



Mine Workings Stabilisation Completion
Report
Don Street, Middleton

Reference: 14-554-R5-2
Date: June 2023



MINE WORKINGS STABILISATION COMPLETION REPORT

Don Street
Middleton
M24 2DB

Prepared for:
Kellen Homes



KELLEN
HOMES

Report Ref: 14-554-R5-2
Date Issued: June 2023



Cert No 18890

ISO 9001 (2015)
ISO 14001 (2015)
ISO 45001 (2018)



Don Street, Middleton**Mine Workings Stabilisation Completion Report**June 2022

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EXECUTIVE SUMMARY

Site Address	Don Street, Middleton, M24 2DB
Grid Reference	E 388480, N 406300
Site Area	10.43 Ha.
Stated Objective and Background	The primary purpose of this report is to document the implementation and subsequent validation of the mine stabilisation works completed as part of the residential development construction on Don Street, Middleton, Manchester. The mine stabilisation works have been carried out in accordance with E3P Performance Specification for the Consolidation of Abandoned Mine Workings (report ref: 14-554-R6-Rev 2, February 2023) prepared for Kellen Homes in due consideration of the findings of a number of previous reports including the E3P Phase I & II Geo-environmental Assessment (report ref:14-554-R1, May 2021 and the E3P Remediation and Enabling Works Strategy (report ref:14-554-R2, June 2021).
Coal Mining Investigation Summary	The desk-based study (E3P report ref: 14-554-R1, June 2021) identified the presence of 3 no. Coal seams within the site boundary, dipping at approximately 15 degrees to the southwest, with records confirming workings within these seams on, and immediately adjacent to, the proposed development. No mine entries are recorded across the site or within 30m of the boundary. However, a mine shaft is shown below Don Street (outside the redline boundary) between two coal mines to the south. E3P completed intrusive Ground Investigations (report ref: 14-554-R1, June 2021), which investigated the presence of shallow mine workings beneath the site and the location of recorded shafts on the eastern boundary. The ground investigation included drilling rotary boreholes to 49.0 m bgl to investigate coal seams. The investigation identified the presence of the coal associated with the Cannel and Brent Coal seams. The following drilling assessment was determined for each Parcel: Parcel A The western sector will require drill and grouting by a specialist contractor in order to significantly reduce the risk of instability at the surface in the event of collapse of underlying coal workings within the Cannel and Higher Bent Seams. The eastern sector could not be fully investigated, however, there is potential for shallow unrecorded workings, therefore, it is recommended that proof drilling is undertaken in this area when possible. Parcels B & C No evidence of coal workings has been identified. It is assumed that the coal seams within this area are below unstable deep granular deposits and the bedrock is heavily disturbed by the fault, therefore, it wasn't practicable to mine coal in these areas in the 18th and 19th centuries prior to mechanisation. No further works are required in Parcels B & C of the site unless coal workings are found within the Higher Bent within Parcel A and are traced across into Parcel B&C.



Coal Mining Investigation Summary Cont..	Parcel D & E Drill and grouting is required on the western side of the site to the Cannel Coal and Higher Bent. As rock cover increases to the east, the grid can widen in line with the level of risk identified. No unrecorded shafts have been recorded across the entire subject site. However, there is the possibility of encountering unrecorded shafts during mine stabilisation, remediation, civil engineering, and foundation works. Therefore, a program of mine stabilisation works would be required in some areas of the site.
Coal Authority Correspondence and Permit	Permit 24676 was obtained from The Coal Authority for the drilling and grouting works. The permit and closure form are presented in Appendix IV.
Consolidation/ Stabilisation Works Specification	Due to variable risks posed by coal mining beneath the site, the specific program for the different areas varies as specified below: Cannel Seams (Parcel A and D) – Drill and Grout on a 6 m x 6 m primary grid across the proposed buildings footprints, with treatment extending up to 3 m beyond the plot line, where workings are identified secondary boreholes will then be drilled at 4.5 m infill centres across the area of stabilisation and subsequent tertiary 3m grid based on grout takes (>5 tonne) across the proposed buildings footprints, with treatment extending up to 3 m beyond the plot line. 10 m drill and grout grid beneath proposed adopted highways, estate roads and driveway will be required. High Bent Seam – Proof drilling is to be undertaken on a plot by plot basis to confirm the locations where coal has not been extracted. Where coal or voids are present then drill and grouting on 6 m x 6 m below plots, with treatment extending up to 3 m beyond the plot line, where workings are identified secondary boreholes will then be drilled at 4.5 m infill centres across the area of stabilisation and subsequent tertiary 3m grid based on grout takes (>5 tonne) across the proposed buildings footprints, with treatment extending up to 3 m beyond the plot line. 10 m drill and grout grid beneath proposed adopted highways, estate roads and driveway will be required. The boreholes will serve as injection points where grout will be pumped under pressure into the workings to consolidate the voids in accordance with the specification herein. Where necessary, tertiary boreholes will be drilled on a 3 m grid where grout take is high and completion pressure cannot be achieved within a grout hole. Works will be considered to be completed when the required borehole grid and pressure grouting has achieved the performance specification. Validation test boreholes will be drilled to confirm consolidation at locations and centres to be dictated by the supervising engineer. The stabilisation works will be undertaken by injecting a PFA/cement grout into the workings via the boreholes. Works are to be completed in accordance with CA permit and under the supervision of geotechnical engineer.



Consolidation/ Stabilisation Works Undertaken	Within the areas of likely shallow workings in the Cannel seams (Area A and D) boreholes were drilled on a primary 6 m × 6 m grid across the building footprint extending 3m beyond plots, with secondary boreholes on a 4.5 m grid and full treatment extending across the required site area. Boreholes along the proposed line of adopted highways were required at 10 m spacing. No voids or workings were encountered during the drilling works. Due to no evidence of workings, lost flush or grout takes within the northern area of Parcel A (E43 to Q57 on M&J Drawing 138.21-Figure 2-A) and Parcel D (AU 99 to BE113 on M&J Drawing 138.21-Figure 2-A) only the primary boreholes on a 6 m x 6 m grid were drilled below and up to 3m beyond the plot lines. No voids or workings were encountered during the drilling works. In the south of the site, the initial boreholes were drilled 4m into the bedrock. Where drilling of the upper 4 m recorded no coal seams, a second series of boreholes were advanced 10m into the bedrock to ensuring that any coal seams were identified and to prove sufficient bedrock cover. Within areas potentially affected by the High Brent Seam (Area A, C, D and E), proof drilling was undertaken to 30 m bgl or 10.00 m into bedrock, no coal, voids or high grout takes were recorded within these areas. Within Area's C, D and E proof drilling was undertaken across the area beneath selected plots to give adequate coverage across the potentially affected areas, given no coal, voids or high grout takes were recorded within the drilling locations, further proof drilling beneath all plots was not deemed necessary based on the information, frequency and locations of the information obtained. In total, circa 528 boreholes were drilled (507 within plots and 21 within roads).
Ground Conditions Encountered	A total of 528 treatment boreholes were drilled across the site to depths ranging between 30.0 m and 38.0 m bgl, with 16,256 m of drilling completed in total. The rotary boreholes typically encountered solid drilling throughout the full depth of the borehole (mudstone, sandstone and coal). Coal was found to be intact within the majority of boreholes, however, soft drilling was encountered with poor returns of mudstone within one location on site (borehole S19). Within S19 no increased grout take or loss of flush was recorded.
Grouting Works Undertaken	Treatment by pressure grouting was undertaken in each borehole location. Boreholes were injected with grout comprising a 10:1 ratio mixture of PFA and OPC, respectively with 40–45% water. A total of 82.10 tonnes of grout were injected into the ground throughout the works.
Completion	All potential unconsolidated workings within shallow coal seams have been subject to drill and grout in accordance with the agreed strategy and performance specification, with the flow, bleed and grout cube validation tests demonstrating the grout injected to be compliant. The site observations, drilling and grouting records, therefore, indicate that the drilling and grouting works have been carried out to a satisfactory standard in accordance with the approved specification and Coal Authority Permit.



