ton

During the works several suspected bell pits were encountered, and VE undertook 15 no. exploratory boreholes to investigate the features. HEXA, acting as Geotechnical Consultant deemed the grouting being carried out on the 6m x 6m grid would be sufficient and therefore now additional treatment of these bell pits was carried out.

Conclusion

Positions drilled across the site recorded evidence of a former shallow mine working environment.

Of all the boreholes drilled only 45% showed evidence former shallow mine workings with soft drilling / broken ground being recorded. Each borehole was grouted and back filled with a 12:1 PFA/OPC grout, and on removal of the casing, boreholes were topped up to surface.

Validation boreholes were drilled across the site, to ensure treatment of any workings was complete. Validation boreholes were drilled and pressurised to 2 bar of back pressure to ensure treatment had been successful. All test holes held the required pressure with no loss of pressure or excessive grout takes. All Validation holes passed with no drop in pressure or excessive grout take.

Van Elle are satisfied that the risk from former shallow mine workings based on the evidence gleaned from the drilling and grouting exercise is negligible, and that any future development can go ahead unhindered.

As with all formerly mined sites, there is always a possibility of unknown mineshafts/bell pits/adits and previously formed crown holes being present on site. We would suggest that there is a watching brief whilst undertaking any excavation/earthworks on site and any changes in fill material or colour are noted and investigated.

The MUGA is yet to be investigated and treated and will be carried out at a future date.

Appendix 1:

Drillers Logs



Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
Telephone: (01773) 580580 Fax: (01773) 862100
Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

Open Hole Drillers Log

Site: <u>SPRINTS MOOR ACADEMY</u>			Sheet: <u>1</u> of <u>2</u>		
Rig: <u>CBX2 1855</u>		Crew: <u>Scott R, Ross S</u>		Date: <u>6.5.26</u>	
Hours on Site:			Travelling Time:		
BH	Depth	Strata Description	BH	Depth	Strata Description
P3	0-2.0	OVERBURDEN	P5	0-2.0	OVERBURDEN
	2.0-14.0	SANDSTONE, MUDSTONE		2.0-14.1	SANDSTONE, MUDSTONE
	14.0-16.4	BROWN GRAVEL N/R		14.1-16.5	COAL BANDS
	16.4-35.0	SAND N/R		16.5-35.0	SANDSTONE, MUDSTONE
		2.0m CASED			2.0m CASED
N3	0-2.0	OVERBURDEN	N5	0-2.0	OVERBURDEN
	2.0-14.2	SANDSTONE, MUDSTONE		2.0-14.1	SANDSTONE, MUDSTONE
	14.2-16.2	COAL BANDS		14.1-17.0	SOFT N/R
	16.2-35.0	SANDSTONE, MUDSTONE		17.0-35.0	SAND N/R
		2.0m CASED			2.0m CASED
L3	0-2.0	OVERBURDEN	L5	0-2.0	OVERBURDEN
	2.0-14.0	SANDSTONE, MUDSTONE		2.0-14.2	SANDSTONE, MUDSTONE
	14.0-17.0	BROWN GRAVEL N/R		14.2-17.0	SOFT N/R
	17.0-35.0	SAND N/R		17.0-35.0	SAND N/R
		2.0m CASED			2.0m CASED
					2.0m CASED

Casing/Water Level Details

BH	Casing		Water			Totals	BH	Drill	Case	Install
	Dia	Depth	Strike	Rise	Sealed	Today	6	210	12	
						Previous	-	-	-	
						To Date	6	210	12	

I confirm this is a true record.

Van Elle operative name: Simon Bell

Drill hole Nos. checked Yes ☒ No ☐

Hole Depth checked Yes ☒ No ☐

SIGNED

Dated 6.5.26

Client's Name: Joe Jones

Client's position: Engineer

Signature: [Signature]

Dated: 13/05/26

Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
Telephone: (01773) 580580 Fax: (01773) 862100
Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

[illegible]



Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
 Telephone: [01773] 580580 Fax: [01773] 862100
 Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

Open Hole Drillers Log

Site: <u>SPRINTERS MOOR ACADEMY</u>			Sheet: <u>1</u> of <u>2</u>		
Rig: <u>C6XP 2 1855</u>		Crew: <u>SCOTT R, ROSS S</u>		Date: <u>7.5.26</u>	
Hours on Site:			Travelling Time:		
BH	Depth	Strata Description	BH	Depth	Strata Description
L7	0-2.0	OVERBURDEN	T2	0-2.0	OVERBURDEN
10°	2.0-14.6	SANDSTONE, MUDSTONE		2.0-14.0	SANDSTONE, MUDSTONE
	14.6-16.6	COAL BANDS		14.0-17.0	Soft N/A
	16.6-35.0	SANDSTONE, MUDSTONE		17.0-35.0	Solid N/A
		2.0m CASED			2.0m CASED
N7	0-2.0	OVERBURDEN	U1	0-2.0	OVERBURDEN
10°	2.0-14.6	SANDSTONE, MUDSTONE		2.0-13.7	SANDSTONE, MUDSTONE
	14.6-16.5	COAL BANDS		13.7-16.8	Soft N/A
	16.5-35.0	SANDSTONE, MUDSTONE		16.8-35.0	Solid N/A
		2.0m CASED			2.0m CASED
R2	0-2.0	OVERBURDEN	S3	0-2.0	OVERBURDEN
	2.0-13.0	SANDSTONE, MUDSTONE		2.0-14.6	SANDSTONE, MUDSTONE
	13.0-16.5	BROWN GRANO N/A		14.6-16.6	COAL BANDS
	16.5-35.0	Solid N/A		16.6-35.0	SANDSTONE, MUDSTONE
		2.0m CASED			2.0m CASED

Casing/Water Level Details

BH	Casing		Water			Totals	BH	Drill	Case	Install
	Dia	Depth	Strike	Rise	Sealed	Today	6	210	12	
						Previous	7	245	14	
						To Date	13	455	26	

I confirm this is a true record

Van Elle operative name STEVEN BELL

Drill hole Nos. checked Yes ☒ No ☐

Hole Depth checked Yes ☒ No ☐

SIGNED S. Bell

Dated 7.5.26

Client's Name Joe Jones

Client's position Engineer

Signature [Signature]

Dated 13/05/26

Open Hole Drillers Log

[illegible]



Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
Telephone: (01773) 580580 Fax: (01773) 862100
Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

Open Hole Drillers Log

Site: <u>SMITHIES MODE ACADEMY</u>			Sheet: <u>1</u> of <u>1</u>		
Rig: <u>CBXP 2 1855</u>		Crew: <u>S. BELL, G. BRAN</u>		Date: <u>8.5.26</u>	
Hours on Site:			Travelling Time:		
BH	Depth	Strata Description	BH	Depth	Strata Description
<u>T6</u>	<u>0-2.0</u>	<u>OVERBURDEN</u>	<u>V3</u>	<u>0-2.0</u>	<u>OVERBURDEN</u>
	<u>2.0-13.7</u>	<u>SANDSTONE, MUDSTONE</u>		<u>2.0-14.0</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>13.7-16.5</u>	<u>SOFT N/R</u>		<u>14.0-17.0</u>	<u>SOFT N/R</u>
	<u>16.5-35.0</u>	<u>SOLID N/R</u>		<u>17.0-35.0</u>	<u>SOLID N/R</u>
		<u>2.0m CASED</u>			<u>2.0m CASED</u>
<u>T4</u>	<u>0-2.0</u>	<u>OVERBURDEN</u>	<u>55</u>	<u>0-2.0</u>	<u>OVERBURDEN</u>
	<u>2.0-14.4</u>	<u>SANDSTONE, MUDSTONE</u>		<u>2.0-14.4</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>14.4-16.5</u>	<u>COAL BANDS</u>		<u>14.4-16.4</u>	<u>COAL BANDS</u>
	<u>16.5-35.0</u>	<u>SANDSTONE, MUDSTONE</u>		<u>16.4-35.0</u>	<u>SANDSTONE, MUDSTONE</u>
		<u>2.0m CASED</u>			<u>2.0m CASED</u>
<u>U5</u>	<u>0-2.0</u>	<u>OVERBURDEN</u>			
	<u>2.0-14.4</u>	<u>SANDSTONE, MUDSTONE</u>			
	<u>14.4-16.4</u>	<u>COAL BANDS</u>			
	<u>16.4-35.0</u>	<u>SANDSTONE, MUDSTONE</u>			
		<u>2.0m CASED</u>			

Casing/Water Level Details

BH	Casing		Water			Totals	BH	Drill	Case	Install
	Dia	Depth	Strike	Rise	Sealed	Today				
						Previous				
						To Date				

I confirm this is a true record.

Van Elle operative name: STEVEN BELL

Drill hole Nos. checked Yes ☒ No ☐

Hole Depth checked Yes ☒ No ☐

SIGNED S. Bell

Dated 8.5.26

Client's Name: JOE JONES

Client's position: Engineer

Signature: [Signature]

Dated: 13/05/26



Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
Telephone: (01773) 580580 Fax: (01773) 862100
Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

Open Hole Drillers Log

Site: <u>SMITHIES MOOR ACADEMY</u>			Sheet: <u>1</u> of <u>1</u>		
Rig: <u>CB-XP2 RSS</u>		Crew: <u>SCOTT R. ROSS</u>		Date: <u>11.5.26</u>	
Hours on Site:			Travelling Time:		
BH	Depth	Strata Description	BH	Depth	Strata Description
<u>T14</u>	<u>0-1.0</u>	<u>OVERBURDEN</u>			
	<u>1.0-14.5</u>	<u>SANDSTONE, MUDSTONE</u>			
	<u>14.5-16.5</u>	<u>COAL BANDS</u>			
	<u>16.5-35.0</u>	<u>SANDSTONE, MUDSTONE</u>			
		<u>2.0m CASED</u>			
<u>V14</u>	<u>0-1.0</u>	<u>OVERBURDEN</u>			
	<u>1.0-14.0</u>	<u>SANDSTONE, MUDSTONE</u>			
	<u>14.0-17.0</u>	<u>BROKEN GRAVEL N/A</u>			
	<u>17.0-35.0</u>	<u>SAND N/A</u>			
		<u>2.0m CASED</u>			
<u>V13</u>	<u>0-1.0</u>	<u>OVERBURDEN</u>			
	<u>1.0-14.5</u>	<u>SANDSTONE, MUDSTONE</u>			
	<u>14.5-16.5</u>	<u>COAL BANDS</u>			
	<u>16.5-35.0</u>	<u>SANDSTONE, MUDSTONE</u>			
		<u>2.0m CASED</u>			

Casing/Water Level Details

BH	Casing		Water			Totals	BH	Drill	Case	Install
	Dia	Depth	Strike	Rise	Sealed	Today	<u>3</u>	<u>105</u>	<u>6</u>	
						Previous	<u>19</u>	<u>665</u>	<u>38</u>	
						To Date	<u>22</u>	<u>770</u>	<u>44</u>	

I confirm this is a true record.

Van Elle operative name: STEVEN BELL

Drill hole Nos. checked Yes ☒ No ☐

Hole Depth checked Yes ☒ No ☐

SIGNED S. Bell

Dated 11.5.26

Client's Name: Mr Jones

Client's position: Engineer

Signature: [Signature]

Dated: 13/05/26



Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
Telephone: [01773] 580580 Fax: [01773] 862100
Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

Open Hole Drillers Log

Site: <u>SMITHIES ROAD ACADEMY</u>				Sheet: <u>1</u> of <u>2</u>			
Rig: <u>C6 XP 1290</u>			Crew: <u>MATT C. A. COX</u>			Date: <u>12.5.26</u>	
Hours on Site:				Travelling Time:			

BH	Depth	Strata Description	BH	Depth	Strata Description
AE1	0-2.7	OVERBURDEN	AD2	0-2.7	OVERBURDEN
2°	2.7-3.0	COAL		2.7-3.3	COAL
	3.0-16.0	SANDSTONE, MUDSTONE		3.3-16.2	SANDSTONE, MUDSTONE
	16.0-17.2	COAL		16.2-17.2	COAL
	17.2-35.0	SANDSTONE, MUDSTONE (COAL TRACES)		17.2-35.0	SANDSTONE, MUDSTONE (COAL TRACES)
		4.0m CASED			4.0m CASED
AF2	0-2.7	OVERBURDEN	AC1	0-2.7	OVERBURDEN
6°	2.7-3.2	COAL	2°	2.7-3.2	COAL
	3.2-16.1	SANDSTONE, MUDSTONE		3.2-16.0	SANDSTONE, MUDSTONE
	16.1-17.6	BROKEN BEDDING N/R		16.0-17.2	COAL
	17.6-35.0	SOLID N/R		17.2-35.0	SANDSTONE, MUDSTONE (COAL TRACES)
		4.0m CASED			4.0m CASED
AE3	0-2.6	OVERBURDEN	AC3	0-2.7	OVERBURDEN
2°	2.6-3.2	COAL		2.7-3.3	COAL
	3.2-16.0	SANDSTONE, MUDSTONE		3.3-15.9	SANDSTONE, MUDSTONE
	16.0-17.2	COAL		15.9-17.3	COAL
	17.2-35.0	SANDSTONE, MUDSTONE (COAL TRACES)		17.3-35.0	SANDSTONE, MUDSTONE (COAL TRACES)
		4.0m CASED			4.0m CASED

Casing/Water Level Details										
BH	Casing		Water			Totals	BH	Drill	Case	Install
	Dia	Depth	Strike	Rise	Sealed	Today				
						Previous				
						To Date				

I confirm this is a true record.				Client's Name <u>John Jones</u>			
Van Elle operative name <u>Steve Bell</u>				Client's position <u>Engineer</u>			
Drill hole Nos. checked Yes ☒ No ☐				Signature <u>[Signature]</u>			
Hole Depth checked Yes ☒ No ☐				Dated <u>13/05/26</u>			
SIGNED <u>S. Bell</u>							
Dated <u>12.5.26</u>							

BH	Casing		Water			Totals	BH	Drill	Case	Install
	Dia	Depth	Strike	Rise	Sealed	Today				
						Previous	28	980	68	
						To Date	29	1,015	72	

I confirm this is a true record.
 Van Elle operative name STEVEN BELL

Drill hole Nos. checked Yes ☒ No ☐
 Hole Depth checked Yes ☒ No ☐

SIGNED S. BELL
 Dated 12.5.26

Client's Name Joe Jones
 Client's position Engineer
 Signature [Signature]
 Dated 12/05/26



Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
 Telephone: [01773] 580580 Fax: [01773] 862100
 Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

Open Hole Drillers Log

Site: <u>SMITHIES MOOR ACADEMY</u>			Sheet: <u>1</u> of <u>1</u>		
Rig: <u>C6 XP RSS</u>		Crew: <u>SCOTT R. ROSS S</u>		Date: <u>12.5.26</u>	
Hours on Site:			Travelling Time:		
BH	Depth	Strata Description	BH	Depth	Strata Description
<u>T12</u>	<u>0-1.0</u>	<u>OVERBUNDEN</u>	<u>V10</u>	<u>0-1.0</u>	<u>OVERBUNDEN</u>
	<u>1.0-14.5</u>	<u>SANDSTONE, MUDSTONE</u>		<u>1.0-14.5</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>14.5-17.0</u>	<u>BROKEN GROUND n/r</u>		<u>14.5-17.0</u>	<u>BROKEN GROUND n/r</u>
	<u>17.0-35.0</u>	<u>SOLID n/r</u>		<u>17.0-35.0</u>	<u>SOLID n/r</u>
		<u>2.0m CASED</u>			<u>2.0m CASED</u>
<u>V12</u>	<u>0-1.0</u>	<u>OVERBUNDEN</u>			
	<u>1.0-14.9</u>	<u>SANDSTONE, MUDSTONE</u>	<u>V9</u>	<u>0-1.0</u>	<u>OVERBUNDEN</u>
	<u>14.9-16.7</u>	<u>COAL BANDS</u>		<u>1.0-14.5</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>16.7-35.0</u>	<u>SANDSTONE, MUDSTONE</u>		<u>14.5-16.4</u>	<u>COAL BANDS</u>
		<u>2.0m CASED</u>		<u>16.4-35.0</u>	<u>SANDSTONE, MUDSTONE</u>
					<u>2.0m CASED</u>
<u>V11</u>	<u>0-1.0</u>	<u>OVERBUNDEN</u>			
	<u>1.0-14.7</u>	<u>SANDSTONE, MUDSTONE</u>			
	<u>14.7-16.5</u>	<u>COAL BANDS</u>	<u>T8</u>	<u>0-1.0</u>	<u>OVERBUNDEN</u>
	<u>16.5-35.0</u>	<u>SANDSTONE, MUDSTONE</u>		<u>1.0-14.5</u>	<u>SANDSTONE, MUDSTONE</u>
		<u>2.0m CASED</u>		<u>14.5-16.3</u>	<u>COAL BANDS</u>
<u>T10</u>	<u>0-1.0</u>	<u>OVERBUNDEN</u>		<u>16.3-35.0</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>1.0-14.6</u>	<u>SANDSTONE, MUDSTONE</u>			<u>2.0m CASED</u>
	<u>14.6-16.5</u>	<u>COAL BANDS</u>			
	<u>16.5-35.0</u>	<u>SANDSTONE, MUDSTONE</u>			
		<u>2.0m CASED</u>			

Casing/Water Level Details

BH	Casing		Water			Totals	BH	Drill	Case	Install
	Dia	Depth	Strike	Rise	Sealed	Today				
						Previous				
						To Date				
							<u>7</u>	<u>245</u>	<u>14</u>	
							<u>29</u>	<u>1,015</u>	<u>72</u>	
							<u>36</u>	<u>1,260</u>	<u>86</u>	

I confirm this is a true record

Van Elle operative name SCOTT R. ROSS S

Drill hole Nos. checked Yes ☒ No ☐

Hole Depth checked Yes ☒ No ☐

SIGNED S. ROSS

Dated 12.5.26

Client's Name JOE JONES

Client's position ENGINEER

Signature [Signature]

Dated 13/05/26



Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
Telephone: [01773] 580580 Fax: [01773] 862100
Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

Open Hole Drillers Log

Site: <u>SMITHIES MOOR ACADEMY</u>				Sheet: <u>1</u> of <u>1</u>			
Rig: <u>CEXP2 18SS</u>			Crew: <u>SCOTT R, ROSS S</u>			Date: <u>13.5.26</u>	
Hours on Site:				Travelling Time:			