TABLE OF CONTENTS

EXECUTIVE SUMMARY	1
1. INTRODUCTION	5
1.1. Introduction.....	5
1.2. Background & Previous Investigations	5
1.3. Site Location & Geological Setting	6
1.4. Proposed Development.....	6
1.5. Summary of Parties Involved.....	9
1.6. Limitations	9
1.7. Confidentiality.....	9
2. DRILLING AND GROUTING WORKS	10
2.1. Drilling and Grouting Specification.....	10
2.2. Drilling and Grouting Works	10
2.3. Programme	10
2.4. Drilling Procedure	11
2.5. Ground Conditions Encountered	11
2.5.1. Coal.....	12
2.5.2. Workings.....	13
2.5.3. Groundwater.....	13
2.6. Grouting Procedure – Shallow Workings.....	13
3. VALIDATION	1
3.1. Flowability Tests.....	1
3.2. Bleed Tests	1
3.3. Compressive Strength Tests	1
4. CONCLUSIONS	1
4.1. Drill and Grout Works	1
4.2. Foundations.....	1
4.3. Ground Gas	1
APPENDIX I LIMITATIONS.....	
APPENDIX II GLOSSARY	
APPENDIX III DRAWINGS	
APPENDIX IV COAL AUTHORITY PERMIT AND CORRESPONDENCE	
APPENDIX V DRILLING AND GROUTING LOGS	
APPENDIX VI GROUT CUBE RESULTS	



1. INTRODUCTION

1.1. INTRODUCTION

This report details the completion of the mine stabilisation and treatment work operations that were undertaken by the chosen contractor, M and J Drilling, under the part-time supervision of E3P to facilitate the preparation of the low-rise residential development on a parcel of land at Don Street, Middleton, herein referred to as the site.

1.2. BACKGROUND & PREVIOUS INVESTIGATIONS

The following ground investigations have previously been carried out at the site:

- ✿ E3P Phase I & II Geoenvironmental Assessment (report ref: 14-554-R1, May 2021)
- ✿ Coopers – Site Investigation Report (report ref: 5639si, 28th May 2013)
- ✿ REFA Consulting Engineers – Ground Investigation Report (report ref: 05122, September 2006)

The report identified the presence of multiple viable coal seams outcropping beneath the site and within the immediate proximity (dipping at approximately 15 degrees to the southwest). Shallow workings are recorded across some areas of the site. There is a high probability of unrecorded shallow workings across all areas of the site.

The identified seams include (in order of outcrop from east to west):

- ✿ LOWER BENT SEAM
- ✿ HIGHER BENT SEAM
- ✿ CANNEL SEAM

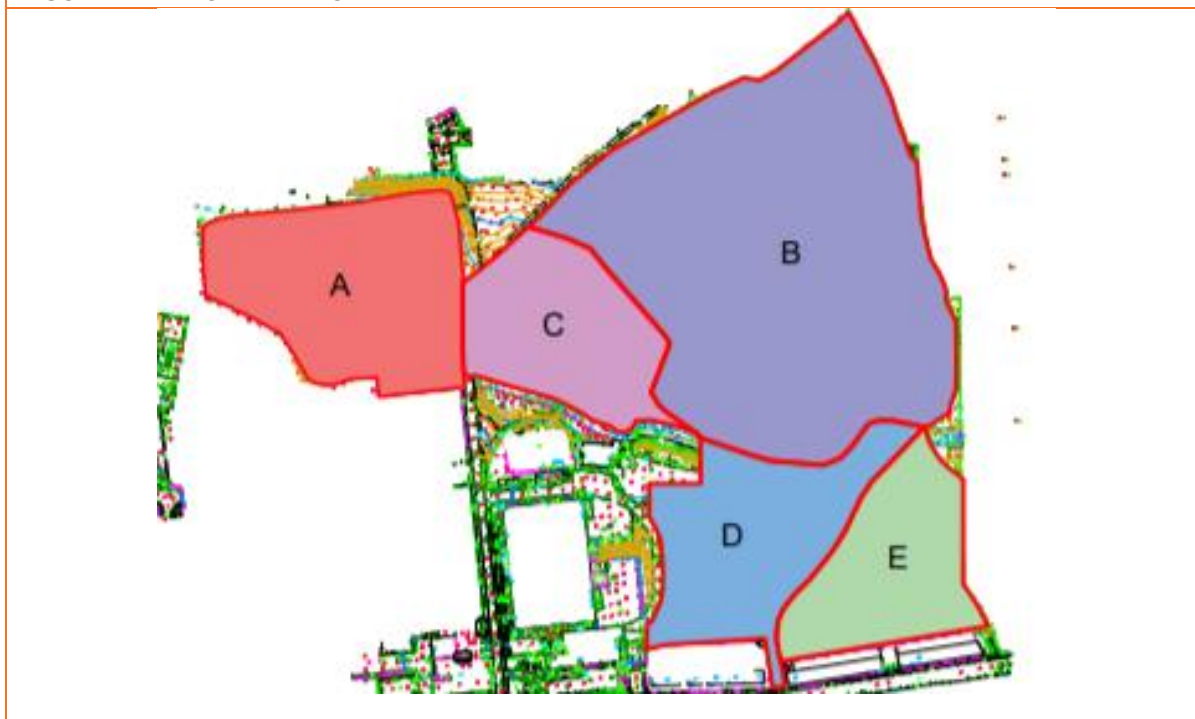
No mine entries are noted on the site or within 100m of the site boundary.

The ground investigation included the drilling of a series of rotary boreholes to 49.0 m bgl across the site to assess and identify coal seams and potential unrecorded mine workings. The investigation identified the presence of the recorded coal seams and features that may represent any unrecorded workings. The report concluded the following:

- ✿ Workings are recorded on the Lower Bent and Half Yard Seams underlying the site. Two workings are present on each seam.
- ✿ It is highly probable that the Higher Bent and Cannel Seams are worked beneath the subject site, at shallow depths.
- ✿ A programme of mine stabilisation works is therefore required where 10x seam cover of rock for the combined seam thickness is not achieved.

A Performance Specification for Consolidation of Abandoned Mine Workings was subsequently prepared for Kellen Homes by E3P in February 2023 (Report Ref: 14-554-R6-Rev 2) and should be read in conjunction with this report.



FIGURE 1.2 SITE AREAS PLAN

The site location and geological setting are summarised in Table 1 below.

TABLE 1.1 GEOLOGICAL SETTING

Site Address	Don Street, Middleton, M24 2DB
National Grid Reference	E 388480, N 406300
Area	10.43 Hectares
Made Ground	Made ground across Parcel A, located in the north west of the site, generally consists of red sandy gravel with frequent bricks or brown slightly clayey gravelly sand with brick, mudstone, concrete, glass and ash. In Parcel B, in the north east of the site, the made ground consists of a reworked sand fill with no notable anthropogenic materials. Historic SI identified an area close to the northern boundary of Parcel B which is thought to be a historic pond on the site, in this area the made ground consists of ash and clinker overlain by reworked clay, reworked sand and topsoil. In Parcel C, the made ground consists of clay bound, brick fragmented backfill. In Parcel D and E, the shallow made ground consists of asphalt, concrete or reworked topsoil of dark slightly clayey medium sand with rootlets. The deeper made ground consists of brown to black gravelly clay or brown to dark grey gravelly coarse sand. The gravel is mudstone, concrete and brick. Some hydrocarbon odours were noted within the made ground in Parcels D and E.



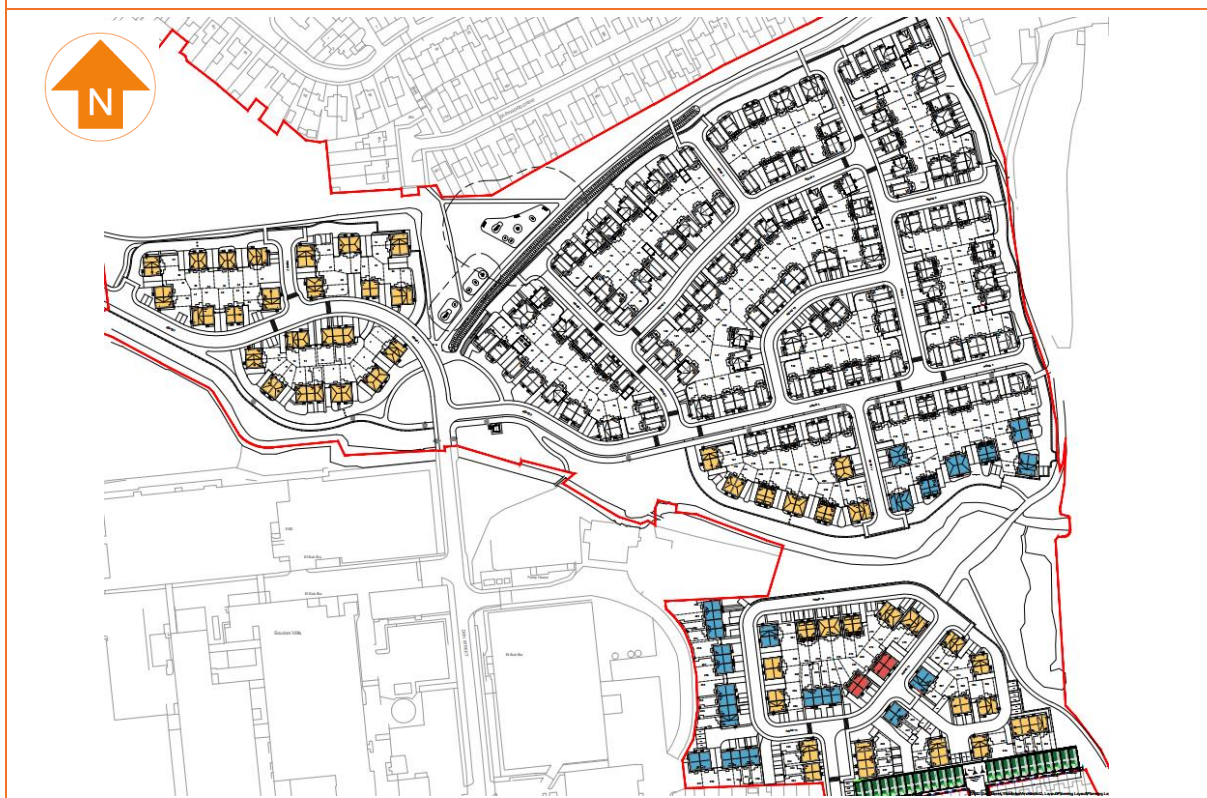
DRIFT	The drift deposits across Parcel a consist of granular beds with sporadic beds of clay within the upper 3.00 m. Drift deposits in Parcel B and C consist of loose to medium dense sand or sand and gravel with occasional bands of silty clay within some areas. Historic site investigation indicates that peat deposits were present in the west of Parcel C at an approximate thickness of 0.30m. Drift deposits in Parcels D and E consist of sandy clay and loose to medium dense clayey medium sand.
Solid	Solid geology across Parcel A consists of grey mudstone interbedded with grey sandstone and coal bands. Across Parcels B and C, the solid geology consist of light grey mudstone interbedded with grey sandstone and occasional traces of coal. In Parcels D and E, the solid geology consists of siltstone, however, this was only encountered in one location.

1.4. PROPOSED DEVELOPMENT.

Kellen Homes intends to construct a low-rise residential development with associated gardens, estate roads and infrastructure. A proposed development plan is presented in Appendix III as Drawing 14-554-002.

A snapshot of the development plan is given as Figure 1.3.

FIGURE 1.3 PROPOSED DEVELOPMENT PLAN



1.5. SUMMARY OF PARTIES INVOLVED

TABLE 1.2 SUMMARY OF PARTIES INVOLVED

NAME OF PARTY	FUNCTION/INTEREST
Developer	Kellen Homes
Geoenvironmental Consultant	E3P
Main Contractor	Kellen Homes
Remediation/Enabling Works Contractor	Urban Regen
Drilling and Grouting Contractor	M&J Drilling
Human Health Regulator/Local Planning Authority	Rochdale Borough Council
Controlled Waters Regulator	Environment Agency
Highways Adoption Authority	Rochdale Borough Council

1.6. LIMITATIONS

The limitations of this report are presented in Appendix I.