BH	Depth	Strata Description	BH	Depth	Strata Description
V9	0-1.0	OVERBURDEN	W11	0-1.0	OVERBURDEN
	1.0-14.5	SANDSTONE, MUDSTONE		1.0-14.7	SANDSTONE, MUDSTONE
	14.5-16.5	COAL BANDS		14.7-16.5	COAL BANDS
	16.5-35.0	SANDSTONE, MUDSTONE		16.5-35.0	SANDSTONE, MUDSTONE
		2.0m CASED			2.0m CASED
X14	0-1.0	OVERBURDEN			
	1.0-14.5	SANDSTONE, MUDSTONE	X10	0-1.0	OVERBURDEN
	14.5-16.5	COAL BANDS		1.0-14.5	SANDSTONE, MUDSTONE
	16.5-35.0	SANDSTONE, MUDSTONE		14.5-17.0	BRACKEN GROUND N/R
		2.0m CASED		17.0-35.0	SOLID N/R
W13	0-1.0	OVERBURDEN			2.0m CASED
	1.0-14.4	SANDSTONE, MUDSTONE			
	14.4-16.6	SOFT (POOR RETURN)	X8	0-1.0	OVERBURDEN
	16.6-35.0	SANDSTONE, MUDSTONE		1.0-14.5	SANDSTONE, MUDSTONE
		2.0m CASED		14.5-17.0	BRACKEN GROUND N/R
X12	0-1.0	OVERBURDEN		17.0-35.0	SOLID N/R
	1.0-14.7	SANDSTONE, MUDSTONE			2.0m CASED
	14.7-16.7	COAL BANDS			
	16.7-35.0	SANDSTONE, MUDSTONE			
		2.0m CASED			

Casing/Water Level Details										
BH	Casing		Water			Totals	BH	Drill	Case	Install
	Dia	Depth	Strike	Rise	Sealed	Today				
						Previous				
						To Date				

I confirm this is a true record.				Client's Name <u>Joe Jones</u>			
Van Elle operative name <u>STEVEN BELL</u>				Client's position <u>Engineer</u>			
Drill hole Nos. checked		Yes ☒	No ☐	Signature <u>[Signature]</u>		Dated <u>14/05/26</u>	
Hole Depth checked		Yes ☒	No ☐				
SIGNED <u>[Signature]</u>							
Dated <u>13.5.26</u>							



Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
Telephone: (01773) 580580 Fax: (01773) 862100
Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

Open Hole Drillers Log

Site: <u>SOMERSET MOOR ACADEMY</u>			Sheet: <u>1</u> of <u>1</u>							
Rig: <u>CBXP 1290</u>		Crew: <u>MATT.C, ALAN.C</u>		Date: <u>13.5.26</u>						
Hours on Site:			Travelling Time:							
BH	Depth	Strata Description	BH	Depth	Strata Description					
AA1	0-2.6	OVERBURDEN	Y3	0-2.7	OVERBURDEN					
	2.6-3.3	COAL		2.7-3.2	COAL					
	3.3-15.8	SANDSTONE, MUSSONNE		3.2-15.6	SANDSTONE, MUSSONNE					
	15.8-16.8	Soft N/R		15.6-17.2	COAL					
	16.8-35.0	SOLID N/R		17.2-35.0	SANDSTONE, MUSSONNE (CT)					
		4.0m CASED			4.0m CASED					
AA3	0-2.6	OVERBURDEN	W1	0-2.6	OVERBURDEN					
	2.6-3.3	COAL		2.6-3.2	COAL					
	3.3-15.7	SANDSTONE, MUSSONNE		3.2-15.7	SANDSTONE, MUSSONNE					
	15.7-16.8	Soft N/R		15.7-17.4	COAL					
	16.8-35.0	SOLID N/R		17.4-35.0	SANDSTONE, MUSSONNE (CT)					
		4.0m CASED			4.0m CASED					
Y1	0-2.7	OVERBURDEN	W3	0-2.6	OVERBURDEN					
10°	2.7-3.3	COAL		2.6-3.3	COAL					
	3.3-15.8	SANDSTONE, MUSSONNE		3.3-15.5	SANDSTONE, MUSSONNE					
	15.8-17.2	COAL		15.5-17.0	COAL					
	17.2-35.0	SANDSTONE, MUSSONNE (CT)		17.0-45.0	SANDSTONE, MUSSONNE (CT)					
		4.0m CASED			4.0m CASED					
Casing/Water Level Details										
BH	Casing		Water			Totals	BH	Drill	Case	Install
	Dia	Depth	Strike	Rise	Sealed	Today	6	220	24	
						Previous	43	1,505	100	
						To Date	49	1,725	124	
I confirm this is a true record.						Client's Name <u>Joe Jones</u>				
Van Elle operative name <u>STEVEN BELL</u>						Client's position <u>Engineer</u>				
Drill hole Nos. checked Yes ☒ No ☐						Signature <u>[Signature]</u>				
Hole Depth checked Yes ☒ No ☐						Dated <u>14/05/26</u>				
SIGNED <u>S. Bell</u>										
Dated <u>13.5.26</u>										



Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
 Telephone: [01773] 580580 Fax: [01773] 862100
 Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

Open Hole Drillers Log

Site: <u>SMITHIES MOOR AKAOSMAY</u>				Sheet: <u>1</u> of <u>2</u>						
Rig: <u>CB XP 2 18SS</u>			Crew: <u>SCOTT, K, ROSS, S</u>			Date: <u>14.5.26</u>				
Hours on Site:				Travelling Time:						
BH	Depth	Strata Description		BH	Depth	Strata Description				
<u>W9</u>	<u>0-1.0</u>	<u>OVERBURDEN</u>		<u>W5</u>	<u>0-1.0</u>	<u>OVERBURDEN</u>				
	<u>1.0-14.6</u>	<u>SANDSTONE, MUDSTONE</u>			<u>1.0-14.6</u>	<u>SANDSTONE, MUDSTONE</u>				
	<u>14.6-16.4</u>	<u>COAL BANDS</u>			<u>14.6-16.4</u>	<u>COAL BANDS</u>				
	<u>16.4-35.0</u>	<u>SANDSTONE, MUDSTONE</u>			<u>16.4-35.0</u>	<u>SANDSTONE, MUDSTONE</u>				
		<u>2.0m CASED</u>				<u>2.0m CASED</u>				
<u>X4</u>	<u>0-1.0</u>	<u>OVERBURDEN</u>		<u>V4</u>	<u>0-1.0</u>	<u>OVERBURDEN</u>				
	<u>1.0-14.5</u>	<u>SANDSTONE, MUDSTONE</u>			<u>1.0-14.4</u>	<u>SANDSTONE, MUDSTONE</u>				
	<u>14.5-16.4</u>	<u>COAL BANDS</u>			<u>14.4-16.4</u>	<u>COAL BANDS</u>				
	<u>16.4-35.0</u>	<u>SANDSTONE, MUDSTONE</u>			<u>16.4-35.0</u>	<u>SANDSTONE, MUDSTONE</u>				
		<u>2.0m CASED</u>				<u>2.0m CASED</u>				
<u>X6</u>	<u>0-1.0</u>	<u>OVERBURDEN</u>		<u>V6</u>	<u>0-1.0</u>	<u>OVERBURDEN</u>				
	<u>1.0-14.5</u>	<u>SANDSTONE, MUDSTONE</u>			<u>1.0-14.7</u>	<u>SANDSTONE, MUDSTONE</u>				
	<u>14.5-16.4</u>	<u>COAL BANDS</u>			<u>14.7-16.4</u>	<u>COAL BANDS</u>				
	<u>16.4-35.0</u>	<u>SANDSTONE, MUDSTONE</u>			<u>16.4-35.0</u>	<u>SANDSTONE, MUDSTONE</u>				
		<u>2.0m CASED</u>				<u>2.0m CASED</u>				
				<u>W7</u>	<u>0-1.0</u>	<u>OVERBURDEN</u>				
					<u>1.0-14.6</u>	<u>SANDSTONE, MUDSTONE</u>				
					<u>14.6-16.3</u>	<u>COAL BANDS</u>				
					<u>16.3-35.0</u>	<u>SANDSTONE, MUDSTONE</u>				
						<u>2.0m CASED</u>				
Casing/Water Level Details										
BH	Casing		Water			Totals	BH	Drill	Case	Install
	Dia	Depth	Strike	Rise	Sealed	Today	<u>7</u>	<u>245</u>	<u>14</u>	
						Previous	<u>49</u>	<u>1,725</u>	<u>124</u>	
						To Date	<u>56</u>	<u>1,970</u>	<u>138</u>	
I confirm this is a true record.						Client's Name <u>JOE JONES</u>				
Van Elle operative name <u>STEVEN BELL</u>						Client's position <u>ENGINEER</u>				
Drill hole Nos. checked Yes ☒ No ☐						Signature <u>[Signature]</u>				
Hole Depth checked Yes ☒ No ☐						Dated <u>15/05/26</u>				
SIGNED <u>[Signature]</u>										
Dated <u>14.5.26</u>										

Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
Telephone: (01773) 580580 Fax: (01773) 862100
Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

[illegible]



Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
Telephone: (01773) 580580 Fax: (01773) 862100
Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

Open Hole Drillers Log

Site: <u>SMITHIES MOOR ACADEMY</u>			Sheet: <u>1</u> of <u>2</u>		
Rig: <u>CB XP 1290</u>		Crew: <u>MATI.C, ALAN.C</u>		Date: <u>14.5.26</u>	
Hours on Site:			Travelling Time:		
BH	Depth	Strata Description	BH	Depth	Strata Description
<u>V2</u>	<u>0-2.7</u>	<u>OVERBURDEN</u>	<u>AF6</u>	<u>0-2.8</u>	<u>OVERBURDEN</u>
<u>10°</u>	<u>2.7-3.2</u>	<u>COAL</u>	<u>5°</u>	<u>2.8-3.4</u>	<u>COAL</u>
	<u>3.2-15.7</u>	<u>SANDSTONE, MUDSTONE</u>		<u>3.4-16.2</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>15.7-17.2</u>	<u>COAL</u>		<u>16.2-17.4</u>	<u>BROWN GRIND W/L</u>
	<u>17.2-35.0</u>	<u>SANDSTONE, MUDSTONE (CI)</u>		<u>17.4-35.0</u>	<u>SAND W/L</u>
		<u>4.0m CASED</u>			<u>4.0m CASED</u>
<u>X2</u>	<u>0-2.7</u>	<u>OVERBURDEN</u>	<u>AES</u>	<u>0-2.8</u>	<u>OVERBURDEN</u>
<u>3°</u>	<u>2.7-3.2</u>	<u>COAL</u>		<u>2.8-3.2</u>	<u>COAL</u>
	<u>3.2-15.5</u>	<u>SANDSTONE, MUDSTONE</u>		<u>3.2-16.0</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>15.5-17.0</u>	<u>COAL</u>		<u>16.0-17.2</u>	<u>COAL</u>
	<u>17.0-35.0</u>	<u>SANDSTONE, MUDSTONE (CI)</u>		<u>17.2-35.0</u>	<u>SANDSTONE, MUDSTONE</u>
		<u>4.0m CASED</u>			<u>4.0m CASED</u>
<u>22</u>	<u>0-2.8</u>	<u>OVERBURDEN</u>	<u>V7</u>	<u>0-1.0</u>	<u>OVERBURDEN</u>
<u>5°</u>	<u>2.8-3.2</u>	<u>COAL</u>		<u>1.0-14.5</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>3.2-15.7</u>	<u>SANDSTONE, MUDSTONE</u>		<u>14.5-16.3</u>	<u>COAL BANDS</u>
	<u>15.7-17.2</u>	<u>SOFT W/L</u>		<u>16.3-35.0</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>17.2-35.0</u>	<u>SAND W/L</u>			<u>2.0m CASED</u>
		<u>4.0m CASED</u>			

Casing/Water Level Details

BH	Casing		Water			Totals	BH	Drill	Case	Install
	Dia	Depth	Strike	Rise	Sealed	Today	<u>6</u>	<u>210</u>	<u>22</u>	
						Previous	<u>58</u>	<u>2,040</u>	<u>142</u>	
						To Date	<u>64</u>	<u>2,250</u>	<u>164</u>	

I confirm this is a true record.

Van Elle operative name: STEVEN BELL

Drill hole Nos. checked Yes ☒ No ☐

Hole Depth checked Yes ☒ No ☐

SIGNED

Dated

14.5.26

Client's Name: Joe Jones

Client's position: ENGINEER

Signature: [Signature]

Dated: 15/05/26

Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
Telephone: (01773) 580580 Fax: (01773) 862100
Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

[illegible]



Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
 Telephone: [01773] 580580 Fax: [01773] 862100
 Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

Open Hole Drillers Log

Site: <u>SMITHIES MOOR ACADEMY</u>			Sheet: <u>1</u> of <u>2</u>							
Rig: <u>C6 KP 2 1855</u>		Crew: <u>SCOTT.R, ROSS.S</u>		Date: <u>15.5.26</u>						
Hours on Site:			Travelling Time:							
BH	Depth	Strata Description	BH	Depth	Strata Description					
212	0-3.0	OVERBURDEN	19	0-3.0	OVERBURDEN					
	3.0-3.5	COAL		3.0-3.4	COAL					
	3.5-16.3	SANDSTONE, MUDSTONE		3.4-16.0	SANDSTONE, MUDSTONE					
	16.3-18.0	COAL BANDS		16.0-18.3	BROWN GRASS N/R					
	18.0-35.0	SANDSTONE, MUDSTONE		18.3-35.0	SAND N/R					
		4.0m CASED			4.0m CASED					
411	0-3.0	OVERBURDEN	28	0-3.0	OVERBURDEN					
	3.0-3.4	COAL		3.0-3.5	COAL					
	3.4-16.4	SANDSTONE, MUDSTONE		3.5-16.6	SANDSTONE, MUDSTONE					
	16.4-18.1	COAL BANDS		16.6-18.2	COAL BANDS					
	18.1-35.0	SANDSTONE, MUDSTONE		18.2-35.0	SANDSTONE, MUDSTONE					
		4.0m CASED			4.0m CASED					
210	0-3.0	OVERBURDEN	47	0-3.0	OVERBURDEN					
	3.0-3.4	COAL		3.0-3.5	COAL					
	3.4-16.6	SANDSTONE, MUDSTONE		3.5-16.0	SANDSTONE, MUDSTONE					
	16.6-18.2	COAL BANDS		16.0-18.3	BROWN GRASS N/R					
	18.2-35.0	SANDSTONE, MUDSTONE		18.3-35.0	SAND N/R					
		4.0m CASED			4.0m CASED					
Casing/Water Level Details										
BH	Casing		Water			Totals	BH	Drill	Case	Install
	Dia	Depth	Strike	Rise	Sealed	Today	6	210	24	
						Previous	65	2,285	166	
						To Date	71	2,495	190	
I confirm this is a true record.						Client's Name <u>JOE JONES</u>				
Van Elle operative name <u>STEVEN BELL</u>						Client's position <u>Engineer</u>				
Drill hole Nos. checked Yes ☒ No ☐						Signature <u>[Signature]</u>				
Hole Depth checked Yes ☒ No ☐						Dated <u>15/05/26</u>				
SIGNED <u>S. Bell</u>										
Dated <u>15.5.26</u>										

Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
Telephone: (01773) 580580 Fax: (01773) 862100
Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

[illegible]



Kirkby Lane, Pinxton, Nottinghamshire NG16 6JA
 Telephone: [01773] 580580 Fax: [01773] 862100
 Website: www.van-elle.co.uk E-mail: info@van-elle.co.uk

Open Hole Drillers Log

Site: <u>SMITHS MOOR ACADEMY</u>				Sheet: <u>1</u> of <u>2</u>						
Rig: <u>C6 XP 1290</u>			Crew: <u>MATT.C, ALAN.C</u>			Date: <u>15.5.26</u>				
Hours on Site:				Travelling Time:						
BH	Depth	Strata Description		BH	Depth	Strata Description				
<u>AF4</u>	<u>0-2.8</u>	<u>OVERBURDEN</u>		<u>AB4</u>	<u>0-2.8</u>	<u>OVERBURDEN</u>				
	<u>2.8-3.4</u>	<u>COAL</u>			<u>2.8-3.4</u>	<u>COAL</u>				
	<u>3.4-16.0</u>	<u>SANDSTONE, MUDSTONE</u>			<u>3.4-16.2</u>	<u>SANDSTONE, MUDSTONE</u>				
	<u>16.0-17.5</u>	<u>BROKEN GRAVEL N/R</u>			<u>16.2-17.4</u>	<u>COAL</u>				
	<u>17.5-35.0</u>	<u>SOLID N/R</u>			<u>17.4-45.0</u>	<u>SANDSTONE, MUDSTONE (CT)</u>				
		<u>4.0m CASED</u>				<u>4.0m CASED</u>				
<u>24</u>	<u>0-2.8</u>	<u>OVERBURDEN</u>		<u>AD4</u>	<u>0-2.7</u>	<u>OVERBURDEN</u>				
	<u>2.8-3.2</u>	<u>COAL</u>			<u>2.7-3.4</u>	<u>COAL</u>				
	<u>3.2-14.8</u>	<u>SANDSTONE, MUDSTONE</u>			<u>3.4-15.9</u>	<u>SANDSTONE, MUDSTONE</u>				
	<u>14.8-16.8</u>	<u>BROKEN GRAVEL N/R</u>			<u>15.9-17.2</u>	<u>BROKEN GRAVEL N/R</u>				
	<u>16.8-35.0</u>	<u>SOLID N/R</u>			<u>17.2-35.0</u>	<u>SOLID N/R</u>				
		<u>4.0m CASED</u>				<u>4.0m CASED</u>				
<u>AB6</u>	<u>0-2.7</u>	<u>OVERBURDEN</u>		<u>AAS</u>	<u>0-2.7</u>	<u>OVERBURDEN</u>				
	<u>2.7-3.2</u>	<u>COAL</u>			<u>2.7-3.3</u>	<u>COAL</u>				
	<u>3.2-16.0</u>	<u>SANDSTONE, MUDSTONE</u>			<u>3.3-16.0</u>	<u>SANDSTONE, MUDSTONE</u>				
	<u>16.0-17.3</u>	<u>COAL</u>			<u>16.0-17.3</u>	<u>SOFT P-R COAL</u>				
	<u>17.3-35.0</u>	<u>SANDSTONE, MUDSTONE (CT)</u>			<u>17.3-35.0</u>	<u>SANDSTONE, MUDSTONE (CT)</u>				
		<u>4.0m CASED</u>				<u>4.0m CASED</u>				
Casing/Water Level Details										
BH	Casing		Water			Totals	BH	Drill	Case	Install
	Dia	Depth	Strike	Rise	Sealed	Today	<u>6</u>	<u>220</u>	<u>24</u>	
						Previous	<u>13</u>	<u>2,565</u>	<u>198</u>	
						To Date	<u>19</u>	<u>2,785</u>	<u>222</u>	
I confirm this is a true record.						Client's Name <u>JOE JONES</u>				
Van Elle operative name <u>STEVEN BEN</u>						Client's position <u>ENGINEER</u>				
Drill hole Nos. checked Yes ☒ No ☐						Signature <u>[Signature]</u>				
Hole Depth checked Yes ☒ No ☐						Dated <u>15/05/26</u>				
SIGNED <u>[Signature]</u>										
Dated <u>15.5.26</u>										

[illegible]

Open Hole Drillers Log

Site: <u>SMITHIES MOOR ACADEMY</u>			Sheet: <u>1</u> of <u>2</u>		
Rig / Method: <u>C6 XP 1290</u>		Crew: <u>MATTHEW C, ALAN C</u>		Date: <u>18.5.26</u>	
BH / Casing Diameter:			Flushing Method:		