1.7. CONFIDENTIALITY

E3P has prepared this report solely for the use of the Client and those parties with whom a warranty agreement has been executed, or with whom an assignment has been agreed. Should any third party wish to use or rely upon the contents of the report, written approval must be sought from E3P; a charge may be levied against such approval.



2. DRILLING AND GROUTING WORKS

2.1. DRILLING AND GROUTING SPECIFICATION

The Specification for The Consolidation of Abandoned Mine Workings (Report Ref 14-554-R6-Rev 2, dated February 2023) was prepared by E3P.

E3P provided part-time supervision on-site to ensure that the works were carried out in accordance with the specification.

2.2. DRILLING AND GROUTING WORKS

Within the areas of likely shallow workings in the Cannel seams (Area A and D) boreholes were drilled on a primary 6 m × 6 m grid across the building footprint extending 3m beyond plots, with secondary boreholes on a 4.5 m grid and full treatment extending across the required site area. Boreholes along the proposed line of adopted highways were required at 10 m spacing. No voids or workings were encountered during the drilling works.

Due to no evidence of workings, lost flush or high grout takes within the northern area of Parcel A (E43 to Q57 on M&J Drawing 138.21-Figure 2-A) and Parcel D (AU 99 to BE113 on M&J Drawing 138.21-Figure 2-A) only the primary boreholes on a 6 m x 6 m grid were drilled below and up to 3m beyond the plot lines. No voids or workings were encountered during the drilling works.

In the south of the site, the initial boreholes were drilled 4m into the bedrock. Where drilling of the upper 4 m recorded no coal seams, a second series of boreholes were advanced 10m into the bedrock to ensure that any coal seams were identified and to prove sufficient bedrock cover.

Within areas potentially affected by the High Brent Seam (Area A, C, D and E), proof drilling was undertaken to 30 m bgl or 10.00 m into bedrock, no coal, voids or high grout takes were recorded within these areas. Within Area's C, D and E, proof drilling was undertaken across the area beneath selected plots to give adequate coverage across the potentially affected areas. Given no coal, voids or high grout takes were recorded within the proof drilling locations, further proof drilling beneath all plots was not deemed necessary based on the information, frequency and locations of the information obtained.

In total, circa 528 boreholes were drilled (507 within plots and 21 within roads).

The stabilisation works have been undertaken by injecting a 10:1 Pulverised Fuel Ash (PFA) and Ordinary Portland Cement (OPC) grout mix into the workings via the boreholes.

2.3. PROGRAMME

The programme of treatment work was carried out between the months of January 2023 and February 2023.

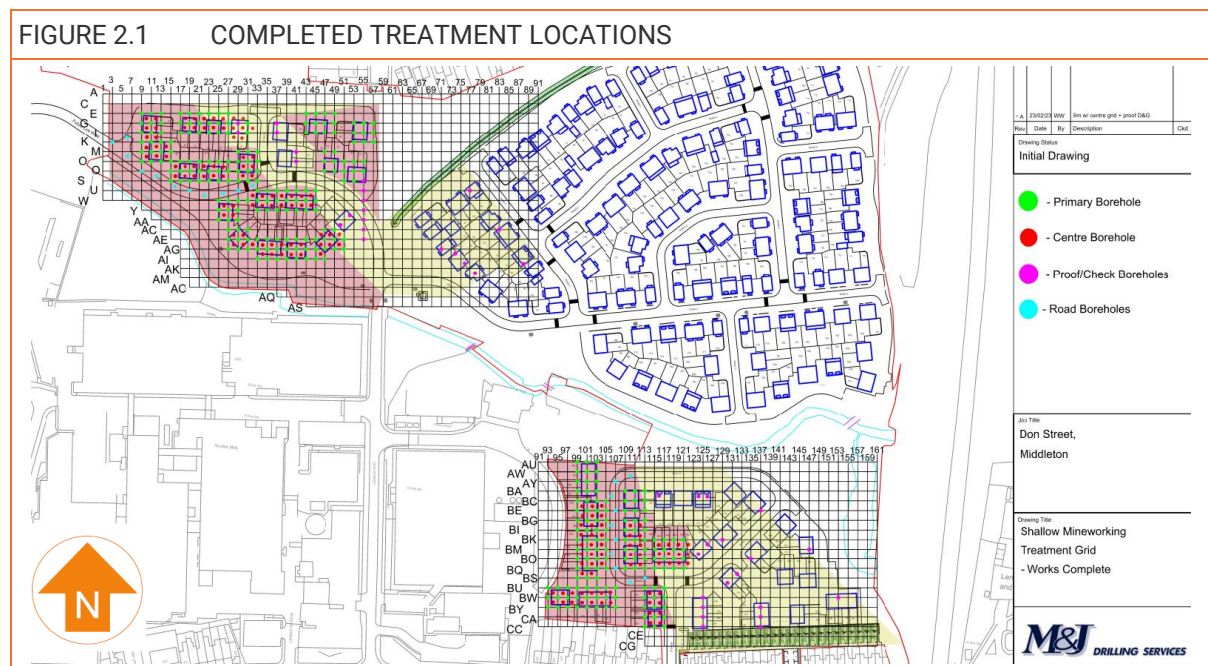


2.4. DRILLING PROCEDURE

Boreholes were drilled using open hole rotary percussive drilling rigs with water flush. Any boreholes within 50 m of properties were drilled with water in accordance with the specification and Coal Authority licence. Each hole was extended to the base of the Higher Bent or Cannel or 10.00 m into bedrock to confirm competent rock. Where intact coal seams were encountered, a further minimum 0.50 m thickness of solid strata from the base of the seam was then penetrated in order to prove competent rock.

Throughout the treatment area, boreholes/grout injection points were drilled per the layout shown in Drawing 14-554-014 within Appendix III.

M&J Drawing 138.21-Figure 2-A (Appendix III) shows the location of completed treatment boreholes across the site; a snapshot of the completed treatment locations is given in Figure 2.1.



The ground conditions encountered in each borehole are tabulated in a summary table and detailed within daily drill log sheets, included in Appendix V of this report.

2.5. GROUND CONDITIONS ENCOUNTERED

2.5.1. PREVIOUSLY IDENTIFIED COAL WORKINGS

Within Parcel A, soft drilling was encountered at 7.80 m – 10.00 m bgl within RB207, with the driller noting possible workings at this location and depth. RB207 is located in the southwestern area of Parcel A.

No evidence of coal workings was recorded within the remaining boreholes at Parcel A and within Parcels B, C, D and E.



2.5.2. DRILL AND GROUT FINDINGS SUMMARY

A total of 528 treatment boreholes were drilled across the site to depths ranging between 30.0 m and 38.0 m bgl, with 16,256 m of drilling completed in total.