BH	Depth (m)	Strata Description	BH	Depth (m)	Strata Description
<u>214</u>	<u>0 - 2.9</u>	<u>OVERBURDEN</u>	<u>AA9</u>	<u>0 - 2.8</u>	<u>OVERBURDEN</u>
<u>10°</u>	<u>2.9 - 3.6</u>	<u>COAL</u>		<u>2.8 - 3.3</u>	<u>COAL</u>
	<u>3.6 - 16.5</u>	<u>SANDSTONE, MUDSTONE</u>		<u>3.3 - 16.3</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>16.5 - 18.0</u>	<u>COAL</u>		<u>16.3 - 17.6</u>	<u>COAL</u>
	<u>18.0 - 35.0</u>	<u>SANDSTONE, MUDSTONE</u>		<u>17.6 - 35.0</u>	<u>SANDSTONE, MUDSTONE</u>
		<u>(CT) 4.0m CASED</u>			<u>(CT) 4.0m CASED</u>
<u>AA13</u>	<u>0 - 2.8</u>	<u>OVERBURDEN</u>	<u>AA7</u>	<u>0 - 2.8</u>	<u>OVERBURDEN</u>
<u>5°</u>	<u>2.8 - 3.4</u>	<u>COAL</u>		<u>2.8 - 3.3</u>	<u>COAL</u>
	<u>3.4 - 16.3</u>	<u>SANDSTONE, MUDSTONE</u>		<u>3.3 - 16.3</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>16.3 - 17.8</u>	<u>COAL</u>		<u>16.3 - 17.7</u>	<u>COAL</u>
	<u>17.8 - 35.0</u>	<u>SANDSTONE, MUDSTONE</u>		<u>17.7 - 35.0</u>	<u>SANDSTONE, MUDSTONE</u>
		<u>(CT) 4.0m CASED</u>			<u>(CT) 4.0m CASED</u>
<u>AA11</u>	<u>0 - 2.9</u>	<u>OVERBURDEN</u>	<u>AB12</u>	<u>0 - 3.0</u>	<u>OVERBURDEN</u>
	<u>2.9 - 3.3</u>	<u>COAL</u>		<u>3.0 - 3.6</u>	<u>COAL</u>
	<u>3.3 - 16.4</u>	<u>SANDSTONE, MUDSTONE</u>		<u>3.6 - 16.6</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>16.4 - 17.8</u>	<u>COAL</u>		<u>16.6 - 17.8</u>	<u>COAL</u>
	<u>17.8 - 35.0</u>	<u>SANDSTONE, MUDSTONE</u>		<u>17.8 - 35.0</u>	<u>SANDSTONE, MUDSTONE</u>
		<u>(CT) 4.0m CASED</u>			<u>(CT) 4.0m CASED</u>

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	<u>6</u>	<u>210</u>	<u>24</u>	Gas Detected: Yes / <u>No</u>
Previous	<u>60</u>	<u>2,820</u>	<u>226</u>	
To Date	<u>86</u>	<u>3,030</u>	<u>250</u>	

Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns

Van Elle Operative Name: <u>STEVEN BELL</u>	Comments
Signed: <u>S. Bell</u>	
Date: <u>19.5.26</u>	
Clients Name: <u>Joe Jones</u>	
Clients Position: <u>Engineer</u>	
Signature: <u>[Signature]</u>	
Date: <u>19/05/26</u>	

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	1	35	4	
Previous	86	3,030	250	Gas Detected: Yes / <u>No</u>
To Date	87	3,065	254	
Key:	C/T - Coal Traces	N/R - No Returns	P/R - Poor Returns	

Comments	
Van Elle Operative Name. <u>STEVEN BOW</u>	
Signed. <u>S. Bow</u>	
Date. <u>19.5.26</u>	
Client's Name. <u>JOE JONES</u>	
Client's Position. <u>Engineer</u>	
Signature. <u>[Signature]</u>	
Date. <u>19/05/26</u>	

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	4	140	16	
Previous	87	3,065	254	Gas Detected: Yes / <u>No</u>
To Date	91	3,205	270	
Key:	C/T - Coal Traces	N/R - No Returns	P/R - Poor Returns	

Comments	
Van Elle Operative Name <u>STEVEN BELL</u>	
Signed <u>S. Bell</u>	
Date <u>19.5.26</u>	
Client's Name <u>Joe Jones</u>	
Client's Position <u>Engineer</u>	
Signature <u>[Signature]</u>	
Date <u>19/05/26</u>	

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: ☒ Yes ☐ No
Today	3	105	12	
Previous	91	3,205	270	Gas Detected: Yes ☐ No ☒
To Date	94	3,310	282	
Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns				

		Comments
Van Elle Operative Name	S. S. S. S.	
Signed	S. S. S. S.	
Date	19.5.26	
Clients Name	Joe Jones	
Clients Position	Engineer	
Signature	[Signature]	
Date	19/05/26	

Open Hole Drillers Log

Site: <u>SMITHIES MODE ACADEMY</u>			Sheet: <u>1</u> of <u>2</u>		
Rig / Method: <u>C6 XP 1290</u>		Crew: <u>MATHEW C, ALAN C</u>		Date: <u>19.5.26</u>	
BH / Casing Diameter:			Flushing Method:		
BH	Depth (m)	Strata Description	BH	Depth (m)	Strata Description
<u>AB8</u>	<u>0-2.7</u>	<u>OVERBURDEN</u>	<u>216</u>	<u>0-3.0</u>	<u>OVERBURDEN</u>
	<u>2.7-3.3</u>	<u>COAL</u>	<u>10°</u>	<u>3.0-3.3</u>	<u>COAL</u>
	<u>3.3-16.4</u>	<u>SANDSTONE, MUDSTONE</u>		<u>3.3-16.7</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>16.4-17.6</u>	<u>COAL</u>		<u>16.7-18.2</u>	<u>COAL</u>
	<u>17.6-25.0</u>	<u>SANDSTONE, MUDSTONE</u>		<u>18.2-35.0</u>	<u>SANDSTONE, MUDSTONE</u>
		<u>(CT) 4.0m CASE</u>			<u>4.0m CASE (CT)</u>
<u>X16</u>	<u>0-3.0</u>	<u>OVERBURDEN</u>	<u>AA15</u>	<u>0-3.1</u>	<u>OVERBURDEN</u>
<u>10°</u>	<u>3.0-3.6</u>	<u>COAL</u>	<u>8°</u>	<u>3.1-4.0</u>	<u>COAL</u>
	<u>3.6-16.8</u>	<u>SANDSTONE, MUDSTONE</u>		<u>4.0-16.7</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>16.8-18.5</u>	<u>SOFT N/R</u>		<u>16.7-18.0</u>	<u>COAL</u>
	<u>18.5-35.0</u>	<u>SOFT N/R</u>		<u>18.0-35.0</u>	<u>SANDSTONE, MUDSTONE</u>
		<u>4.0m CASING</u>			<u>(CT) 4.0m CASE</u>
<u>Y15</u>	<u>0-3.0</u>	<u>OVERBURDEN</u>	<u>TV14</u>	<u>0-2.6</u>	<u>OVERBURDEN</u>
<u>6°</u>	<u>3.0-3.7</u>	<u>COAL</u>		<u>2.6-3.4</u>	<u>COAL</u>
	<u>3.7-16.6</u>	<u>SANDSTONE, MUDSTONE</u>		<u>3.4-15.7</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>16.6-18.3</u>	<u>COAL</u>		<u>15.7-16.8</u>	<u>SOFT</u>
	<u>18.3-35.0</u>	<u>SANDSTONE, MUDSTONE</u>		<u>16.8-35.0</u>	<u>SANDSTONE, MUDSTONE</u>
		<u>(CT) 4.0m CASE</u>			<u>(CT) 4.0m CASE</u>

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	<u>6</u>	<u>210</u>	<u>24</u>	Gas Detected: Yes / <u>No</u>
Previous	<u>94</u>	<u>3,310</u>	<u>282</u>	
To Date	<u>100</u>	<u>3,520</u>	<u>306</u>	
Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns				

Van Elle Operative Name: <u>STEVEN BULL</u> Signed: <u>S. Bull</u> Date: <u>20.5.26</u> Clients Name: <u>JOE JONES</u> Clients Position: <u>Engineer</u> Signature: <u>[Signature]</u> Date: <u>20/05/26</u>	Comments
--	--

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	2	10	6	
Previous	100	3,520	306	Gas Detected: Yes / <u>No</u>
To Date	102	3,590	312	
Key:	C/T - Coal Traces	N/R - No Returns	P/R - Poor Returns	

		Comments
Van Elle Operative Name.....	S. Ben	
Signed.....	S. Ben	
Date.....	20.5.26	
Client's Name.....	Joe Jones	
Client's Position.....	Engineer	
Signature.....	[Signature]	
Date.....	20/05/26	

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	4	140	16	
Previous	102	3,590	312	Gas Detected: Yes / <u>No</u>
To Date	106	3,730	328	
Key:	C/T - Coal Traces	N/R - No Returns	P/R - Poor Returns	

		Comments
Van Elle Operative Name	STEVEN ROSE	
Signed	S. Rose	
Date	20.5.26	
Client's Name	Joe Jones	
Client's Position	Engineer	
Signature	[Signature]	
Date	20/05/26	

Open Hole Drillers Log

Site: <u>SMITHIES MOOR ACADEMY</u>			Sheet: <u>2</u> of <u>2</u>		
Rig / Method: <u>CBXP 2 1855</u>		Crew: <u>SCOTT, R, ROSS, J</u>		Date: <u>19.5.26</u>	
BH / Casing Diameter:			Flushing Method:		
BH	Depth (m)	Strata Description	BH	Depth (m)	Strata Description
<u>AC13</u>	<u>0-2.7</u>	<u>OVERBURDEN</u>	<u>AD16</u>	<u>0-2.5</u>	<u>OVERBURDEN</u>
	<u>2.7-3.5</u>	<u>SANDSTONE</u>		<u>2.5-3.3</u>	<u>SANDSTONE</u>
	<u>3.5-4.0</u>	<u>COAL</u>		<u>3.3-4.0</u>	<u>COAL</u>
	<u>4.0-16.5</u>	<u>SANDSTONE, MUDSTONE</u>		<u>4.0-17.0</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>16.5-18.1</u>	<u>COAL BANDS</u>		<u>17.0-18.4</u>	<u>COAL BANDS</u>
	<u>18.1-35.0</u>	<u>SANDSTONE, MUDSTONE</u>		<u>18.4-35.0</u>	<u>SANDSTONE, MUDSTONE</u>
		<u>4.0m CASED</u>			<u>4.0m CASED</u>
<u>AC11</u>	<u>0-2.7</u>	<u>OVERBURDEN</u>	<u>AD14</u>	<u>0-2.5</u>	<u>OVERBURDEN</u>
	<u>2.7-3.5</u>	<u>SANDSTONE</u>		<u>2.5-3.3</u>	<u>SANDSTONE</u>
	<u>3.5-4.0</u>	<u>COAL</u>		<u>3.3-4.0</u>	<u>COAL</u>
	<u>4.0-16.3</u>	<u>SANDSTONE, MUDSTONE</u>		<u>4.0-16.5</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>16.3-18.5</u>	<u>BROKEN GROUND N/R</u>		<u>16.5-19.0</u>	<u>SOFT N/R</u>
	<u>18.5-35.0</u>	<u>SOLID N/R</u>		<u>19.0-35.0</u>	<u>SOLID N/R</u>
		<u>4.0m CASED</u>			<u>4.0m CASED</u>

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	<u>4</u>	<u>140</u>	<u>16</u>	Gas Detected: Yes <u>NO</u>
Previous	<u>106</u>	<u>3,130</u>	<u>328</u>	
To Date	<u>110</u>	<u>3,270</u>	<u>344</u>	

Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns

Van Elle Operative Name: <u>SIGHEI BEU</u> Signed: <u>S. BEU</u> Date: <u>20.5.26</u> Clients Name: <u>JOE JONES</u> Clients Position: <u>ENGINEER</u> Signature: <u>[Signature]</u> Date: <u>20/05/26</u>	<u>Comments</u>
--	---

Open Hole Drillers Log

Site: <u>SMITHIES MODEL ACADEMY</u>			Sheet: <u>1</u> of <u>2</u>		
Rig / Method: <u>CB XP 1290</u>		Crew: <u>MATT.C.</u> <u>ALAN.C</u>		Date: <u>20.5.26</u>	
BH / Casing Diameter: <u>7</u>			Flushing Method:		

BH	Depth (m)	Strata Description	BH	Depth (m)	Strata Description
AB16	0-3.0	OVERBURDEN	T16	0-2.8	OVERBURDEN
10°	3.0-4.0	COAL	10°	2.8-3.9	SANDSTONE
	4.0-16.9	SANDSTONE, MUDSTONE		3.9-4.9	COAL - Soft
	16.9-18.1	COAL		4.9-17.9	SANDSTONE, MUDSTONE
	18.1-35.0	SANDSTONE, MUDSTONE		17.9-19.2	COAL
	(CT) 4.0m CASED			19.2-35.0	SANDSTONE, MUDSTONE (CT)
					4.0m CASED
AC15	0-3.0	OVERBURDEN			
4°	3.0-4.0	COAL	U15	0-2.7	OVERBURDEN
	4.0-16.7	SANDSTONE, MUDSTONE	10°	2.7-3.9	SANDSTONE
	16.7-18.0	COAL		3.9-4.7	Soft COAL
	18.0-35.0	SANDSTONE, MUDSTONE		4.7-18.0	SANDSTONE, MUDSTONE
		(CT) 4.0m CASED		18.0-19.2	COAL
				19.2-35.0	SANDSTONE, MUDSTONE (CT)
					4.0m CASED
AB14	0-3.0	OVERBURDEN			
	3.0-4.0	COAL			
	4.0-16.8	SANDSTONE, MUDSTONE			
	16.8-18.0	COAL			
	18.0-35.0	SANDSTONE, MUDSTONE			
		(CT) 4.0m CASED			

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	<u>5</u>	<u>175</u>	<u>20</u>	Gas Detected: Yes / <u>No</u>
Previous	<u>110</u>	<u>3,870</u>	<u>344</u>	
To Date	<u>115</u>	<u>4,045</u>	<u>364</u>	

Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns

Van Elle Operative Name: <u>STEVEN BSW</u> Signed: <u>S. BSW</u> Date: <u>21.5.26</u> Clients Name: <u>JOE JONES</u> Clients Position: <u>ENGINEER</u> Signature: <u>[Signature]</u> Date: <u>22/05/26</u>	Comments
--	--

Open Hole Drillers Log

Site: <u>SMITHS MOOR ACADEMY</u>			Sheet: <u>2</u> of <u>2</u>		
Rig / Method: <u>CB XP 1290</u>		Crew: <u>MATT.C, ALAN.C</u>		Date: <u>20.5.26</u>	
BH / Casing Diameter:			Flushing Method:		
BH	Depth (m)	Strata Description	BH	Depth (m)	Strata Description
<u>V16</u>	<u>0-2.8</u>	<u>OVERBURDEN</u>			
<u>4°</u>	<u>2.8-8.5</u>	<u>SANDSTONE</u>			
	<u>8.5-14.5</u>	<u>SOFT COAL</u>			
	<u>14.5-17.5</u>	<u>SANDSTONE, MUDSTONE</u>			
	<u>17.5-19.3</u>	<u>SOFT N/R</u>			
	<u>19.3-25.0</u>	<u>SOLID N/R</u>			
		<u>4.0m CASE</u>			
<u>W15</u>	<u>0-3.0</u>	<u>OVERBURDEN</u>			
<u>10°</u>	<u>3.0-3.9</u>	<u>SANDSTONE</u>			
	<u>3.9-5.0</u>	<u>SOFT COAL</u>			
	<u>5.0-11.6</u>	<u>SANDSTONE, MUDSTONE</u>			
	<u>11.6-19.2</u>	<u>SOFT N/R</u>			
	<u>19.2-35.0</u>	<u>SOLID N/R</u>			
		<u>4.0m CASE</u>			

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	<u>2</u>	<u>70</u>	<u>8</u>	
Previous	<u>115</u>	<u>4,045</u>	<u>364</u>	Gas Detected: Yes <u>No</u>
To Date	<u>117</u>	<u>4,115</u>	<u>372</u>	

Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns

Van Elle Operative Name: <u>STEVEN BELL</u>	Comments
Signed: <u>S. Bell</u>	
Date: <u>21.5.26</u>	
Clients Name: <u>Joe Jones</u>	
Clients Position: <u>Engineer</u>	
Signature: <u>[Signature]</u>	
Date: <u>22/05/26</u>	

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	4	150	12	
Previous	117	4,115	372	Gas Detected: Yes / <u>No</u>
To Date	121	4,265	384	
Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns				

Comments	
Van Elle Operative Name. <u>Steve Bell</u>	
Signed. <u>S. Bell</u>	
Date. <u>21.5.26</u>	
Client's Name. <u>Joe Jones</u>	
Client's Position. <u>Engineer</u>	
Signature. <u>[Signature]</u>	
Date. <u>22/05/26</u>	

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	16	125	2	
Previous	121	4,265	384	Gas Detected: Yes / <u>No</u>
To Date	137	4,390	386	
Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns				

		Comments
Van Elle Operative Name	S. Kell	
Signed	S. Kell	
Date	21.5.26	
Client's Name	Joe Jones	
Client's Position	Engineer	
Signature	[Signature]	
Date	22/05/26	

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	4	140	8	
Previous	137	4,390	386	Gas Detected: Yes / <u>No</u>
To Date	141	4,530	394	
Key:	C/T - Coal Traces	N/R - No Returns	P/R - Poor Returns	

Comments	
Van Elle Operative Name..... <u>Steve Bou</u>	
Signed..... <u>S. Bou</u>	
Date..... <u>22.5.26</u>	
Client's Name..... <u>Joe Jones</u>	
Client's Position..... <u>Engineer</u>	
Signature..... <u>[Signature]</u>	
Date..... <u>22.10.26</u>	

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	3	105	6	
Previous	141	4,530	394	Gas Detected: Yes <u>No</u>
To Date	144	4,635	400	
Key:	C/T - Coal Traces	N/R - No Returns	P/R - Poor Returns	

Comments	
Van Elle Operative Name <u>Stacy Kau</u>	
Signed <u>S. Kau</u>	
Date <u>22.5.26</u>	
Client's Name <u>Joe Jones</u>	
Client's Position <u>Engineer</u>	
Signature <u>[Signature]</u>	
Date <u>22/05/26</u>	

Document Owner:	Division Director	Document Type	Form
Document Number:	PIL-FM-RES021	Page:	1 of 1
Date of Issue:	05.07.2024	Version:	1.0