TABLE 2.1 SUMMARY OF BOREHOLES DRILLED

BOREHOLE LOCATION	NUMBER OF BOREHOLES
Plots	507
Roads	21

The boreholes typically encountered solid drilling throughout the full depth of the borehole, with intact coal.

Soft drilling was encountered within one location (borehole S19) within Parcel A encountered at a depth between ground level and 7.00 m bgl. Slight Mudstone returns were noted from 7.00m- 30.00m bgl. No lost flush or increased grout takes were recorded.

Where coal was not encountered, additional boreholes were completed within Parcel D and E to prove greater than 10m thickness of competent rock due to thickness of fill and drift within these areas exceeding 25m bgl.

2.5.3. COAL

Intact coal was encountered within 151 boreholes at depths between 4.00 m bgl and 28.30 m bgl with a thickness ranging from 0.30 m to 0.60 m.

The coal was encountered across two seams identified from mapping and correlated using cross sections as the Higher Bent and Cannel sub crops.

Borehole records suggest the seams dip southward at c. 8 degrees from horizontal. However, it is noted that geological mapping indicates a dip of 11 degrees locally.

HIGHER BENT

Coal inferred to represent the Higher Bent coal seam was encountered in the boreholes in Parcel D and E in the south of the site. The thickness of the seam was recorded to be 0.30 m to 0.60 m thick encountered at a depth of 24.00 m - 28.30 m bgl.

CANNEL

Coal inferred to represent the Cannel coal seam was encountered in boreholes in the northwest of Parcel A and the western boundary of Parcel D and E, with a typical thickness, generally found to be 0.20 m to 0.50 m.



2.5.4. WORKINGS

No voids were recorded during the works.

Soft drilling was encountered within one location (borehole S19) within Parcel A, encountered at a depth between ground level and 7.00 m bgl. S19 was in the vicinity of RB207, which previously identified soft drilling between 7.00 m– 10.00 m bgl during the initial E3P coal mining investigation. However, no evidence of workings was encountered, with no lost flush or increased grout take recorded. Slight Mudstone returns were noted from 7.00m- 30.00m bgl.

Across the remainder of the site, no evidence of workings were encountered, with no lost flush or increased grout take recorded.

2.5.5. GROUNDWATER

Groundwater was not noted within any of the holes.

2.6. GROUTING PROCEDURE – SHALLOW WORKINGS

All drilled boreholes were injected with grout comprising a 10:1 ratio mixture of pulverised fuel ash (PFA) and ordinary Portland cement (OPC), respectively, with 40–45% water.

Grout was injected under a hydrostatic head into all boreholes using a tremie pipe, placed to the base of each hole and a diaphragm pump operating at around 100 psi (6.9 bar) until grout appeared at the surface to ensure they were fully sealed. Grout takes for all treatment boreholes are presented within the logs in Appendix V.

Grout takes in the boreholes was generally low, varying from 0.08 tonne to 0.2 tonnes, with a total of 82.10 tonnes of grout injected into the ground throughout the works. Given that the grout takes did not exceed 5 tonnes in any of the borehole locations, tertiary boreholes on a closely spaced grid were not required.



3. VALIDATION

3.1. FLOWABILITY TESTS

With water, cement and PFA ratios generally in the range of 0.4 to 0.45, (including the moisture in the aggregates), the mixes proposed should produce “pumpable grout” with flowability readings of between 300 to 600 mm.

Flow test results are summarised in Table 3.1 and within the logs presented in Appendix V.

TABLE 3.1 FLOWABILITY TEST RESULTS

DATE	TEST NO.	FLOWABILITY READING (MM)
13/01/2023	1	540
18/01/2023	1	510
21/01/2023	1	520
24/01/2023	2	510
31/01/2023	1	540
02/02/2023	1	540
07/02/2023	1	530
09/02/2023	1	530
16/02/2023	1	510
20/02/2023	1	500

3.2. BLEED TESTS

Bleed tests aim to assess the separation of solid particles from the water in the grout mix, resulting in a layer of water at the surface of the grout within the test cylinder. The height of the water is measured after a given time and is expressed as the percentage of the initial sample height.

High-bleed grouts are to be avoided and bleed capacity is generally limited to 5%.

Bleed test results were recorded to be between 2.50 and 5% on each occasion, as shown on the grouting records in Appendix V.

3.3. COMPRESSIVE STRENGTH TESTS

As per the specification, two sets of test cubes of grout were prepared per week. The cubes were sent to a UKAS-accredited laboratory and crushed after 16 to 31 days.

The specification requires crushing strengths of not less than 1 MN/m² at 28 days. The test results available to date found the compressive strength at 28 days to be between 0.8 and 3.3 N/mm² (equivalent to MN/m²) as summarised in Table 3.2, with the full results presented in Appendix V.

One of ten samples recorded a compressive strength below 1 MN/m², this is not considered to be representative of the grout strength used across the site, with an average compressive strength of 1.67 MN/m² recorded across the ten samples.



TABLE 3.2 SUMMARY OF COMPRESSIVE STRENGTH TESTS

DATE MADE	CUBE NO.	AGE AT TEST (DAYS)	COMPRESSIVE STRENGTH (N/mm ²)
17/01/2023	1	28	1.9
	2	28	1.8
23/01/2023	3	28	1.7
	4	28	1.4
30/01/2023	5	28	2.1
	6	28	1.7
08/02/2023	9	28	0.8
	10	28	1.0
15/02/2023	11	28	3.3
	12	28	1.0



4. CONCLUSIONS

4.1. DRILL AND GROUT WORKS

A total of 528 treatment boreholes were drilled across the site to depths ranging between 30.0 m and 38.0 m bgl, with 16,256 m of drilling completed in total.

The rotary boreholes typically encountered solid drilling throughout the full depth of the borehole (mudstone, sandstone and coal). Where encountered, coal was found to be intact within all boreholes.

Soft drilling was encountered with poor returns of mudstone within one location on site (borehole S19). Within S19 no increased grout takes or loss of flush was recorded.

No evidence of workings was encountered during the drill and grout works across the site.

Treatment by pressure grouting was undertaken in each borehole location (maximum 0.20 tonnes).

The site observations, drilling and grouting records, and test boreholes, indicate that the drilling and grouting works have been carried out to a satisfactory standard in accordance with the approved specification and Coal Authority Permit.

4.2. FOUNDATIONS

No evidence of workings has been recorded during the drill and grout treatment works, with competent rock cover proven in all locations.

4.3. GROUND GAS

Coal mine workings are a source of ground gas. However, the original programme of gas monitoring carried out for the site concluded a classification of CS1/Green – no gas protection measures required in Parcel A. Within Parcel B – C and D – E, the original programme of gas monitoring carried out for the site concluded a classification of CS1/Green with isolated areas of CS2/Amber 1.