Think Safe
Act. Safe

This document is uncontrolled when printed

Open Hole Drillers Log

Site: <u>SMITHS MIDDLE ACADEMY</u>			Sheet: <u>1</u> of <u>2</u>		
Rig / Method: <u>C6XP 1290</u>		Crew: <u>MATT.C, ALAN.C</u>		Date: <u>21.5.26</u>	
BH / Casing Diameter:			Flushing Method:		
BH	Depth (m)	Strata Description	BH	Depth (m)	Strata Description
<u>V17</u>	<u>0-2.8</u>	<u>OVERBURDEN</u>	<u>T18</u>	<u>0-3.0</u>	<u>OVERBURDEN</u>
<u>4"</u>	<u>2.8-3.7</u>	<u>SANDSTONE</u>	<u>10"</u>	<u>3.0-4.4</u>	<u>SANDSTONE (CT)</u>
	<u>3.7-4.8</u>	<u>COAL</u>		<u>4.4-17.7</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>4.8-17.8</u>	<u>SANDSTONE, MUDSTONE</u>		<u>17.7-19.0</u>	<u>COAL</u>
	<u>17.8-19.0</u>	<u>COAL</u>		<u>19.0-45.0</u>	<u>SANDSTONE, MUDSTONE (CT)</u>
	<u>19.0-35.0</u>	<u>SANDSTONE, MUDSTONE</u>			<u>4.0m CASO</u>
		<u>4.0m CASO</u>			
			<u>V19</u>	<u>0-3.0</u>	<u>OVERBURDEN</u>
<u>V18</u>	<u>0-3.0</u>	<u>OVERBURDEN</u>	<u>10"</u>	<u>3.0-4.3</u>	<u>SANDSTONE</u>
	<u>3.0-4.3</u>	<u>SANDSTONE</u>		<u>4.3-5.1</u>	<u>COAL</u>
	<u>4.3-5.0</u>	<u>COAL</u>		<u>5.1-17.5</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>5.0-17.0</u>	<u>SANDSTONE, MUDSTONE</u>		<u>17.5-19.0</u>	<u>COAL</u>
	<u>17.0-19.0</u>	<u>BROWN GRIND N/A</u>		<u>19.0-35.0</u>	<u>SANDSTONE MUDSTONE (CT)</u>
	<u>19.0-35.0</u>	<u>SOLID N/A</u>			<u>4.0m CASO</u>
		<u>4.0m CASO</u>			

Totals	BH	Drill (m)	Case (m)	Gas Monitored: Yes / No
Today	<u>4</u>	<u>150</u>	<u>16</u>	
Previous	<u>144</u>	<u>4,635</u>	<u>400</u>	
To Date	<u>148</u>	<u>4,785</u>	<u>416</u>	Gas Detected: Yes / No

Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns

Van Elle Operative Name: <u>S. B. R.</u> Signed: <u>S. B. R.</u> Date: <u>22.5.26</u> Clients Name: <u>Joe Jones</u> Clients Position: <u>Engineer</u> Signature: <u>[Signature]</u> Date: <u>22/05/26</u>	Comments
--	--

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	3	105	12	
Previous	148	4,785	416	Gas Detected: Yes / <u>No</u>
To Date	151	4,890	428	
Key:	C/T - Coal Traces	N/R - No Returns	P/R - Poor Returns	

		<u>Comments</u>
Van Elle Operative Name	Steven Ben	
Signed	S. Ben	
Date	22.5.26	
Client's Name	Joe Jones	
Client's Position	Engineer	
Signature	[Signature]	
Date	22/05/26	

Think Safe
Act Safe

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	4	150	16	
Previous	151	4,890	428	Gas Detected: Yes / <u>No</u>
To Date	155	5,040	444	
Key:	C/T - Coal Traces	N/R - No Returns	P/R - Poor Returns	

		Comments
Van Elle Operative Name	STEVE BAU	
Signed	S. Bau	
Date	26.5.26	
Client's Name	Joe Jones	
Client's Position	Engineer	
Signature	[Signature]	
Date	28/05/26	

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	3	105	12	
Previous	155	5,040	444	Gas Detected: Yes <u>No</u>
To Date	158	5,145	456	
Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns				

Comments	
Van Elle Operative Name <u>STEVEN R. GUN</u>	
Signed <u>S. Gun</u>	
Date <u>26.5.26</u>	
Client's Name <u>Joe Jones</u>	
Client's Position <u>Engineer</u>	
Signature <u>[Signature]</u>	
Date <u>23/05/26</u>	

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	4	140	8	
Previous	158	5,145	456	Gas Detected: Yes <u>No</u>
To Date	162	5,285	464	
Key:	C/T - Coal Traces	N/R - No Returns	P/R - Poor Returns	

Comments	
Van Elle Operative Name <u>STEVEN BEN</u>	
Signed <u>S. BEN</u>	
Date <u>26.5.26</u>	
Clients Name <u>JOE JONES</u>	
Clients Position <u>ENGINEER</u>	
Signature <u>[Signature]</u>	
Date <u>23/05/26</u>	

Open Hole Drillers Log

Site: <u>SMITHS MOON ACADEMY</u>			Sheet: <u>2</u> of <u>2</u>		
Rig / Method: <u>CB XP 2 18JS</u>		Crew: <u>SCOTT R, ROSS S</u>		Date: <u>22.5.26</u>	
BH / Casing Diameter:			Flushing Method:		
BH	Depth (m)	Strata Description	BH	Depth (m)	Strata Description
<u>428</u>	<u>0-1.4</u>	<u>OVERBURDEN</u>			
	<u>1.4-2.3</u>	<u>SANDSTONE</u>			
	<u>2.3-4.4</u>	<u>BRICKLY GRAVEL N/A</u>			
	<u>4.4-16.8</u>	<u>SAND</u>			
	<u>16.8-18.2</u>	<u>Soft</u>			
	<u>18.2-35.0</u>	<u>SAND N/A</u>			
		<u>2.0m AFO</u>			
<u>429</u>	<u>0-1.5</u>	<u>OVERBURDEN</u>			
	<u>1.5-3.0</u>	<u>SANDSTONE</u>			
	<u>3.0-4.7</u>	<u>BRICKLY GRAVEL N/A</u>			
	<u>4.7-16.8</u>	<u>SAND</u>			
	<u>16.8-18.2</u>	<u>Soft</u>			
	<u>18.2-35.0</u>	<u>SAND N/A</u>			
		<u>2.0m AFO</u>			

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	<u>2</u>	<u>70</u>	<u>4</u>	
Previous	<u>162</u>	<u>5,285</u>	<u>464</u>	Gas Detected: Yes / <u>No</u>
To Date	<u>164</u>	<u>5,355</u>	<u>468</u>	
Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns				

	Comments
Van Elle Operative Name: <u>STEVEN BELL</u>	
Signed: <u>S. Bell</u>	
Date: <u>26.5.26</u>	
Client's Name: <u>Joe Jones</u>	
Client's Position: <u>Engineer</u>	
Signature: <u>[Signature]</u>	
Date: <u>28/05/26</u>	

Open Hole Drillers Log

Site: <u>SMITHIES MODEL ACADEMY</u>			Sheet: <u>1</u> of <u>2</u>		
Rig / Method: <u>C6XP 1290</u>		Crew: <u>MATT.C, ALAN.C</u>		Date: <u>26.5.26</u>	
BH / Casing Diameter:			Flushing Method:		
BH	Depth (m)	Strata Description	BH	Depth (m)	Strata Description
<u>W21</u>	<u>0-3.0</u>	<u>OVERBURDEN</u>	<u>T20</u>	<u>0-3.1</u>	<u>OVERBURDEN</u>
	<u>3.0-3.7</u>	<u>SANDSTONE</u>		<u>3.1-3.8</u>	<u>SANDSTONE</u>
	<u>3.7-5.0</u>	<u>COAL</u>		<u>3.8-5.2</u>	<u>COAL</u>
	<u>5.0-17.8</u>	<u>SANDSTONE, MUDSTONE</u>		<u>5.2-18.0</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>17.8-19.0</u>	<u>BRICKLY GRAVEL w/lt</u>		<u>18.0-19.3</u>	<u>COAL</u>
	<u>19.0-35.0</u>	<u>SAND w/lt</u>		<u>19.3-35.0</u>	<u>SANDSTONE, MUDSTONE</u>
		<u>4.0m CASE</u>			<u>4.0m CASE</u>
<u>V20</u>	<u>0-3.0</u>	<u>OVERBURDEN</u>	<u>W17</u>	<u>0-3.0</u>	<u>OVERBURDEN</u>
	<u>3.0-3.6</u>	<u>SANDSTONE</u>		<u>3.0-3.8</u>	<u>SANDSTONE</u>
	<u>3.6-5.0</u>	<u>COAL</u>		<u>3.8-5.0</u>	<u>COAL</u>
	<u>5.0-17.9</u>	<u>SANDSTONE, MUDSTONE</u>		<u>5.0-18.0</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>17.9-19.0</u>	<u>COAL</u>		<u>18.0-19.0</u>	<u>COAL</u>
	<u>19.0-35.0</u>	<u>SANDSTONE, MUDSTONE (CT)</u>		<u>19.0-35.0</u>	<u>SANDSTONE, MUDSTONE</u>
		<u>4.0m CASE</u>			<u>4.0m CASE</u>

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	<u>4</u>	<u>140</u>	<u>16</u>	Gas Detected: Yes / <u>No</u>
Previous	<u>164</u>	<u>5,355</u>	<u>468</u>	
To Date	<u>168</u>	<u>5,495</u>	<u>484</u>	

Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns

Comments	
Van Elle Operative Name: <u>STEVEN BEN</u> Signed: <u>S. Ben</u> Date: <u>27.5.26</u>	
Clients Name: <u>Joe Jones</u> Clients Position: <u>Engineer</u> Signature: <u>[Signature]</u> Date: <u>28/05/26</u>	

Open Hole Drillers Log



Site: <u>SMITHIES MUD ACADEMY</u>			Sheet: <u>2</u> of <u>2</u>		
Rig / Method: <u>CB&P 1290</u>		Crew: <u>MATT. C, SCOTT. R</u>		Date: <u>26.5.26</u>	
BH / Casing Diameter:			Flushing Method:		
BH	Depth (m)	Strata Description	BH	Depth (m)	Strata Description
<u>W19</u>	<u>0-3.0</u>	<u>OVERBURDEN</u>			
	<u>3.0-3.8</u>	<u>SANDSTONE</u>			
	<u>3.8-5.1</u>	<u>COAL</u>			
	<u>5.1-18.0</u>	<u>SANDSTONE, MUDSTONE</u>			
	<u>18.0-19.2</u>	<u>COAL</u>			
	<u>19.2-35.0</u>	<u>SANDSTONE, MUDSTONE</u>			
		<u>4.0m CASO</u>			
<u>Z30</u>	<u>0-4.5</u>	<u>OVERBURDEN</u>			
	<u>4.5-16.5</u>	<u>SANDSTONE, MUDSTONE</u>			
	<u>16.5-18.4</u>	<u>BROWN GRASS N/A</u>			
	<u>18.4-35.0</u>	<u>SAND N/A</u>			
		<u>4.0m CASO</u>			
		<u>(POSS BELL PIT)</u>			
<u>Z28</u>	<u>0-4.5</u>	<u>OVERBURDEN</u>			
	<u>4.5-17.0</u>	<u>SANDSTONE, MUDSTONE</u>			
	<u>17.0-18.2</u>	<u>COAL</u>			
	<u>18.2-35.0</u>	<u>SANDSTONE, MUDSTONE</u>			
		<u>4.0m CASO</u>			
		<u>(POSS BELL PIT)</u>			

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	3	105	12	
Previous	168	5,495	484	Gas Detected: Yes / <u>No</u>
To Date	171	5,600	496	
Key:	C/T - Coal Traces	N/R - No Returns	P/R - Poor Returns	

Comments	
Van Elle Operative Name <u>Steven Bell</u>	
Signed <u>S. Bell</u>	
Date <u>27.5.26</u>	
Clients Name <u>Joe Jones</u>	
Clients Position <u>Engineer</u>	
Signature <u>[Signature]</u>	
Date <u>28/05/26</u>	

Document Owner:
Document Number:
Date of Issue:

Division Director
PIL-FM-RES021
05.07.2024

Document Type Form
Page: 1 of 1
Version: 1.0

Think Safe
Act Safe 

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> /No
Today	4	140	10	
Previous	171	5,600	496	Gas Detected: Yes/ <u>No</u>
To Date	175	5,740	506	
Key:	C/T - Coal Traces	N/R - No Returns	P/R - Poor Returns	

Comments	
Van Elle Operative Name..... STEVE. KEN	
Signed..... S. Ken	
Date..... 27.8.26	
Clients Name..... Joe Jones	
Clients Position..... Engineer	
Signature..... [Signature]	
Date..... 28/05/26	

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	4	140	16	
Previous	175	5,140	506	Gas Detected: Yes <u>No</u>
To Date	179	5,880	522	
Key:	C/T - Coal Traces	N/R - No Returns	P/R - Poor Returns	

		<u>Comments</u>
Van Elle Operative Name. <u>SEAN BEN</u>		
Signed. <u>S. Ben</u>		
Date. <u>28.5.26</u>		
Clients Name <u>Joe Jones</u>		
Clients Position <u>Engineer</u>		
Signature <u>[Signature]</u>		
Date <u>28/05/26</u>		

Open Hole Drillers Log

Site: <u>SMITHIES MOOR ACADEMY</u>			Sheet: <u>2</u> of <u>2</u>		
Rig / Method: <u>C6 CP 1290</u>		Crew: <u>MATT.C</u> , <u>ALAN.C</u>		Date: <u>27.5.26</u>	
BH / Casing Diameter:			Flushing Method:		
BH	Depth (m)	Strata Description	BH	Depth (m)	Strata Description
<u>218</u>	<u>0 - 2.9</u>	<u>OVERBURDEN</u>	<u>419</u>	<u>0 - 2.9</u>	<u>OVERBURDEN</u>
<u>3°</u>	<u>2.9 - 3.5</u>	<u>SANDSTONE</u>		<u>2.9 - 3.4</u>	<u>SANDSTONE</u>
	<u>3.5 - 5.0</u>	<u>BROKEN GRAVEL N/R</u>		<u>3.4 - 5.2</u>	<u>COAL</u>
	<u>5.0 - 11.8</u>	<u>SOLID</u>		<u>5.2 - 11.5</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>11.8 - 19.0</u>	<u>SOFT</u>		<u>11.5 - 18.8</u>	<u>SOFT N/R</u>
	<u>19.0 - 35.0</u>	<u>SOLID N/R</u>		<u>18.8 - 35.0</u>	<u>SOLID N/R</u>
		<u>4.0m CASFO</u>			<u>4.0m CASFO</u>
<u>417</u>	<u>0 - 2.9</u>	<u>OVERBURDEN</u>			
<u>5°</u>	<u>2.9 - 3.4</u>	<u>SANDSTONE</u>			
	<u>3.4 - 5.1</u>	<u>COAL</u>			
	<u>5.1 - 17.6</u>	<u>SANDSTONE, MUDSTONE</u>			
	<u>17.6 - 18.8</u>	<u>SOFT N/R</u>			
	<u>18.8 - 35.0</u>	<u>SOLID N/R</u>			
		<u>4.0m CASFO</u>			

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	<u>3</u>	<u>105</u>	<u>12</u>	Gas Detected: Yes / <u>No</u>
Previous	<u>179</u>	<u>5,880</u>	<u>522</u>	
To Date	<u>182</u>	<u>5,985</u>	<u>534</u>	
Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns				

	Comments
Van Elle Operative Name: <u>STEVEN BEU</u>	
Signed: <u>S. BEU</u>	
Date: <u>28.5.26</u>	
Client's Name: <u>Joe Jones</u>	
Client's Position: <u>Engineer</u>	
Signature: <u>[Signature]</u>	
Date: <u>28/05/26</u>	

Open Hole Drillers Log

Site: <u>SMITHVILLE MODEL ACADEMY</u>			Sheet: <u>1</u> of <u>2</u>		
Rig / Method: <u>C6 X D2 1855</u>		Crew: <u>SCOTT R. ROSS S</u>		Date: <u>22.5.26</u>	
BH / Casing Diameter:			Flushing Method:		
BH	Depth (m)	Strata Description	BH	Depth (m)	Strata Description
<u>427</u>	<u>0-4.5</u>	<u>OVERBURDEN</u>	<u>AC27</u>	<u>0-1.8</u>	<u>OVERBURDEN</u>
	<u>4.5-16.6</u>	<u>SANDSTONE, MUDDSTONE</u>		<u>1.8-3.0</u>	<u>SANDSTONE</u>
	<u>16.6-18.6</u>	<u>BROKEN GROUND N/A</u>		<u>3.0-4.5</u>	<u>BROKEN GROUND N/A</u>
	<u>18.6-35.0</u>	<u>SOLID N/A</u>		<u>4.5-16.7</u>	<u>SOLID N/A</u>
		<u>(POSS BELL PIT)</u>		<u>16.7-18.5</u>	<u>BROKEN GROUND N/A</u>
		<u>6.0m CASED</u>		<u>18.5-35.0</u>	<u>SOLID N/A</u>
					<u>2.0m CASED</u>
<u>AA27</u>	<u>0-1.8</u>	<u>OVERBURDEN</u>			
	<u>1.8-2.8</u>	<u>SANDSTONE</u>	<u>T26</u>	<u>0-1.6</u>	<u>OVERBURDEN</u>
	<u>2.8-4.5</u>	<u>BROKEN GROUND N/A</u>		<u>1.6-3.0</u>	<u>SANDSTONE</u>
	<u>4.5-16.5</u>	<u>SOLID N/A</u>		<u>3.0-4.0</u>	<u>COAL</u>
	<u>16.5-18.5</u>	<u>BROKEN GROUND N/A</u>		<u>4.0-16.5</u>	<u>SANDSTONE, MUDDSTONE</u>
	<u>18.5-35.0</u>	<u>SOLID N/A</u>		<u>16.5-18.5</u>	<u>BROKEN GROUND N/A</u>
		<u>2.0m CASED</u>		<u>18.5-35.0</u>	<u>SOLID N/A</u>
					<u>2.0m CASED</u>

Totals:	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	<u>4</u>	<u>140</u>	<u>12</u>	
Previous	<u>182</u>	<u>5,985</u>	<u>534</u>	Gas Detected: Yes <u>NO</u>
To Date	<u>186</u>	<u>6,125</u>	<u>546</u>	
Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns				

Van Elle Operative Name: <u>SCOTT R. ROSS</u> Signed: <u>S. ROSS</u> Date: <u>28.5.26</u> Clients Name: <u>JOE JONES</u> Clients Position: <u>ENGINEER</u> Signature: <u>[Signature]</u> Date: <u>28.05.26</u>	<u>Comments</u>
--	---

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	3	105	10	
Previous	186	6,125	546	Gas Detected: Yes / <u>No</u>
To Date	189	6,230	556	
Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns				

		Comments
Van Elle Operative Name.....	STEVEN BELL	
Signed.....	S. Bell	
Date.....	28-5-26	
Client's Name.....	Joe Jones	
Client's Position.....	Engineer	
Signature.....	[Signature]	
Date.....	28/05/26	

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	4	140	16	
Previous	189	6,230	556	Gas Detected: Yes / <u>No</u>
To Date	193	6,370	572	
Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns				

		Comments
Van Elle Operative Name	Steven Rau	
Signed	S. Rau	
Date	29.5.26	
Client's Name	Joe Jones	
Client's Position	Engineer	
Signature	[Signature]	
Date	01.10.26	

Open Hole Drillers Log

Site: <u>SMITHS MOOR ACADEMY</u>			Sheet: <u>2</u> of <u>2</u>		
Rig / Method: <u>CBX P 1290</u>		Crew: <u>MAT.C, ALAN.C</u>		Date: <u>28.5.26</u>	
BH / Casing Diameter:			Flushing Method:		
BH	Depth (m)	Strata Description	BH	Depth (m)	Strata Description
<u>222</u>	<u>0-2.0</u>	<u>OVERSAND</u>	<u>AB70</u>	<u>0-3.6</u>	<u>OVERSAND</u>
	<u>3.0-3.5</u>	<u>SANDSTONE</u>	<u>3°</u>	<u>3.6-4.4</u>	<u>SANDSTONE</u>
	<u>3.5-5.1</u>	<u>SOFT N/A</u>		<u>4.4-5.1</u>	<u>COAL</u>
	<u>5.1-17.6</u>	<u>SOLID N/A</u>		<u>5.1-17.6</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>17.6-19.2</u>	<u>BROKEN GROUND N/A</u>		<u>17.6-19.0</u>	<u>BROKEN GROUND N/A</u>
	<u>19.2-35.0</u>	<u>SOLID N/A</u>		<u>19.0-35.0</u>	<u>SOLID N/A</u>
		<u>4.0m CASED</u>			<u>4.0m CASED</u>
<u>AA21</u>	<u>0-3.5</u>	<u>OVERSAND</u>			
	<u>3.5-4.3</u>	<u>SANDSTONE</u>			
	<u>4.3-5.0</u>	<u>COAL</u>			
	<u>5.0-17.5</u>	<u>SANDSTONE, MUDSTONE</u>			
	<u>17.5-18.8</u>	<u>COAL</u>			
	<u>18.8-35.0</u>	<u>SANDSTONE, MUDSTONE</u>			
		<u>4.0m CASED</u>			

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	<u>3</u>	<u>105</u>	<u>12</u>	Gas Detected: Yes / <u>No</u>
Previous	<u>193</u>	<u>6,370</u>	<u>572</u>	
To Date	<u>196</u>	<u>6,475</u>	<u>584</u>	
Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns				

Van Elle Operative Name: <u>STEVEN BELL</u> Signed: <u>S. Bell</u> Date: <u>29.5.26</u> Clients Name: <u>JOE JONES</u> Clients Position: <u>Engineer</u> Signature: <u>[Signature]</u> Date: <u>01/06/26</u>	<u>Comments</u>
--	---

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	4	140	12	
Previous	196	6,475	584	Gas Detected: Yes / <u>No</u>
To Date	200	6,615	596	
Key:	C/T - Coal Traces	N/R - No Returns	P/R - Poor Returns	

Comments	
Van Elle Operative Name <u>S. Bou</u>	
Signed <u>S. Bou</u>	
Date <u>29.5.26</u>	
Clients Name <u>Joe Jones</u>	
Clients Position <u>Engineer</u>	
Signature <u>[Signature]</u>	
Date <u>01/06/26</u>	

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	3	105	10	
Previous	200	6,615	596	Gas Detected: Yes / <u>No</u>
To Date	203	6,720	606	
Key:	C/T - Coal Traces	N/R - No Returns	P/R - Poor Returns	

Comments	
Van Elle Operative Name <u>STEVEN NGU</u>	
Signed <u>S. Ngu</u>	
Date <u>29.5.26</u>	
Client's Name <u>Joe Jones</u>	
Client's Position <u>Engineer</u>	
Signature <u>[Signature]</u>	
Date <u>01/06/26</u>	

Open Hole Drillers Log

Site: <u>SMITHIES MOOR ACADEMY</u>			Sheet: <u>1</u> of <u>1</u>		
Rig / Method: <u>C6 XP2 1855</u>		Crew: <u>SCOTT, A. ROSS, S</u>		Date: <u>29.5.26</u>	
BH / Casing Diameter:			Flushing Method:		
BH	Depth (m)	Strata Description	BH	Depth (m)	Strata Description
<u>D824</u>	<u>0-1.5</u>	<u>OVERBURDEN</u>	<u>AC21</u>	<u>0-1.5</u>	<u>OVERBURDEN</u>
	<u>1.5-2.8</u>	<u>SANDSTONE</u>		<u>1.5-2.8</u>	<u>SANDSTONE</u>
	<u>2.8-4.5</u>	<u>COAL</u>		<u>2.8-4.5</u>	<u>COAL</u>
	<u>4.5-16.3</u>	<u>MUDSTONE, SANDSTONE</u>		<u>4.5-16.7</u>	<u>SANDSTONE, MUDSTONE</u>
	<u>16.3-18.3</u>	<u>COAL</u>		<u>16.7-18.5</u>	<u>COAL</u>
	<u>18.3-35.0</u>	<u>SANDSTONE, MUDSTONE</u>		<u>18.5-31.0</u>	<u>SANDSTONE, MUDSTONE</u>
		<u>2.0m CASED</u>			<u>2.0m CASED</u>
<u>AC23</u>	<u>0-4.5</u>	<u>OVERBURDEN</u>	<u>AC25</u>	<u>0-1.7</u>	<u>OVERBURDEN</u>
	<u>4.5-16.7</u>	<u>SANDSTONE, MUDSTONE</u>		<u>1.7-3.0</u>	<u>SANDSTONE</u>
	<u>16.7-18.5</u>	<u>COAL</u>		<u>3.0-4.4</u>	<u>COAL</u>
	<u>18.5-35.0</u>	<u>SANDSTONE, MUDSTONE</u>		<u>4.4-16.8</u>	<u>SANDSTONE, MUDSTONE</u>
		<u>(POSS BELL DR)</u>		<u>16.8-18.2</u>	<u>COAL</u>
		<u>6.0m CASED</u>		<u>18.2-31.0</u>	<u>SANDSTONE, MUDSTONE</u>
					<u>2.0m CASED</u>

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	<u>4</u>	<u>140</u>	<u>14</u>	
Previous	<u>203</u>	<u>6,720</u>	<u>606</u>	Gas Detected: Yes / <u>No</u>
To Date	<u>207</u>	<u>6,860</u>	<u>620</u>	
Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns				

Van Elle Operative Name: <u>STEVE BELL</u> Signed: <u>S. Bell</u> Date: <u>29.5.26</u> Clients Name: <u>Joe Jones</u> Clients Position: <u>Engineer</u> Signature: <u>[Signature]</u> Date: <u>03/06/26</u>	<u>Comments</u>
---	---

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	1	35.0	4	
Previous	209	6,930	628	Gas Detected: Yes / <u>No</u>
To Date	210	6,965	632	
Key:	C/T - Coal Traces	N/R - No Returns	P/R - Poor Returns	

		Comments
Van Elle Operative Name..	STEVEN BOW	
Signed.....	S. BOW	
Date.....	1.6.26	
Clients Name.....	Joe Jones	
Clients Position.....	Engineer	
Signature.....	[Signature]	
Date.....	03/05/26	

Open Hole Drillers Log

Site: <u>SMITHS MOON ACADEMY</u>			Sheet: <u>1</u> of <u>3</u>		
Rig / Method: <u>C6XP 1290</u>		Crew: <u>MATT C. TOBY L</u>		Date: <u>2.6.26</u>	
BH / Casing Diameter:			Flushing Method:		
BH	Depth (m)	Strata Description	BH	Depth (m)	Strata Description
AA24	0-1.6	OVERBURDEN	725	0-1.7	OVERBURDEN
	1.6-2.6	SANDSTONE		1.7-2.9	SANDSTONE
	2.6-3.8	SOFT (GROUT TRACES)		2.9-4.0	SOFT GROUT
	3.8-6.0	SANDSTONE		4.0-6.0	SANDSTONE
		2.0m CASED			2.0m CASED
223	0-1.7	OVERBURDEN	AB27	0-4.3	OVERBURDEN / SOFT
	1.7-2.8	SANDSTONE		4.3-6.0	SANDSTONE
	2.8-3.9	SOFT (GROUT TRACES)			4.0m CASED
	3.9-6.0	SANDSTONE			
		2.0m CASED	AA28	0-4.3	OVERBURDEN / SOFT
				4.3-6.0	SANDSTONE
AA26	0-1.7	OVERBURDEN			4.0m CASED
TH10	1.7-2.6	SANDSTONE			
	2.6-4.0	SOFT GROUT	729	0-4.2	OVERBURDEN / SOFT
	4.0-6.0	SANDSTONE		4.2-6.0	SANDSTONE
		2.0m CASED			4.0m CASED

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	<u>7</u>	<u>42</u>	<u>20</u>	
Previous	<u>210</u>	<u>6,965</u>	<u>632</u>	
To Date	<u>217</u>	<u>7,007</u>	<u>652</u>	Gas Detected: Yes <u>No</u>

Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns

Van Elle Operative Name: <u>STEVEN BELL</u> Signed: <u>S. Bell</u> Date: <u>3.6.26</u> Clients Name: <u>Joe Jones</u> Clients Position: <u>Engineer</u> Signature: <u>[Signature]</u> Date: <u>03/06/26</u>	<u>Comments</u>
---	---

VAN ELLE
TOTAL FOUNDATION SOLUTIONS

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	6	65	12	
Previous	217	7,007	652	Gas Detected: Yes / <u>No</u>
To Date	223	7,072	664	
Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns				

Comments	
Van Elle Operative Name <u>Steve Bell</u>	
Signed <u>S. Bell</u>	
Date <u>3-6-26</u>	
Client's Name <u>Joe Jones</u>	
Client's Position <u>Engineer</u>	
Signature <u>[Signature]</u>	
Date <u>03/06/26</u>	

Open Hole Drillers Log

Site: <u>SMITHIES MODEL ACADEMY</u>			Sheet: <u>3</u> of <u>3</u>		
Rig / Method: <u>CBX 1290</u>		Crew: <u>MATT. C. TOM. L</u>		Date: <u>2.6.26</u>	
BH / Casing Diameter:			Flushing Method:		
BH	Depth (m)	Strata Description	BH	Depth (m)	Strata Description
<u>V25</u>	<u>0-1.7</u>	<u>OVERBORDEN</u>	<u>V21</u>	<u>0-3.0</u>	<u>OVERBORDEN</u>
<u>TW8</u>	<u>1.7-2.8</u>	<u>SANDSTONE</u>		<u>3.0-3.7</u>	<u>SANDSTONE</u>
	<u>2.8-4.5</u>	<u>GRAVEL</u>		<u>3.7-5.0</u>	<u>COAL</u>
	<u>4.5-6.0</u>	<u>SANDSTONE</u>		<u>5.0-6.0</u>	<u>SANDSTONE</u>
		<u>2.0m CASED</u>			<u>2.0m CASED</u>
<u>V22</u>	<u>0-3.0</u>	<u>OVERBORDEN</u>	<u>V23</u>	<u>0-3.2</u>	<u>OVERBORDEN</u>
<u>TW9</u>	<u>3.0-3.7</u>	<u>SANDSTONE</u>		<u>3.2-3.9</u>	<u>SANDSTONE</u>
	<u>3.7-5.0</u>	<u>SOFT GRAVEL</u>		<u>3.9-5.0</u>	<u>SOFT GRAVEL</u>
	<u>5.0-6.0</u>	<u>SANDSTONE</u>		<u>5.0-6.0</u>	<u>SANDSTONE</u>
		<u>2.0m CASED</u>			<u>2.0m CASED</u>
<u>V24</u>	<u>0-1.8</u>	<u>OVERBORDEN</u>			
	<u>1.8-2.5</u>	<u>SANDSTONE</u>			
	<u>2.5-4.0</u>	<u>SOFT GRAVEL</u>			
	<u>4.0-6.0</u>	<u>SANDSTONE</u>			
		<u>2.0m CASED</u>			

Totals	BH	Drill (m)	Case (m)	Gas Monitored: <u>Yes</u> / No
Today	<u>5</u>	<u>20</u>	<u>10</u>	Gas Detected: Yes / <u>No</u>
Previous	<u>223</u>	<u>7,072</u>	<u>664</u>	
To Date	<u>228</u>	<u>7,102</u>	<u>674</u>	
Key: C/T - Coal Traces N/R - No Returns P/R - Poor Returns				

Van Elle Operative Name: <u>STEVEN ROX</u> Signed: <u>S. ROX</u> Date: <u>3.6.26</u> Clients Name: <u>JOE JONES</u> Clients Position: <u>Engineer</u> Signature: <u>[Signature]</u> Date: <u>03/06/26</u>	<u>Comments</u>
---	---

Appendix 2:

Grout Logs

Daily & Accumulative Grouting Return

PFA - 136091 - 28.260
PFA - 136046 - 28.100
PFA - 136055 - 28.140



Job No. 253567				Site: SMITHIES MODEL ACADEMY			Date: 12.5.26				Sheet 1 of 2			
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)
N3	35.0m	2 BAR	FULL	COAL	0.26	0.02	0.24			Today's Deliveries	6.0	84.500		
P5	35.0m	2 BAR	FULL	COAL	0.26	0.02	0.24			Previous Deliveries	-	-		
P7	35.0m	2 BAR	FULL	COAL	0.26	0.02	0.24			Total Deliveries	6.0	84.500		
N7	35.0m	2 BAR	FULL	COAL	0.26	0.02	0.24			Total Used	0.26	3.12		
L7	35.0m	2 BAR	FULL	COAL	0.26	0.02	0.24			Stock on Site	5.74	81.380		
S3	35.0m	2 BAR	FULL	COAL	0.26	0.02	0.24			CUBES TAKEN	FLOW & BLEED RESULTS / OTHER REMARKS			
T4	35.0m	2 BAR	FULL	COAL	0.26	0.02	0.24			Today	4	FLOW - 420 BLEED - 997/1000		
S5	35.0m	2 BAR	FULL	COAL	0.26	0.02	0.24			Previous	-			
U5	35.0m	2 BAR	FULL	COAL	0.26	0.02	0.24			Total to Date	4			
T8	35.0m	2 BAR	FULL	COAL	0.26	0.02	0.24			GROUTING CREW / EQUIPMENT				
U9	35.0m	2 BAR	FULL	COAL	0.26	0.02	0.24			D. DOWELSON G. BROWN				
T10	35.0m	2 BAR	FULL	COAL	0.26	0.02	0.24			I CONFIRM THIS IS A TRUE RECORD				
U11	35.0m	2 BAR	FULL	COAL	0.26	0.02	0.24			VAN ELLE NAME: Steven Bae				
										VAN ELLE SIGNATURE: S. Bae				
13	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	3.38	0.26	3.12			CLIENT'S NAME: Joe Jones				
-	PREVIOUS TOTAL			PREVIOUS TOTAL	-	-	-			CLIENT'S SIGNATURE: [Signature]				
13	TOTAL TODATE			TOTAL GROUTING	3.38	0.26	3.12			DATE: 13.5.26				

Document Owner: Division Director
Document Number: GS-FM-GRT008
Date of Issue: 08.07.2024

Document Type: Form
Page: 1 of 1
Version: 1.0

Daily & Accumulative Grouting Return

Job No. 253567				Site: SMITHIES MOOR ACADEMY			Date: 12.5.26				Sheet 2 of 2				
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)	
L3	35.0m	2 BAR	Full	BROKEN GROUND	2.6	0.2	2.4			Today's Deliveries	—	—			
P3	"	"	Full	"	2.275	0.175	2.1			Previous Deliveries	6.0	84.500			
L5	"	"	Full	SOFT	1.95	0.15	1.8			Total Deliveries	6.0	84.500			
N5	"	"	Full	"	1.95	0.15	1.8			Total Used	2.73	32.76			
U1	"	"	Full	"	2.6	0.2	2.4			Stock on Site	3.27	51.74			
U3	"	"	Full	"	2.6	0.2	2.4			CUBES TAKEN	FLOW & BLEED RESULTS / OTHER REMARKS				
T2	"	"	Full	"	2.275	0.175	2.1			Today					—
T6	"	"	Full	"	3.25	0.25	3.0			Previous					4
R2	"	"	Full	BROKEN GROUND	3.575	0.275	3.3			Total to Date					4
R4	"	"	Full	SOFT	2.925	0.225	2.7			GROUTING CREW / EQUIPMENT					
V10	"	"	St	BROKEN GROUND	3.25	0.25	3.0			D. WILKINSON G. BRAY					
T12	"	"	Full	"	2.6	0.2	2.4			I CONFIRM THIS IS A TRUE RECORD					
V12	"	"	Full	COAL	0.26	0.02	0.24			VAN ELLE NAME: STEVEN BEU					
										VAN ELLE SIGNATURE: S. Beu					
12	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	32.11	2.47	29.64			CLIENT'S NAME: Joe Jones					
13	PREVIOUS TOTAL			PREVIOUS TOTAL	3.38	0.26	3.12			CLIENT'S SIGNATURE: [Signature]					
25	TOTAL TODATE			TOTAL GROUTING	35.49	2.73	32.76			DATE: 12.5.26					

Document Owner: Division Director
Document Number: GS-FM-GRT008
Date of Issue: 08.07.2024

Document Type: Form
Page: 1 of 1
Version: 1.0

Daily & Accumulative Grouting Return

PFA - 136128 - 27.920

Job No. 28567				Site: SMITHIES MOOR ACADEMY			Date: 13.5.26				Sheet 1 of 2				
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)	
T14	35.0m		full	COAL	0.26	0.02	0.24			Today's Deliveries	—	27.920			
V13	"		full	COAL	0.26	0.02	0.24			Previous Deliveries	6.0	84.900			
X14	"		full	COAL	0.26	0.02	0.24			Total Deliveries	6.0	112.420			
X12	"		full	COAL	0.26	0.02	0.24			Total Used	2.99	35.88			
W11	"		full	COAL	0.26	0.02	0.24			Stock on Site	3.01	76.54			
V8	"		full	COAL	0.26	0.02	0.24			CUBES TAKEN	FLOW & BLEED RESULTS / OTHER REMARKS Today — FLOW - 440 Previous 4 BLEED - 997 / 1000 Total to Date 4				
AE1	"		full	COAL	0.26	0.02	0.24			Today					—
AE3	"		full	COAL	0.26	0.02	0.24			Previous					4
AD2	"		full	COAL	0.26	0.02	0.24			Total to Date					4
AC1	"		full	COAL	0.26	0.02	0.24			GROUTING CREW / EQUIPMENT D. WHERSON G. BRAY L. TAYLOR					
AC3	"		full	COAL	0.26	0.02	0.24								
Y1	"		full	COAL	0.26	0.02	0.24								
W1	"		full	COAL	0.26	0.02	0.24			I CONFIRM THIS IS A TRUE RECORD VAN ELLE NAME: STEVEN BELL VAN ELLE SIGNATURE: S. BELL CLIENT'S NAME: JOE JONES CLIENT'S SIGNATURE: [Signature] DATE: 14/05/26					
13	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	3.38	0.26	3.12								
25	PREVIOUS TOTAL			PREVIOUS TOTAL	35.49	2.73	32.76								
38	TOTAL TODATE			TOTAL GROUTING	38.87	2.99	35.88								