The drill and grout work undertaken has the potential to displace and alter the ground gas regime, as such, it is acknowledged that site conditions may now have been altered and subsequent ground gas monitoring to confirm the gas risk is recommended.

Where dwellings are to be constructed over stabilised mine workings, it is recommended that ground gas mitigation measures to be compliant (as a minimum) with CS2 / Amber 1 are required. However, no mine workings were identified, as such, the final design will be dependent on the subsequent post remediation ground gas monitoring and risk-based assessment.

Within Parcel D and E, preliminary ground gas monitoring suggests that it may be possible to zone this area of the site. Due to the presence of cohesive deposits, the potential for lateral migration of any gases will be limited which means a phased approach could be considered.

Following the update of UK radon mapping, appraisal of plots requiring radon protection measures will be issued under a separate cover.

END OF REPORT



APPENDIX I LIMITATIONS

1. This report and its findings should be considered in relation to the terms of reference and objectives agreed between E3P and the client as indicated in this report.
2. For the work, reliance has been placed on publicly available data obtained from the sources identified. The information is not necessarily exhaustive and further information relevant to the site may be available from other sources. When using the information, it has been assumed it is correct. No attempt has been made to verify the information.
3. This report has been produced in accordance with current UK policy and legislative requirements for land and groundwater contamination which are enforced by the local authority and the Environment Agency. Liabilities associated with land contamination are complex and requires advice from legal professionals.
4. During the site walkover, reasonable effort has been made to obtain an overview of the site conditions. However, during the site walkover, no attempt has been made to enter areas of the site that are unsafe or present a risk to health and safety, are locked, barricaded, overgrown, or the location of the area has not been made known or accessible.
5. Access considerations, the presence of services and the activities being carried out on the site limited the locations where sampling locations could be installed and the techniques that could be used.
6. Site sensitivity assessments have been made based on available information at the time of writing and are ultimately for the decision of the regulatory authorities.
7. Where mention has been made to the identification of Japanese Knotweed and other invasive plant species and asbestos or asbestos-containing materials, this is for indicative purposes only and do not constitute or replace full and proper surveys.
8. The executive summary, conclusions and recommendations sections of the report provide an overview and guidance only and should not be specifically relied upon without considering the context of the report in full.
9. E3P cannot be held responsible for any use of the report or its contents for any purpose other than that for which it was prepared. The copyright in this report and other plans and documents prepared by E3P is owned by them and no such plans or documents may be reproduced, published or adapted without written consent. Complete copies of this may, however, be made and distributed by the client as is expected in dealing with matters related to its commission. Should the client pass copies of the report to other parties for information, the whole report should be copied, but no professional liability or warranties shall be extended to other parties by E3P in this connection without their explicit written agreement there to by E3P.
10. New information, revised practices or changes in legislation may necessitate the re-interpretation of the report, in whole or in part.



APPENDIX II

GLOSSARY

TERMS

ACM	Asbestos-containing material	MMP	Materials management plan
ADS	Acoustic design statement	ND	Not detected
AST	Above-ground storage tank	NDP	Nuclear density probe
BGS	British Geological Survey	NMP	Noise management plan
BSI	British Standards Institute	NPSE	Noise policy statement for England
BTEX	Benzene, toluene, ethylbenzene, xylenes	NR	Not recorded
CA	Coal Authority	PAH	Polycyclic aromatic hydrocarbon
CBR	California bearing ratio	PCB	Polychlorinated biphenyl
CIEH	Chartered Institute of Environmental Health	PI	Plasticity index
CIRIA	Construction Industry Research Association	PID	Photo ionisation detector
CLEA	Contaminated land exposure assessment	POS	Public open space
CML	Council of Mortgage Lenders	PPE	Personnel protective equipment
CoC	Contaminants of concern	ProPG	Professional practice guidance
CSM	Conceptual site model	QA	Quality assurance
DNAPL	Dense non-aqueous phase liquid (chlorinated solvents, PCB)	SGV	Soil guideline value
DWS	Drinking water standard	SPH	Separate-phase hydrocarbon
EA	Environment Agency	SPT	Standard penetration test
EQS	Environmental quality standard	SVOC	Semi-volatile organic compound
FFL	Finished floor level	TPH	Total and speciated petroleum hydrocarbon
GAC	General assessment criteria	TPH CWG	Total Petroleum Hydrocarbon (Criteria Working Group)
GL	Ground level	UKWIR	United Kingdom Water Infrastructure Risk
GSV	Gas screening value	UST	Underground storage tank
HCV	Health criteria value	VCC	Vibro-concrete column
ICSM	Initial conceptual site model	VOC	Volatile organic compound
LEL	Lower explosive limit	VRSC	Vibro-replacement stone columns
LMRL	Lower method reporting limit	VSC	Vibro-stone columns
LNAPL	Light non-aqueous phase liquid (petrol, diesel, kerosene)	WHO	World Health Organisation
MCV	Moisture condition value	WRAP	Waste and Resources Action Programme



Don Street, Middleton

Mine Workings Stabilisation Completion Report

March 2023

MIBK	Methyl isobutyl ketone	WTE	Water table elevation
m	Metres	ppm	Parts per million
km	Kilometres	mg/m³	Milligram per metre cubed
% v/v	Percent volume in air	m bgl	Metres below ground level
mb	Millibars (atmospheric pressure)	m bcl	Metre below cover level
l/hr	Litres per hour	mAOD	Metres above ordnance datum (sea level)
µg/l	Micrograms per litre (parts per billion)	kN/m²	Kilonewtons per metre squared
ppb	Parts per billion	µm	Micrometre
mg/kg	Milligrams per kilogram (parts per million)		