 Document Owner:
 Document Number:
 Date of Issue:

 Division Director
 GS-FM-GRT008
 08.07.2024

 Document Type Form
 Page: 1 of 1
 Version: 1.0

Daily & Accumulative Grouting Return

Job No. 253561				Site: SMITHIES model ACADEMY			Date: 13.5.26				Sheet 2 of 2				
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)	
V14	35.0m		Full	BROKEN GROUND	3.25	0.25	3.0			Today's Deliveries	/	/			
W13	"		Full	Soft	0.26	0.02	0.24			Previous Deliveries					
V10	"		Full	BROKEN GROUND	3.575	0.275	3.3			Total Deliveries	6.0	112.420			
X10	"		ST	"	3.25	0.25	3.0			Total Used	5.05	60.600			
X8	"		ST	"	3.25	0.25	3.0			Stock on Site	0.95	51.820			
AF2	"		Full	"	2.275	0.175	2.1			CUBES TAKEN	FLOW & BLEED RESULTS / OTHER REMARKS				
AB2	"		ST	"	2.925	0.225	2.7			Today					—
AA1	"		Full	Soft	3.575	0.275	3.3			Previous					4
AA3	"		ST	"	3.9	0.3	3.6			Total to Date					4
W3	"		Full	COAL	0.26	0.02	0.24			GROUTING CREW / EQUIPMENT					
Y3	"		Full	"	0.26	0.02	0.24			D. WHELER G. BRAY L. TAYLOR					
										I CONFIRM THIS IS A TRUE RECORD					
										VAN ELLE NAME: Steven Bell					
										VAN ELLE SIGNATURE: S. Bell					
7	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	26.78	2.06	24.72			CLIENT'S NAME: Joe Jones					
38	PREVIOUS TOTAL			PREVIOUS TOTAL	38.87	2.99	35.88			CLIENT'S SIGNATURE: [Signature]					
45	TOTAL TODATE			TOTAL GROUTING	65.65	5.05	60.600			DATE: 14/05/26					

Document Owner: Division Director
Document Number: GS-FM-GRT008
Date of Issue: 08.07.2024

Document Type: Form
Page: 1 of 1
Version: 1.0

Daily & Accumulative Grouting Return

Job No. 253567				Site: SMITHIES MOOR ACADEMY			Date: 14.5.26				Sheet 1 of 2			
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)
TN1	35.0m	2 BAR	Full	GROUT TRACES	0.26	0.02	0.24				Today's Deliveries	9.0	27.780	
TN2	"	2 BAR	Full	"	0.26	0.02	0.24				Previous Deliveries	6.0	112.420	
W9	"		Full	CoAL	0.26	0.02	0.24				Total Deliveries	15.0	140.200	
W7	"		Full	"	0.26	0.02	0.24				Total Used	5.82	69.840	
W5	"		Full	"	0.26	0.02	0.24				Stock on Site	9.18	70.360	
V6	"		Full	"	0.26	0.02	0.24				CUBES TAKEN		FLOW & BLEED RESULTS / OTHER REMARKS	
V4	"		Full	"	0.26	0.02	0.24				Today	-	FLOW TEST - 480 BLEED - 997/1000	
V2	"		Full	"	0.26	0.02	0.24				Previous	4		
X6	"		Full	"	0.26	0.02	0.24				Total to Date	4		
X4	"		Full	"	0.26	0.02	0.24				GROUTING CREW / EQUIPMENT			
X2	"		Full	"	0.26	0.02	0.24				D. WILKINSON B. BLAIR L. THURKILL			
X10	"		Full	BROKEN GROUND	8.9	0.3	3.6				I CONFIRM THIS IS A TRUE RECORD			
X8	"		Full	"	8.25	0.25	8.0				VAN ELLE NAME: STEVEN BELL			
											VAN ELLE SIGNATURE: S. Bell			
13	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	10.01	0.77	9.24				CLIENT'S NAME: Joe Jones			
45	PREVIOUS TOTAL			PREVIOUS TOTAL	65.65	5.05	60.600				CLIENT'S SIGNATURE: [Signature]			
58	TOTAL TODATE			TOTAL GROUTING	75.66	5.82	69.840				DATE: 15/05/26			

Document Owner:
Document Number:
Date of Issue:

Division Director
GS-FM-GRT008
08.07.2024

Document Type Form
Page: 1 of 1
Version: 1.0

Daily & Accumulative Grouting Return

Job No. 253567				Site: SMITHIES MOOR ACADEMY			Date: 14.5.26				Sheet 2 of 2			
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)
U7	35.0		FULL	COAL	0.26	0.02	0.24				Today's Deliveries			
TH3	"	2 BAR	FULL	"	0.26	0.02	0.24				Previous Deliveries			
Z2	"		FULL	SOFT	4.225	0.325	3.9				Total Deliveries	15.0	140.200	
AA3	"		FULL	"	4.225	0.325	3.9				Total Used	7.405	88.860	
AB2	"		8 FULL	BROKEN GROUND	4.875	0.375	4.5				Stock on Site	7.595	51.340	
AE5	"		FULL	COAL	0.26	0.02	0.24				CUBES TAKEN		FLOW & BLEED RESULTS / OTHER REMARKS	
AF6	"		ST	BROKEN GROUND	6.5	0.5	6.0				Today	-		
										Previous	4			
										Total to Date	4.			
										GROUTING CREW / EQUIPMENT				
										D. WILKINSON G. BRAY L. TAYLOR				
										I CONFIRM THIS IS A TRUE RECORD				
										VAN ELLE NAME: STEVEN BAY				
										VAN ELLE SIGNATURE: S. BAY				
										CLIENT'S NAME: JOR JONES				
										CLIENT'S SIGNATURE: [Signature]				
										DATE: 15/5/26				
6	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	20.605	1.585	19.02							
58	PREVIOUS TOTAL			PREVIOUS TOTAL	75.66	5.82	69.840							
64	TOTAL TODAY			TOTAL GROUTING	96.265	7.405	88.860							

 Document Owner:
 Document Number:
 Date of Issue:

 Division Director
 GS-FM-GRT008
 08.07.2024

 Document Type Form
 Page: 1 of 1
 Version: 1.0

Daily & Accumulative Grouting Return

Job No. 253567				Site: SMITHS MOOR ACADEMY			Date: 15.5.26				Sheet 1 of 1			
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)
A84, 211			FULL	COAL	0.52	0.04	0.48				Today's Deliveries	/	/	
Y5, 212			"	"	0.52	0.04	0.48				Previous Deliveries			
AA5, 210			"	"	0.52	0.04	0.48				Total Deliveries	15.0	140.200	
26, 216			"	"	0.52	0.04	0.48				Total Used	8.685	104.220	
A86			"	"	0.26	0.02	0.24				Stock on Site	6.315	35.98	
Y7			"	Broken Grout	1.95	0.15	1.8				CUBES TAKEN		FLOW & BLEED RESULTS / OTHER REMARKS	
Y9			"	"	1.625	0.125	1.5				Today	-	FLOW TEST - 400	
24			"	"	2.6	0.2	2.4				Previous	4	BLEED TEST - 998/1000	
A04			"	"	2.6	0.2	2.4				Total to Date	4		
Af4			"	"	2.275	0.175	2.1				GROUTING CREW / EQUIPMENT			
Af6			"	"	1.95	0.15	1.8				D. JOHNSON G. BLAIR L. TAYLOR			
Ac5			"	Soft	1.3	0.1	1.2				I CONFIRM THIS IS A TRUE RECORD			
											VAN ELLE NAME: Steven Bell			
											VAN ELLE SIGNATURE: S. Bell			
16	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	16.64	1.28	15.36				CLIENT'S NAME: Joe Jones			
64	PREVIOUS TOTAL			PREVIOUS TOTAL	96.265	7.405	88.860				CLIENT'S SIGNATURE: [Signature]			
80	TOTAL TODATE			TOTAL GROUTING	112.905	8.685	104.22				DATE: 19/05/26			

Document Owner:
Document Number:
Date of Issue:

Division Director
GS-FM-GRT008
08.07.2024

Document Type Form
Page: 1 of 1
Version: 1.0

Daily & Accumulative Grouting Return

Job No. <u>253567</u>				Site: <u>SPRINTWIES MOOL ACADEMY</u>			Date: <u>18.5.26</u>				Sheet <u>1</u> of <u>1</u>			
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)
<u>214</u>			<u>Full</u>	<u>COAL</u>	<u>0.26</u>	<u>0.02</u>	<u>0.24</u>			Today's Deliveries		<u>56.200</u>		
<u>AA7</u>			<u>Full</u>	<u>"</u>	<u>0.26</u>	<u>0.02</u>	<u>0.24</u>			Previous Deliveries	<u>15.0</u>	<u>140.200</u>		
<u>AA9</u>			<u>Full</u>	<u>"</u>	<u>0.26</u>	<u>0.02</u>	<u>0.24</u>			Total Deliveries	<u>15.0</u>	<u>196.400</u>		
<u>AA11</u>			<u>Full</u>	<u>"</u>	<u>0.26</u>	<u>0.02</u>	<u>0.24</u>			Total Used	<u>9.115</u>	<u>109.380</u>		
<u>AA13</u>			<u>Full</u>	<u>"</u>	<u>0.26</u>	<u>0.02</u>	<u>0.24</u>			Stock on Site	<u>5.885</u>	<u>87.020</u>		
<u>AB12</u>			<u>Full</u>	<u>"</u>	<u>0.26</u>	<u>0.02</u>	<u>0.24</u>			CUBES TAKEN	FLOW & BLEED RESULTS / OTHER REMARKS			
<u>AD6</u>			<u>Full</u>	<u>"</u>	<u>0.26</u>	<u>0.02</u>	<u>0.24</u>			Today	<u>-</u>	<u>Flow TEST - 420</u> <u>BLEED TEST - 998/1000</u>		
<u>AD10</u>			<u>Full</u>	<u>"</u>	<u>0.26</u>	<u>0.02</u>	<u>0.24</u>		Previous	<u>4</u>				
<u>AE7</u>			<u>Full</u>	<u>"</u>	<u>0.26</u>	<u>0.02</u>	<u>0.24</u>		Total to Date	<u>4</u>				
<u>AB10</u>			<u>Full</u>	<u>Soft</u>	<u>0.65</u>	<u>0.05</u>	<u>0.6</u>			GROUTING CREW / EQUIPMENT				
<u>AD8</u>			<u>Full</u>	<u>"</u>	<u>0.65</u>	<u>0.05</u>	<u>0.6</u>			<u>D. JOHNSON</u> <u>G. GRAY</u> <u>M. TAYLOR</u>				
<u>AE9</u>			<u>Full</u>	<u>"</u>	<u>0.325</u>	<u>0.025</u>	<u>0.3</u>			I CONFIRM THIS IS A TRUE RECORD				
<u>AF5</u>			<u>Full</u>	<u>Broken Ground</u>	<u>1.625</u>	<u>0.125</u>	<u>1.5</u>			VAN ELLE NAME: <u>Steve Bell</u>				
<u>13</u>	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	<u>5.59</u>	<u>0.43</u>	<u>5.16</u>			VAN ELLE SIGNATURE: <u>S. Bell</u>				
<u>80</u>	PREVIOUS TOTAL			PREVIOUS TOTAL	<u>112.905</u>	<u>8.685</u>	<u>104.22</u>			CLIENT'S NAME: <u>Joe Jones</u>				
<u>93</u>	TOTAL TODATE			TOTAL GROUTING	<u>118.495</u>	<u>9.115</u>	<u>109.38</u>			CLIENT'S SIGNATURE: <u>[Signature]</u>				
										DATE: <u>19/05/26</u>				

Daily & Accumulative Grouting Return

Job No. 253567				Site: SMITHIES MOOR ACADEMY			Date: 19.5.26				Sheet 1 of			
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)
TH4		2 BAR	FULL	SOFT	0.325	0.025	0.3				Today's Deliveries	1	27.920	
TH5		2 BAR	"	"	0.325	0.025	0.3				Previous Deliveries	15.0	196.400	
AB8			"	COAL	0.26	0.02	0.24				Total Deliveries	15.0	224.220	
AC9			"	"	0.26	0.02	0.24				Total Used	10.535	126.420	
AF10			"	"	0.26	0.02	0.24				Stock on Site	4.465	97.800	
AE11			"	"	0.26	0.02	0.24				CUBES TAKEN		FLOW & BLEED RESULTS / OTHER REMARKS	
AC13			"	"	0.26	0.02	0.24				Today	1	FLOW TEST - 410 BLEED - 998/1000	
AD16			"	"	0.26	0.02	0.24				Previous	4		
AC17			"	BROKEN GROUND	3.9	0.3	3.6 0.24				Total to Date	4		
AC11			"	"	2.925	0.225	2.7				GROUTING CREW / EQUIPMENT			
AF12			ST	"	4.55	0.35	4.2				D. WILSON M. TRUDE			
AD14			ST	SOFT	4.875	0.375	4.5				I CONFIRM THIS IS A TRUE RECORD			
											VAN ELLE NAME: STORM BELL			
											VAN ELLE SIGNATURE: S. BELL			
											CLIENT'S NAME: JOE JONES			
											CLIENT'S SIGNATURE: [Signature]			
											DATE: 20/05/26			
10	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT		18.46	1.42	17.04						
93	PREVIOUS TOTAL			PREVIOUS TOTAL		118.495	9.115	109.38						
103	TOTAL TODATE			TOTAL GROUTING		136.955	10.535	126.42						

Document Owner:
Document Number:
Date of Issue:

Division Director
GS-FM-GRT008
08.07.2024

Document Type
Page:
Version:

Form
1 of 1
1.0

Daily & Accumulative Grouting Return

Job No. <u>253567</u>				Site: <u>SMITHIES MOOR ACADEMY</u>			Date: <u>20.5.26</u>				Sheet <u>1</u> of <u>1</u>			
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)
AF12			Full	Reckers Ground	1.625	0.125	1.5			Today's Deliveries	/	/		
AE13			"	"	1.3	0.1	1.2			Previous Deliveries				
AD14			"	Soft	0.65	0.05	0.6			Total Deliveries	15.0	224.220		
AD12			"	Coal	0.26	0.02	0.24			Total Used	10.97	131.640		
Y13			"	"	0.26	0.02	0.24			Stock on Site	4.03	92.580		
Y15			"	"	0.26	0.02	0.24			CUBES TAKEN		FLOW & BLEED RESULTS / OTHER REMARKS		
AB14			"	"	0.26	0.02	0.24			Today	-	Flow test - 420 Bleed - 997/1000		
AB16			"	"	0.26	0.02	0.24			Previous	4			
Z16			"	"	0.26	0.02	0.24			Total to Date	4			
AA15			"	"	0.26	0.02	0.24			GROUTING CREW / EQUIPMENT				
AC15			"	"	0.26	0.02	0.24			D. WILKINSON M. TAYLOR				
										I CONFIRM THIS IS A TRUE RECORD				
										VAN ELLE NAME: <u>Simon Bell</u>				
										VAN ELLE SIGNATURE: <u>S. Bell</u>				
11	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	5.655	0.435	5.22			CLIENT'S NAME: <u>Joe Jones</u>				
103	PREVIOUS TOTAL			PREVIOUS TOTAL	136.955	10.535	126.42			CLIENT'S SIGNATURE: <u>[Signature]</u>				
114	TOTAL TODATE			TOTAL GROUTING	142.61	10.97	131.640			DATE: <u>22/05/26</u>				

Daily & Accumulative Grouting Return

Job No. <u>253567</u>				Site: <u>SMITHIES MOON ACADEMY</u>			Date: <u>21.5.26</u>				Sheet <u>1</u> of <u>1</u>			
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)
<u>AD18, T16</u>			<u>Full</u>	<u>Coal</u>	<u>0.52</u>	<u>0.04</u>	<u>0.48</u>			Today's Deliveries	<u>/</u>	<u>/</u>		
<u>AD20, T19</u>			<u>Full</u>	<u>"</u>	<u>0.52</u>	<u>0.04</u>	<u>0.48</u>			Previous Deliveries	<u>/</u>	<u>/</u>		
<u>V15, V23</u>			<u>Full</u>	<u>"</u>	<u>0.52</u>	<u>0.04</u>	<u>0.48</u>			Total Deliveries	<u>15.0</u>	<u>224.220</u>		
<u>V17, AD28</u>			<u>Full</u>	<u>"</u>	<u>0.52</u>	<u>0.04</u>	<u>0.48</u>			Total Used	<u>13.55</u>	<u>162.600</u>		
<u>V19</u>			<u>Full</u>	<u>"</u>	<u>0.26</u>	<u>0.02</u>	<u>0.24</u>			Stock on Site	<u>1.45</u>	<u>61.620</u>		
<u>W15</u>			<u>Full</u>	<u>Soft</u>	<u>2.275</u>	<u>0.175</u>	<u>2.1</u>			CUBES TAKEN		FLOW & BLEED RESULTS / OTHER REMARKS		
<u>V16</u>			<u>Full</u>	<u>"</u>	<u>1.95</u>	<u>0.15</u>	<u>1.8</u>			Today	<u>4</u>	<u>Flow TEST - 400</u> <u>BLEED TEST - 999/1000</u>		
<u>X16</u>			<u>Full</u>	<u>"</u>	<u>2.6</u>	<u>0.2</u>	<u>2.4</u>			Previous	<u>4</u>			
<u>V18</u>			<u>Full</u>	<u>Broken Ground</u>	<u>3.9</u>	<u>0.3</u>	<u>3.6</u>			Total to Date	<u>8</u>			
<u>AD22</u>			<u>Full</u>	<u>"</u>	<u>4.875</u>	<u>0.375</u>	<u>4.5</u>			GROUTING CREW / EQUIPMENT				
<u>AD24</u>			<u>Full</u>	<u>"</u>	<u>5.2</u>	<u>0.4</u>	<u>4.8</u>			<u>D. WHEATSON</u> <u>M. JAYAK</u>				
<u>AD26</u>			<u>Full</u>	<u>Soft</u>	<u>2.6</u>	<u>0.2</u>	<u>2.4</u>			I CONFIRM THIS IS A TRUE RECORD				
<u>X24</u>			<u>ST</u>	<u>Broken Ground</u>	<u>7.8</u>	<u>0.6</u>	<u>7.2</u>			VAN ELLE NAME: <u>Steve Bell</u>				
<u>16</u>	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	<u>33.54</u>	<u>2.58</u>	<u>30.96</u>			VAN ELLE SIGNATURE: <u>S. Bell</u>				
<u>114</u>	PREVIOUS TOTAL			PREVIOUS TOTAL	<u>142.61</u>	<u>10.97</u>	<u>131.640</u>			CLIENT'S NAME: <u>Joe Jones</u>				
<u>130</u>	TOTAL TODATE			TOTAL GROUTING	<u>176.15</u>	<u>13.55</u>	<u>162.600</u>			CLIENT'S SIGNATURE: <u>[Signature]</u>				
										DATE: <u>22/05/26</u>				

Document Owner:
Document Number:
Date of Issue:

Division Director
GS-FM-GRT008
08.07.2024

Document Type Form
Page: 1 of 1
Version: 1.0

Daily & Accumulative Grouting Return

Job No. 258567				Site: SMITHIES MODE ACADEMY			Date: 22.5.26				Sheet 1 of 1			
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)
V21			FULL	COAL	0.26	0.02	0.24			Today's Deliveries	9.0			
T22			"	"	0.26	0.02	0.24			Previous Deliveries	18.0			
T24			"	"	0.26	0.02	0.24			Total Deliveries	24.0	224.220		
V22			"	"	0.26	0.02	0.24			Total Used	15.73	188.76		
W23			"	Soft	1.3	0.1	1.2			Stock on Site	8.27	35.46		
V24			ST	Broken Ground	6.5	0.5	6.0			CUBES TAKEN		FLOW & BLEED RESULTS / OTHER REMARKS		
X24			ST	"	6.5	0.5	6.0			Today	-	FLOW TEST - 410 BLEED - 657 - 998/1000		
V23			ST	"	6.5	0.5	6.0			Previous	8			
X22			ST	"	6.5	0.5	6.0			Total to Date	8			
										GROUTING CREW / EQUIPMENT				
										D. WILSON				
										M. TAYLOR				
										I CONFIRM THIS IS A TRUE RECORD				
										VAN ELLE NAME: Steven Ben				
										VAN ELLE SIGNATURE: S. Ben				
										CLIENT'S NAME: Joe Jones				
										CLIENT'S SIGNATURE: [Signature]				
										DATE: 28/05/26				
5	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT		28.34	2.18	26.16						
130	PREVIOUS TOTAL			PREVIOUS TOTAL		176.15	13.55	162.600						
135	TOTAL TODATE			TOTAL GROUTING		204.49	15.73	188.76						

Daily & Accumulative Grouting Return

Job No. 253561				Site: SMITHIES MOOR ACADEMY			Date: 26.5.26				Sheet 1 of 1			
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)
T30			Full	Coal	0.26	0.02	0.24			Today's Deliveries		28.440		
V30			"	"	0.26	0.02	0.24			Previous Deliveries		224.220		
V29			"	"	0.26	0.02	0.24			Total Deliveries	24.0	252.660		
T26			"	Brown Ground	3.25	0.25	3.0			Total Used	18.215	218.58		
V27			"	"	3.9	0.3	3.6			Stock on Site	5.785	34.08		
W27			"	"	2.6	0.2	2.4			CUBES TAKEN		FLOW & BLEED RESULTS / OTHER REMARKS		
X26			"	"	3.25	0.25	3.0			Today	-	Flow Test - 430 Bleed Test - 997/1000		
Z30			"	"	4.875	0.375	4.5			Previous	8			
X30			"	"	3.25	0.25	3.0			Total to Date	8			
Y29			ST	"	4.875	0.375	4.5			GROUTING CREW / EQUIPMENT				
W29			ST	"	4.875	0.375	4.5			D. WILKINSON K. PHILLIPS D. GRAY				
V28			Full	Soft	0.65	0.05	0.6			I CONFIRM THIS IS A TRUE RECORD				
										VAN ELLE NAME: Geoff Bell				
										VAN ELLE SIGNATURE: S. Bell				
10	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	32.305	2.485	29.82			CLIENT'S NAME: Joe Jones				
135	PREVIOUS TOTAL			PREVIOUS TOTAL	204.49	15.73	188.76			CLIENT'S SIGNATURE: J. Jones				
145	TOTAL TODATE			TOTAL GROUTING	236.795	18.215	218.58			DATE: 28/05/26				

Document Owner:
Document Number:
Date of Issue:

Division Director
GS-FM-GRT008
08.07.2024

Document Type Form
Page: 1 of 1
Version: 1.0

Daily & Accumulative Grouting Return

Job No. 253567				Site: SMITHS MOOL ACADEMY			Date: 27.5.26				Sheet 1 of 2			
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)
X26, AC17			Full	COFL	0.52	0.04	0.48			Today's Deliveries		28.640		
T20, AC19			Full	"	0.52	0.04	0.48			Previous Deliveries		252.660		
V20, AB18			Full	"	0.52	0.04	0.48			Total Deliveries	24.0	281.300		
W17			Full	"	0.26	0.02	0.24			Total Used	19.9	238.800		
W19			Full	"	0.26	0.02	0.24			Stock on Site	4.1	42.500		
Y17			Full	Soft	0.65	0.05	0.6			CUBES TAKEN		FLOW & BLEED RESULTS / OTHER REMARKS		
Y19			Full	"	0.975	0.075	0.9			Today	4	FLOW TEST - 430 BLEED TEST - 997 / 1000		
Z18			Full	BROWN GRANO	0.975	0.075	0.9			Previous	8			
AA17			Full	"	0.65	0.05	0.6			Total to Date	12			
W21			Full	"	3.9	0.3	3.6			GROUTING CREW / EQUIPMENT				
X22			Full	"	2.925	0.225	2.7			D. WHEATON K. PURDUM D. SMITH				
X24			Full	"	4.875	0.375	4.5			I CONFIRM THIS IS A TRUE RECORD				
V24			Full	"	4.875	0.375	4.5			VAN ELLE NAME: STEVEN BOU				
										VAN ELLE SIGNATURE: S. Bou				
16	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	21.905	1.685	20.22			CLIENT'S NAME: Joe Jones				
145	PREVIOUS TOTAL			PREVIOUS TOTAL	236.795	18.215	218.580			CLIENT'S SIGNATURE: [Signature]				
161	TOTAL TODATE			TOTAL GROUTING	258.700	19.9	238.800			DATE: 28/05/26				

Document Owner:	Division Director	Document Type	Form
Document Number:	GS-FM-GRT008	Page:	1 of 1
Date of Issue:	08.07.2024	Version:	1.0

This document is uncontrolled when printed

Daily & Accumulative Grouting Return

Job No. <u>253567</u>				Site: <u>SMITHS MOOR ACADEMY</u>			Date: <u>27.5.26</u>				Sheet <u>2</u> of <u>2</u>			
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)
<u>W29</u>			<u>ST</u>	<u>BROWN SAND</u>	<u>2.6</u>	<u>0.2</u>	<u>2.4</u>				Today's Deliveries			
<u>Y29</u>			<u>ST</u>	<u>"</u>	<u>2.6</u>	<u>0.2</u>	<u>2.4</u>				Previous Deliveries			
<u>T26</u>			<u>ST</u>	<u>"</u>	<u>2.6</u>	<u>0.2</u>	<u>2.4</u>				Total Deliveries	<u>24.0</u>	<u>281.300</u>	
<u>V26</u>			<u>ST</u>	<u>"</u>	<u>2.6</u>	<u>0.2</u>	<u>2.4</u>				Total Used	<u>21.1</u>	<u>253.200</u>	
<u>Y27</u>			<u>ST</u>	<u>"</u>	<u>2.6</u>	<u>0.2</u>	<u>2.4</u>				Stock on Site	<u>2.9</u>	<u>28.100</u>	
<u>Z26</u>			<u>ST</u>	<u>"</u>	<u>2.6</u>	<u>0.2</u>	<u>2.4</u>				CUBES TAKEN		FLOW & BLEED RESULTS / OTHER REMARKS	
											Today	<u>1</u>		
											Previous	<u>12</u>		
											Total to Date	<u>12</u>		
											GROUTING CREW / EQUIPMENT			
											I CONFIRM THIS IS A TRUE RECORD VAN ELLE NAME: <u>SEAN DEW</u> VAN ELLE SIGNATURE: <u>S. DEW</u> CLIENT'S NAME: <u>JOE JONES</u> CLIENT'S SIGNATURE: <u>[Signature]</u> DATE: <u>28/05/26</u>			
<u>1</u>	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	<u>15.600</u>	<u>1.2</u>	<u>14.400</u>							
<u>161</u>	PREVIOUS TOTAL			PREVIOUS TOTAL	<u>258.700</u>	<u>19.9</u>	<u>238.800</u>							
<u>161</u>	TOTAL TODATE			TOTAL GROUTING	<u>274.300</u>	<u>21.1</u>	<u>253.200</u>							

Document Owner: Division Director Document Type: Form
 Document Number: GS-FM-GRT008 Page: 1 of 1
 Date of Issue: 08.07.2024 Version: 1.0

Daily & Accumulative Grouting Return

Job No. 233567				Site: SMITHIES MOOR ACADEMY			Date: 28.5.26				Sheet 1 of 1				
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)	
AA29, AC29			Full	COAL	0.52	0.04	0.48			Today's Deliveries	4.5	27.900			
228, AB28			"	"	0.52	0.04	0.48			Previous Deliveries	24.0	281.300			
AB26, AA25			"	"	0.52	0.04	0.48			Total Deliveries	28.5	309.200			
425			"	"	0.26	0.02	0.24			Total Used	24.34	292.080			
429			Full	RACONER GROUT	2.925	0.225	2.7			Stock on Site	4.16	17.12			
W29			"	"	3.25	0.25	3.0			CUBES TAKEN	FLOW & BLEED RESULTS / OTHER REMARKS FLOW TEST - 440 BLEED TEST - 997 / 1000				
T26			"	"	4.225	0.325	3.9			Today					
V26			"	"	3.9	0.3	3.6			Previous					12
V25			"	"	4.55	0.35	4.2			Total to Date					12
W25			"	"	5.85	0.45	5.4			GROUTING CREW / EQUIPMENT					
427			ST	"	4.55	0.35	4.2			D. WHE K. PURDUM D. BAY					
226			ST	"	5.525	0.425	5.1			I CONFIRM THIS IS A TRUE RECORD					
AA27			ST	"	5.525	0.425	5.1			VAN ELLE NAME: Steven BSA					
1013	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	42.12	3.24	38.880			VAN ELLE SIGNATURE: S. BSA					
161	PREVIOUS TOTAL			PREVIOUS TOTAL	274.300	21.1	253.200			CLIENT'S NAME: Joe Jones					
174	TOTAL TODATE			TOTAL GROUTING	316.420	24.34	292.080			CLIENT'S SIGNATURE: [Signature]					
										DATE: 01/06/26					

Document Owner:	Division Director	Document Type	Form
Document Number:	GS-FM-GRT008	Page:	1 of 1
Date of Issue:	08.07.2024	Version:	1.0

Daily & Accumulative Grouting Return

Job No. <u>253567</u>				Site: <u>SMITHIES ROAD ACADEMY</u>			Date: <u>29.8.26</u>				Sheet <u>1</u> of <u>1</u>			
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)
AC25, AB24			FULL	CORAL	0.52	0.04	0.48				Today's Deliveries	✓	56.400	
AC23, AB22			"	"	0.52	0.04	0.48				Previous Deliveries	28.5	309.200	
AC21, AA23			"	"	0.52	0.04	0.48				Total Deliveries	28.5	365.600	
AA21, AA19			"	"	0.52	0.04	0.48				Total Used	26.0	312.0	
AB20			"	BROKEN GROUND	2.925	0.225	2.7				Stock on Site	2.5	53.600	
Y27			"	"	2.6	0.2	2.4				CUBES TAKEN		FLOW & BLEED RESULTS / OTHER REMARKS	
X18			"	SOFT	0.975	0.075	0.9				Today	✓	FLOW TEST - 410 BLEED TEST - 998/1000	
X20			"	"	0.65	0.05	0.6				Previous	12		
Y21			"	"	0.65	0.05	0.6				Total to Date	12		
Z20			ST	BROKEN GROUND	3.9	0.3	3.6				GROUTING CREW / EQUIPMENT			
Z22			ST	"	3.9	0.3	3.6				D. WONGSON PUNDY D. DEAI			
Z24			ST	"	3.9	0.3	3.6				I CONFIRM THIS IS A TRUE RECORD			
											VAN ELLE NAME: <u>JOE JONES</u>			
											VAN ELLE SIGNATURE: <u>S. DEAI</u>			
13	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	21.56	1.66	19.92				CLIENT'S NAME: <u>JOE JONES</u>			
174	PREVIOUS TOTAL			PREVIOUS TOTAL	316.420	24.34	292.080				CLIENT'S SIGNATURE: <u>[Signature]</u>			
187	TOTAL TODATE			TOTAL GROUTING	338.000	26.0	312.0				DATE: <u>03/06/26</u>			

Document Owner: Division Director Document Type: Form
Document Number: GS-FM-GRT008 Page: 1 of 1
Date of Issue: 08.07.2024 Version: 1.0

Daily & Accumulative Grouting Return

Job No. 253567				Site: SMITHIES MIDDLE ACADEMY			Date: 1.6.26				Sheet 1 of 1				
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)	
AC27			full	BROKEN GROUT	3.9	0.3	3.6			Today's Deliveries	6.0	—			
AA27			"		4.55	0.35	4.2			Previous Deliveries	28.5	365.600			
226			"		2.6	0.2	2.4			Total Deliveries	34.5	365.600			
224			"		4.875	0.375	4.5			Total Used	28.52	342.240			
222			"		5.525	0.425	5.1			Stock on Site	5.98	23.36			
220			"		4.875	0.375	4.5			CUBES TAKEN	FLOW & BLEED RESULTS / OTHER REMARKS				
Y23			"		5.2	0.4	4.8			Today	—	FLOW TEST - 400 BLEED TEST - 998/1000			
										Previous	12				
										Total to Date	12				
				15 PROBE HOLES FOR BELL PITS TOPPED UP WITH GROUT						GROUTING CREW / EQUIPMENT					
					0.975	0.075	0.9			D. WILSON M. COLE S. BELL					
TH6			full	SOLID / GROUT	0.26	0.02	0.24			I CONFIRM THIS IS A TRUE RECORD					
										VAN ELLE NAME: STEVE BELL					
										VAN ELLE SIGNATURE: S. BELL					
23	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	32.76	2.52	30.24			CLIENT'S NAME: Joe Jones					
187	PREVIOUS TOTAL			PREVIOUS TOTAL	338.000	26.0	312.0			CLIENT'S SIGNATURE: [Signature]					
210	TOTAL TODATE			TOTAL GROUTING	370.760	28.52	342.240			DATE: 03/06/26					

Document Owner: Division Director
Document Number: GS-FM-GRT008
Date of Issue: 08.07.2024

Document Type: Form
Page: 1 of 1
Version: 1.0

Daily & Accumulative Grouting Return

Job No. 253561				Site: SMITHS RIVER ROAD ACADEMY			Date: 2.6.26				Sheet 1 of 2			
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)
AA24	6.0m	2 BAR	Full	Soft GROUT TRACES	0.325	0.025	0.3				Today's Deliveries			
223	6.0m	2 BAR	"	"	0.325	0.025	0.3				Previous Deliveries			
AA26	6.0m	2 BAR	"	GROUT	0.1625	0.0125	0.15				Total Deliveries	34.5	365.600	
225	6.0m	2 BAR	"	"	0.1625	0.0125	0.15				Total Used	28.8625	246.350	
AB27	CASING AT 4.0m	2 BAR	"	Soft	0.65	0.05	0.6				Stock on Site	5.6375	19.25	
	CASING AT 2.0m	2 BAR	"	"	0.1625	0.0125	0.15				CUBES TAKEN		FLOW & BLEED RESULTS / OTHER REMARKS	
AA28	CASING AT 4.0m	2 BAR	"	Soft	0.325	0.025	0.3				Today	4	FLOW TEST - 400	
	CASING AT 2.0m	2 BAR	"	"	0.1625	0.0125	0.15				Previous	12	BLEED TEST - 998/1000	
229	CASING AT 4.0m	2 BAR	"	Soft	0.975	0.075	0.9				Total to Date	16		
	CASING AT 2.0m	2 BAR	"	"	0.1625	0.0125	0.15				GROUTING CREW / EQUIPMENT			
428	6.0m	2 BAR	"	Coal	0.065	0.005	0.06				D. WHELAN G. BUA P. CUSAFFE			
430	6.0m	2 BAR	"	Soft P/A	0.325	0.025	0.3				I CONFIRM THIS IS A TRUE RECORD			
229	35.0m	2 BAR	"	GROUT TRACES	0.65	0.05	0.6				VAN ELLE NAME: <u>Stacy Rose</u>			
10	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT	4.4525	0.3425	4.11				VAN ELLE SIGNATURE: <u>S. Rose</u>			
210	PREVIOUS TOTAL			PREVIOUS TOTAL	370.760	28.52	342.240				CLIENT'S NAME: <u>Joe Jones</u>			
220	TOTAL TODATE			TOTAL GROUTING	375.2125	28.8625	346.35				CLIENT'S SIGNATURE: <u>[Signature]</u>			
											DATE: <u>03/06/26</u>			

Document Owner: Division Director: Document Type: Form
Document Number: GS-FM-GRT008 Page: 1 of 1
Date of Issue: 08.07.2024 Version: 1.0

Daily & Accumulative Grouting Return

Job No. 253567				Site: SMITHIER MODEL ACADEMY			Date: 2.6.26				Sheet 2 of 2			
HOLE REF.	DEPTH (m)	PRESSURE (BAR)	FULL / ST	BRIEF LOG OF HOLE	QUANT OF GROUT (T)	OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)		OPC (T)	PFA (T)	SAND (T)	GRAVEL (T)
W30	6.0m	2 BAR	Full	GROUT	0.325	0.025	0.3			Today's Deliveries				
V29	6.0m	2 BAR	Full	"	0.4875	0.0375	0.45			Previous Deliveries				
W28	6.0m	2 BAR	Full	"	0.325	0.025	0.3			Total Deliveries	34.5	365.600		
V25	6.0m	2 BAR	Full	"	0.1625	0.0125	0.15			Total Used	29.08	348.96		
V22	6.0m	2 BAR	Full	"	0.325	0.025	0.3			Stock on Site	5.42	16.644		
V24	6.0m	2 BAR	Full	"	0.65	0.05	0.6			CUBES TAKEN		FLOW & BLEED RESULTS / OTHER REMARKS		
Z21	6.0m	2 BAR	Full	CORE	0.065	0.005	0.06			Today	-			
V23	6.0m	2 BAR	Full	Soft GROUT	0.4875	0.0375	0.45			Previous	16			
										Total to Date	16			
										GROUTING CREW / EQUIPMENT				
										I CONFIRM THIS IS A TRUE RECORD				
										VAN ELLE NAME: Steve Bae				
										VAN ELLE SIGNATURE: S. Bae				
										CLIENT'S NAME: Joe Jones				
										CLIENT'S SIGNATURE: [Signature]				
										DATE: 03/06/26				
228	TOTAL HOLES GROUTED TODAY			TODAY'S TOTAL GROUT		2.8275	0.2175	2.61						
220	PREVIOUS TOTAL			PREVIOUS TOTAL		375.2125	28.8625	346.35						
228	TOTAL TODATE			TOTAL GROUTING		378.04	29.08	348.96						

Document Owner: Division Director
Document Number: GS-FM-GRT008
Date of Issue: 08.07.2024

Document Type: Form
Page: 1 of 1
Version: 1.0

Project Details		Report Details	
Client:	VAN ELLE LTD	Report No.:	CONC:NOR26-05481-C0001
Client Address:	SUMMIT CLOSE KIRKBY IN ASHFIELD NOTTINGHAM NG17 8GJ	Report Date:	24/06/2026
		Issue No.:	3
Project:	P261714 - BR - 253567 SMITHIES MOOR ACADEMY, WHITE LEE ROAD, HECKMONDWIKE,	Recipients:	Sam Palmer

Field Details and Results			
Location in Works: SITE WIDE		Mix: 12-1 MIX PFA-OPC	
Fresh Concrete Sampling performed by third party and not covered under this laboratory's accreditation			
Sample ID:	NOR26-05481-C0001	Client Sample ID:	NOR075272

Compressive Strength of test specimens (100 mm Cube)								
Making and initial curing of specimens for strength tests performed by third party and not covered under this laboratory's accreditation								
Date Made:			27/05/2026		Date and Time Received:		03/06/2026 10:04	
Laboratory Test Methods: BS EN 12390-7 - 2019, BS EN 12390-1 - 2021, BS EN 12390-3 - 2019								
Specimen ID	Client ID	Age at Test (Days)	Test Date	Width/Depth/Height (mm)	Density (kg/m³)	Failure Load (kN)	Compressive Strength (N/mm²)	Specified Strength (N/mm²)
026107\A	A1	12	08/06/2026	100/100/100	1340	24.6	2.5	
Mass Determination: As Received.								
026107\B	A2	14	10/06/2026	100/100/100	1410	21.7	2.2	
Mass Determination: As Received, Specimen Assessment: AIR CURED.								
026107\C	A3	28	24/06/2026	100/100/100	1350	31.6	3.2	
Mass Determination: As Received, Specimen Assessment: Polymould, AIR CURED.								
026107\D	A4	Spare/56	22/07/2026					

Notes	
The following apply unless otherwise stated in specimen notes: Laboratory curing tank temperature range (°C): 18 to 22. Specimen appearance as received satisfactory. Specimens transported within 16 hours of making are classified as deviating from the standard requirements.	
	BS EN 12390-7 - 2019 Hardened concrete density test carried out in saturated condition. Volume determined by measurement or designated size. Any fins removed by abrasive stone. BS EN 12390-3 - 2019 Specimen failure normal, specimen appearance normal.