APPENDIX III

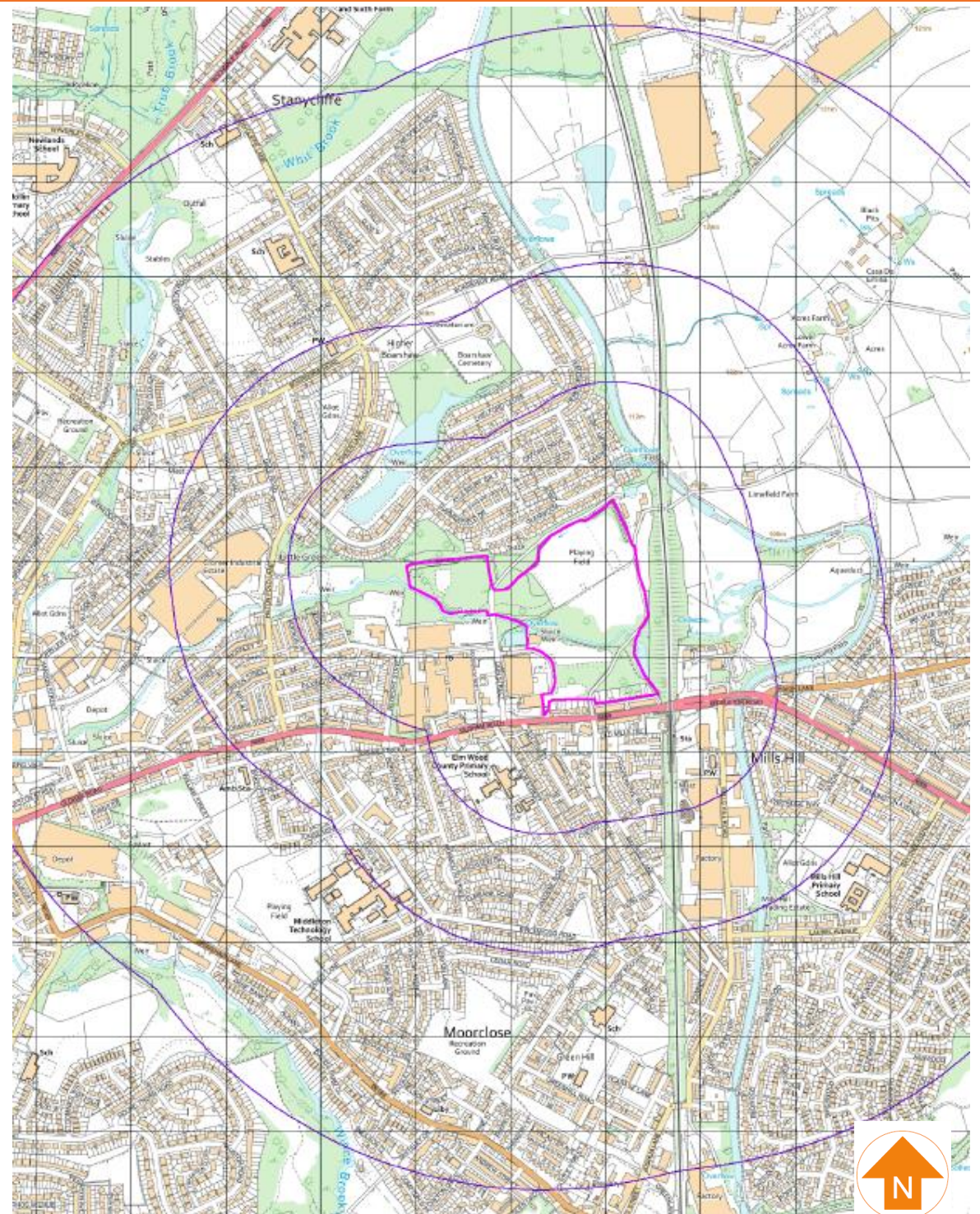
DRAWINGS

Don Street, Middleton

Mine Workings Stabilisation Completion Report

March 2023

DRAWING 14-554-001 – SITE LOCATION PLAN





- Location Symbols
- Coal
 - No Coal
- Grout Take
- A <0.10
 - B 0.11 - 0.15
 - C 0.16 - 0.20

Notes:				
P1	REVA	23.03.2023	EB	MD
Phase	Issue	Date	Drawn	Checked

Client:	Kellen Homes
Job Title:	Donn Street, Middleton

Job No:	14-554
Drawing No:	033

Date:	23.03.2023
Scale:	NTS@ A3



Environmental Engineering
Partnership Ltd
Taylor Road, Trafford Park
Urmston, Manchester, M41 7JQ
Tel: 0161 707 9612
E-mail: info@e3p.co.uk
Website: www.e3p.co.uk

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Rev.	Date	By	Description	Ckd	Aprd
A	23/02/23	WW	6m w/ centre grid + proof D&G		

Drawing Status
Initial Drawing

- Primary Borehole
- Centre Borehole
- Proof/Check Boreholes
- Road Boreholes

Job Title
Don Street,
Middleton

Drawing Title
Shallow Mineworking
Treatment Grid
- Works Complete



Unit 44, Coneygree Industrial Estate
Tipton, West Midlands DY4 8XP
T: 01902 885241
E: enquiry@mandjdrilling.com
www.mandjdrilling.com

Dr.	Date	Checked	Approved
W.Woods	23/02/23		
Job No.	Drawing No.	Rev.	
138.21	Figure 2	A	

APPENDIX IV

COAL AUTHORITY PERMIT

AND CORRESPONDENCE



Permit Ref.	24676	Project / Site Location	Land off, Don Street, Middleton, Greater Manchester, M24 2TH
-------------	--------------	-------------------------	--

Please supply all relevant documents, including this completed form within 3 months of the permitted works being completed.

Where relevant the report should include; borehole logs and details of mine or mine entry treatment works carried out (incl. engineering drawings, grout takes etc.) and a scaled site layout plan (correlated to O.S N' Grid) showing all relevant mine entry positions, coal seams, voids and broken ground proved by the works.

Summary of works

Start date

Finish date

Have any variations occurred? ☐ No ☐ Yes **If so was the Authority notified?** ☐ No ☐ Yes

Please describe;

Did if any of the following incidents occur?

- ☐ Spontaneous combustion ☐ Water emission ☐ Gas emission (elevated or above action levels)
☐ Geotechnical instability ☐ Legal issues incl. damage or potential claims ☐ **None**

If yes, please detail each item;

Were any of the following encountered? Please give a brief summary of the works undertaken.

- ☐ Intact coal only ☐ Broken ground ☐ Backfilled ground ☐ Voids

Description;

Will further works be necessary that require a Permit? ☐ No ☐ Yes

If yes, please describe, including any recommendations;

Name:	Email:
Company:	Tel:



The Coal
Authority

Permit to Enter or Disturb Coal Authority Interests

Permit 24676

Name and Address of Permit Holder:

Kellen Homes
103 Dalton Avenue
Birchwood Park
Warrington
WA3 6YE

Site Location:

Land off
Don Street
Middleton
Greater Manchester
M24 2TH

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

The treatment of mine workings by drilling and grouting to 28m or as required on an initial six metre grid in accordance with CIRIA C758D to create a safe and stable development platform across the proposed development area all 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 drilling only*
- *Prior written agreement from Network Rail's relevant Asset Management team to all works within 50m of their property boundary.*
- *Gas Monitoring for CO, CH₄, CO₂, O₂, H₂S at the borehole and rig*
- *Operators undertaking the work must be in possession of this certificate and the Permit boundary plan at the time of works*
- *Appropriate borehole reinstatement and sealing without delay and to withstand site level changes*

Signed: Leigh Sharpe

Granted Date: 01/04/2022

For and on behalf of The Coal Authority

Nominated Representative: Leigh Sharpe, Permitting Manager;
The Coal Authority, Permitting Office, 200 Lichfield Lane, Mansfield, Notts, NG18 4RG
Tel: 01623 637450; E-Mail: permissions@coal.gov.uk



The Coal
Authority

Granted Permit Boundary

Permit Ref: 24376

Permit Boundary:



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APPENDIX V

DRILLING AND GROUTING LOGS

92



DRILLING SERVICES LTD.