Signed:		Paul Haddock - Project Manager
Signed Date:	24/06/2026	For and on behalf of SOCOTEC UK Limited Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Comments
This test report is re-issued as new test results become available after specimens are tested at the ages noted herein. Where the report is re-issued as a result of any other amendments, such amendments will be clearly identified in the report comments below. The Report No. and Issue No. can be found in the Report Details section above. This report Issue No. supersedes all previous versions.

Concrete Test Report

TEST REPORT



Project Details		Report Details	
Client:	VAN ELLE LTD	Report No.:	CONC:NOR26-05481-C0002
Client Address:	SUMMIT CLOSE KIRKBY IN ASHFIELD NOTTINGHAM NG17 8GJ	Report Date:	24/06/2026
		Issue No.:	3
Project:	P261714 - BR - 253567 SMITHIES MOOR ACADEMY, WHITE LEE ROAD, HECKMONDWIKE,	Recipients:	Sam Palmer

Field Details and Results			
Location in Works: SITE WIDE		Mix: 12-1 MIX PFA-OPC	
Fresh Concrete Sampling performed by third party and not covered under this laboratory's accreditation			
Sample ID:	NOR26-05481-C0002	Client Sample ID:	NOR075273

Compressive Strength of test specimens (100 mm Cube)								
Making and initial curing of specimens for strength tests performed by third party and not covered under this laboratory's accreditation								
Date Made:			27/05/2026		Date and Time Received:		03/06/2026 10:05	
Laboratory Test Methods: BS EN 12390-7 - 2019, BS EN 12390-1 - 2021, BS EN 12390-3 - 2019								
Specimen ID	Client ID	Age at Test (Days)	Test Date	Width/Depth/Height (mm)	Density (kg/m³)	Failure Load (kN)	Compressive Strength (N/mm²)	Specified Strength (N/mm²)
026108\A	A1	12	08/06/2026	100/100/100	1380	20.5	2.0	
Mass Determination: As Received.								
026108\B	A2	14	10/06/2026	100/100/100	1390	26.4	2.6	
Mass Determination: As Received.								
026108\C	A3	28	24/06/2026	100/100/100	1390	37.0	3.7	
Mass Determination: As Received, Specimen Assessment: Polymould, AIR CURED.								
026108\D	A4	Spare/56	22/07/2026					

Notes	
The following apply unless otherwise stated in specimen notes: Laboratory curing tank temperature range (°C): 18 to 22. Specimen appearance as received satisfactory. Specimens transported within 16 hours of making are classified as deviating from the standard requirements.	
	BS EN 12390-7 - 2019 Hardened concrete density test carried out in saturated condition. Volume determined by measurement or designated size. Any fins removed by abrasive stone. BS EN 12390-3 - 2019 Specimen failure normal, specimen appearance normal.

Signed:		Paul Haddock - Project Manager
Signed Date:	24/06/2026	For and on behalf of SOCOTEC UK Limited Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Comments
This test report is re-issued as new test results become available after specimens are tested at the ages noted herein. Where the report is re-issued as a result of any other amendments, such amendments will be clearly identified in the report comments below. The Report No. and Issue No. can be found in the Report Details section above. This report Issue No. supersedes all previous versions.

Concrete Test Report

TEST REPORT



Project Details		Report Details	
Client:	VAN ELLE LTD	Report No.:	CONC:NOR26-05569-C0001
Client Address:	SUMMIT CLOSE KIRKBY IN ASHFIELD NOTTINGHAM NG17 8GJ	Report Date:	16/06/2026
		Issue No.:	2
Project:	P261714 - BR - 253567 SMITHIES MOOR ACADEMY, WHITE LEE ROAD, HECKMONDWIKE,	Recipients:	Sam Palmer

Field Details and Results			
Location in Works:	SITE WIDE	Mix:	12/1 PFA-OPC
<i>Fresh Concrete Sampling performed by third party and not covered under this laboratory's accreditation</i>			
Sample ID:	NOR26-05569-C0001	Client Sample ID:	NOR075274

Compressive Strength of test specimens (100 mm Cube)								
Making and initial curing of specimens for strength tests performed by third party and not covered under this laboratory's accreditation								
Date Made:		02/06/2026		Date and Time Received:			08/06/2026 11:50	
Laboratory Test Methods: BS EN 12390-7 - 2019, BS EN 12390-1 - 2021, BS EN 12390-3 - 2019								
Specimen ID	Client ID	Age at Test (Days)	Test Date	Width/Depth/Height (mm)	Density (kg/m³)	Failure Load (kN)	Compressive Strength (N/mm²)	Specified Strength (N/mm²)
026247\A	A1	7	09/06/2026	100/100/100	1510	11.9	1.2	
Mass Determination: As Received, Specimen Assessment: AIR CURED.								
026247\B	A2	14	16/06/2026	100/100/100	1520	19.5	2.0	
Mass Determination: As Received, Specimen Assessment: Polymould, AIR CURED.								
026247\C	A3	28	30/06/2026	—	—	—	—	
026247\D	A4	Spare/56	28/07/2026					

Notes	
The following apply unless otherwise stated in specimen notes: Laboratory curing tank temperature range (°C): 18 to 22. Specimen appearance as received satisfactory. Specimens transported within 16 hours of making are classified as deviating from the standard requirements.	
	BS EN 12390-7 - 2019 Hardened concrete density test carried out in saturated condition. Volume determined by measurement or designated size. Any fins removed by abrasive stone. BS EN 12390-3 - 2019 Specimen failure normal, specimen appearance normal.

Signed:		Paul Haddock - Project Manager
Signed Date:	16/06/2026	For and on behalf of SOCOTEC UK Limited Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Comments
This test report is re-issued as new test results become available after specimens are tested at the ages noted herein. Where the report is re-issued as a result of any other amendments, such amendments will be clearly identified in the report comments below. The Report No. and Issue No. can be found in the Report Details section above. This report Issue No. supersedes all previous versions.

Concrete Test Report

TEST REPORT



Project Details		Report Details	
Client:	VAN ELLE LTD	Report No.:	CONC:NOR26-05210-C0001
Client Address:	SUMMIT CLOSE KIRKBY IN ASHFIELD NOTTINGHAM NG17 8GJ	Report Date:	11/06/2026
		Issue No.:	2
Project:	P261714 - BR - 253567 SMITHIES MOOR ACADEMY, WHITE LEE ROAD, HECKMONDWIKE,	Recipients:	Sam Palmer

Field Details and Results			
Location in Works:	SITE WIDE	Mix:	12-1 MIX PFA - OPC
<i>Fresh Concrete Sampling performed by third party and not covered under this laboratory's accreditation</i>			
Sample ID:	NOR26-05210-C0001	Client Sample ID:	NOR075269

Compressive Strength of test specimens (100 mm Cube)								
Making and initial curing of specimens for strength tests performed by third party and not covered under this laboratory's accreditation								
Date Made:		14/05/2026		Date and Time Received:			27/05/2026 16:00	
Laboratory Test Methods: BS EN 12390-7 - 2019, BS EN 12390-1 - 2021, BS EN 12390-3 - 2019								
Specimen ID	Client ID	Age at Test (Days)	Test Date	Width/Depth/Height (mm)	Density (kg/m³)	Failure Load (kN)	Compressive Strength (N/mm²)	Specified Strength (N/mm²)
025662\A	A1	18	01/06/2026	100/100/100	1350	43.3	4.3	
Mass Determination: As Received, Specimen Assessment: Polymould, AIR CURED.								
025662\B	A2	28	11/06/2026	100/100/100	1380	49.4	4.9	
Mass Determination: As Received, Specimen Assessment: AIR CURED.								
025662\C	A3	Spare/56	09/07/2026					
025662\D	A4	18	01/06/2026	100/100/100	1330	39.6	4.0	
Mass Determination: As Received, Specimen Assessment: Polymould, AIR CURED.								

Notes	
The following apply unless otherwise stated in specimen notes: Laboratory curing tank temperature range (°C): 18 to 22. Specimen appearance as received satisfactory. Specimens transported within 16 hours of making are classified as deviating from the standard requirements.	
	BS EN 12390-7 - 2019 Hardened concrete density test carried out in saturated condition. Volume determined by measurement or designated size. Any fins removed by abrasive stone. BS EN 12390-3 - 2019 Specimen failure normal, specimen appearance normal.

Signed:		Paul Haddock - Project Manager
Signed Date:	11/06/2026	For and on behalf of SOCOTEC UK Limited Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Comments
This test report is re-issued as new test results become available after specimens are tested at the ages noted herein. Where the report is re-issued as a result of any other amendments, such amendments will be clearly identified in the report comments below. The Report No. and Issue No. can be found in the Report Details section above. This report Issue No. supersedes all previous versions.

Project Details		Report Details	
Client:	VAN ELLE LTD	Report No.:	CONC:NOR26-05210-C0002
Client Address:	SUMMIT CLOSE KIRKBY IN ASHFIELD NOTTINGHAM NG17 8GJ	Report Date:	18/06/2026
		Issue No.:	3
Project:	P261714 - BR - 253567 SMITHIES MOOR ACADEMY, WHITE LEE ROAD, HECKMONDWIKE,	Recipients:	Sam Palmer

Field Details and Results			
Location in Works: SITE WIDE		Mix: 12-1 MIX PFA - OPC	
Fresh Concrete Sampling performed by third party and not covered under this laboratory's accreditation			
Sample ID:	NOR26-05210-C0002	Client Sample ID:	NOR075270

Compressive Strength of test specimens (100 mm Cube)								
Making and initial curing of specimens for strength tests performed by third party and not covered under this laboratory's accreditation								
Date Made:			21/05/2026		Date and Time Received:		27/05/2026 16:00	
Laboratory Test Methods: BS EN 12390-7 - 2019, BS EN 12390-1 - 2021, BS EN 12390-3 - 2019								
Specimen ID	Client ID	Age at Test (Days)	Test Date	Width/Depth/Height (mm)	Density (kg/m³)	Failure Load (kN)	Compressive Strength (N/mm²)	Specified Strength (N/mm²)
025663\A	A1	11	01/06/2026	100/100/100	1220	13.8	1.4	
Mass Determination: As Received, Specimen Assessment: Polymould, AIR CURED.								
025663\B	A2	14	04/06/2026	101/100/100	1210	18.6	1.8	
Mass Determination: As Received, Specimen measured according to BS EN 12390-3 Annex B, Specimen Assessment: Polymould, AIR CURED.								
025663\C	A3	28	18/06/2026	100/100/100	1300	20.9	2.1	
Mass Determination: As Received, Specimen Assessment: Polymould, AIR CURED.								
025663\D	A4	Spare/56	16/07/2026					

Notes	
The following apply unless otherwise stated in specimen notes: Laboratory curing tank temperature range (°C): 18 to 22. Specimen appearance as received satisfactory. Specimens transported within 16 hours of making are classified as deviating from the standard requirements.	
	BS EN 12390-7 - 2019 Hardened concrete density test carried out in saturated condition. Volume determined by measurement or designated size. Any fins removed by abrasive stone. BS EN 12390-3 - 2019 Specimen failure normal, specimen appearance normal.

Signed:		Paul Haddock - Project Manager
Signed Date:	18/06/2026	For and on behalf of SOCOTEC UK Limited Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Comments
This test report is re-issued as new test results become available after specimens are tested at the ages noted herein. Where the report is re-issued as a result of any other amendments, such amendments will be clearly identified in the report comments below. The Report No. and Issue No. can be found in the Report Details section above. This report Issue No. supersedes all previous versions.

Concrete Test Report

TEST REPORT



Project Details		Report Details	
Client:	VAN ELLE LTD	Report No.:	CONC:NOR26-05210-C0003
Client Address:	SUMMIT CLOSE KIRKBY IN ASHFIELD NOTTINGHAM NG17 8GJ	Report Date:	18/06/2026
		Issue No.:	3
Project:	P261714 - BR - 253567 SMITHIES MOOR ACADEMY, WHITE LEE ROAD, HECKMONDWIKE,	Recipients:	Sam Palmer

Field Details and Results			
Location in Works: SITE WIDE		Mix: 12-1 MIX PFA - OPC	
Fresh Concrete Sampling performed by third party and not covered under this laboratory's accreditation			
Sample ID:	NOR26-05210-C0003	Client Sample ID:	NOR075271

Compressive Strength of test specimens (100 mm Cube)								
Making and initial curing of specimens for strength tests performed by third party and not covered under this laboratory's accreditation								
Date Made:			21/05/2026		Date and Time Received:		27/05/2026 16:00	
Laboratory Test Methods: BS EN 12390-7 - 2019, BS EN 12390-1 - 2021, BS EN 12390-3 - 2019								
Specimen ID	Client ID	Age at Test (Days)	Test Date	Width/Depth/Height (mm)	Density (kg/m³)	Failure Load (kN)	Compressive Strength (N/mm²)	Specified Strength (N/mm²)
025664\A	A1	11	01/06/2026	100/100/100	1210	13.4	1.3	
Mass Determination: As Received, Specimen Assessment: Polymould, AIR CURED.								
025664\B	A2	14	04/06/2026	100/100/100	1240	14.5	1.4	
Mass Determination: As Received, Specimen Assessment: AIR CURED.								
025664\C	A3	28	18/06/2026	100/100/100	1300	23.6	2.4	
Mass Determination: As Received, Specimen Assessment: Polymould, AIR CURED.								
025664\D	A4	Spare/56	16/07/2026					

Notes	
The following apply unless otherwise stated in specimen notes: Laboratory curing tank temperature range (°C): 18 to 22. Specimen appearance as received satisfactory. Specimens transported within 16 hours of making are classified as deviating from the standard requirements.	
	BS EN 12390-7 - 2019 Hardened concrete density test carried out in saturated condition. Volume determined by measurement or designated size. Any fins removed by abrasive stone. BS EN 12390-3 - 2019 Specimen failure normal, specimen appearance normal.

Signed:		Paul Haddock - Project Manager
Signed Date:	18/06/2026	For and on behalf of SOCOTEC UK Limited Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Comments
This test report is re-issued as new test results become available after specimens are tested at the ages noted herein. Where the report is re-issued as a result of any other amendments, such amendments will be clearly identified in the report comments below. The Report No. and Issue No. can be found in the Report Details section above. This report Issue No. supersedes all previous versions.



- Notes**
1. Do not scale this drawing. All dimensions must be checked/verified on site. If in doubt ask.
 2. This drawing is to be read in conjunction with all relevant architects, engineers and specialist drawings and specifications.
 3. All dimensions in metres unless noted otherwise. All levels in metres unless noted otherwise.
 4. Any discrepancies noted on site are to be reported to the engineer immediately.
 5. This drawing should be printed and read in colour.

Design Notes

1.

Legend

- Primary Grid
- Secondary Grid

5m SCALE 1:250

PO4	10.02.26	Updated tank positions	XX	XX
Rev	Date	Details of Issue	Drawn	R'd
Issues & Revisions				
Consultant				

HEXA

Client

Project Title

CO-OP ACADEMY SMITHIES MOOR

Drawing Title

PROPOSED GROUTING GRID

Drawn By	PS	Reviewed By	ML
Hexa Ref	001124	Scale of A1	1:250

Purpose of Issue
WORK IN PROGRESS

Project - Originator - Zone - Level - Type - Revision
SRP1128-HEX-XX-XX-D-S-0001 P04

Appendix C – Mining Remediation Authority Permit



Mining
Remediation
Authority

Permit to Enter or Disturb Mining Remediation Authority Interests

Permit 31391

Name and Address of Permit Holder:

Department for Education
Bishopgate House
Darlington

DH1 5QE

Site Location:

Co-op Academy Smithies Moor
Leeds Old Road
Heckmondwike

WF16 9BB

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

Treatment of shallow mine workings by drilling and grouting to 40m on 6m grid

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/rig & perimeter monitoring
- 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: Helen Day Granted Date: 30 March 2026

For and on behalf of the Mining Remediation Authority

Nominated Representative: Helen Day, Permitting Manager.

Mining Remediation Authority, Permitting Office, 200 Lichfield Lane, Mansfield, Notts, NG18 4RG

Tel: 01623 637450; E-Mail: licensingandpermissions@miningremediation.gov.uk



Mining
Remediation
Authority

Granted Permit Boundary

Permit Ref: 31391

Permit Boundary:



These maps are reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the controller of Her Majesty's Stationary Office. © Crown Copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Mining Remediation Authority. Licence No: AC0000820577. [216]

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