Tel: 01902 885241

QC 4.11

DAILY SITE RECORD

SITE / JOB No.	Don STREET	DAY / DATE	Monday 20/2/23	DRILLER	C. BILLYHAM
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OT
I 55	GL 1400	3000	14m	fill + Drift Mudstone + Sandstone				
I 57	GL 1450	3000	16m	fill + Drift Mudstone + Sandstone				
G 55	GL 1450	3000	16m	fill + Drift Mudstone + Sandstone				
G 57	GL 1420	3000	16m	fill + Drift Mudstone + Sandstone				
G 53	GL 1300	3000	14m	fill + Drift Mudstone + Sandstone				
I 53	GL 1320	3000	14m	fill + Drift Mudstone + Sandstone				
K 53	GL 1300	3000	14m	fill + Drift Mudstone + Sandstone				
O 53	GL 1300	3000	14m	fill + Drift Mudstone + Sandstone				
O 53	GL 1280	3000	14m	fill + Drift Mudstone + Sandstone				
S 53	GL 1250	3000	14m	fill + Drift Mudstone + Sandstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO: 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	

DELIVERY	TICKET No.

M&J DRILLING SERVICES LTD.
Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB NO.	DON STREET	DAY / DATE	MONDAY 20/2/23	DRILLER	C. BROWN
-------------------	------------	---------------	-------------------	---------	----------

JOB NO.		DEPTH		CASING	FORMATION	GROUTING	
BH		FROM	TO			PFA	CEMENT
S	CU	1260	14m	Fill + Drift			
51	1260	3000		MUDSTONE + SANDSTONE			
Q	CU	1250	14m	Fill + Drift			
51	1250	3000		MUDSTONE + SANDSTONE			

94



DRILLING SERVICES LTD.

Tel: 01902 885241

DAILY SITE RECORD

QC 4.177

SITE / JOB No.	Don Street	DAY / DATE	20-2-23	DRILLER	Leigh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OT
AE 51	GL 12	12 30	12	Fill & cluff Sandstone				
E 43	GL 12	12 30	12	Fill & cluff Sandstone				
G 43	GL 12	12 30	12	Fill & cluff Sandstone				
E 45	GL 12	12 30	12	Fill & cluff Sandstone				
G 45	GL 12	12 30	12	Fill & cluff Sandstone				
I 43	GL 12	12 30	12	Fill & cluff Sandstone				
I 45	GL 12	12 30	12	Fill & cluff Sandstone				

REMARKS:

GAS MONITORING

CH ₄ : 0	% LEL	H ₂ S: 0	PPM
0	PPM	O ₂ : 20.9	%

DELIVERY

TICKET

922

QC 4.1/7B



DRILLING SERVICES LTD.

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Daw ST Middleton	DAY / DATE	max 20-2-23	DRILLER	S ALLEN
----------------	------------------	------------	-------------	---------	---------

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				Grouting Mix 10-1				Per dr
B446:				AF32 AG51 EA3 G55 AI45 AD50 GA3 G57 AH46 AE50 EAS G53 W31 Q55 GL5 IS3 V32 O55 IL3 K53 X32 K55 IL5 X38 K57 IS5 V38 AE51 IS7				
				Au Flow				
				TOTAL				4.4 ton

S:	GAS MONITORING				DELIVERY	TICKET No.	QUANTITY
	CH ₄ :	% LEL	H ₂ S:	PPM	OK	67	3T
	CO:	PPM	O ₂ :	%			
NOTES:							

DAILY SITE RECORD

82

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BE 113	GL 27	27 38	27	Fill & drift Sandstone				
BE 111	GL 27	27 38	27	Fill & drift Sandstone				
BE 109	GL 27	27 38	27	Fill & drift Sandstone				
BC 113	GL 27	27 38	27	Fill & drift Sandstone				
BC 111	GL 27	27 38	27	Fill & drift Sandstone				
BC 109	GL 27	27 38	27	Fill & drift Sandstone				
BA 113	GL 27	27 38	27	Fill & drift Sandstone				

[illegible][illegible]

DAILY SITE RECORD

83

SITE / JOB NO.	Don Street	DAY / DATE	14 - 2 - 23	DRILLER	Leigh Smith
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[illegible][illegible][illegible]

84

DAILY SITE RECORD

SITE / JOB NO.	DON STREET	DAY / DATE	TUESDAY 14/2/23	DRILLER	C. BIRCHMAN INC.
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AU	CL	2700	28m	Fill + Drift				
103	2700	3800		MUDSTONE + SANDSTONE				
AU	CL	2700	28m	Fill + Drift				
101	2700	3800		MUDSTONE + SANDSTONE				
AU	CL	2700	28m	Fill + Drift				
99	2700	3800		MUDSTONE + SANDSTONE				
AW	CL	2680	28m	Fill + Drift				
103	2680	3800		MUDSTONE + SANDSTONE				
AW	CL	2700	28m	Fill + Drift				
101	2700	3800		MUDSTONE + SANDSTONE				
AW	CL	2690	28m	Fill + Drift				
99	2690	3800		MUDSTONE + SANDSTONE				
AY	CL	2650	28m	Fill + Drift				
103	2650	3800		MUDSTONE + SANDSTONE				
AY	CL	2700	28m	Fill + Drift				
101	2700	3800		MUDSTONE + SANDSTONE				
AY	CL	2700	28m	Fill + Drift				
99	2700	3800		MUDSTONE + SANDSTONE				
BA	CL	2680	28m	Fill + Drift				
99	2680	3800		MUDSTONE + SANDSTONE				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S : 0	PPM
	CO : 0 PPM	O ₂ : 20.9	%
	NOTES: CO ₂ 0		
..... R.E./SUPERVISOR			

[illegible]

85

SITE / JOB NO.	DON STREET	DAY / DATE	WEDNESDAY 15/2/23	DRILLER	C. BILLYHAM
-------------------	------------	---------------	----------------------	---------	-------------

[illegible]

DAILY SITE RECORD

86

SITE / JOB No.	Don Street	DAY / DATE	15-2-23	DRILLER	Leigh Smith
-------------------	------------	---------------	---------	---------	-------------

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BW			27					
153	GL	27		Fill & cluff				
	27	38		Sandstone				
BM			27					
147	GL	27		Fill & cluff				
	27	38		Sandstone				
CC			27					
137	GL	27		Fill & cluff				
	27	38		Sandstone				
CA			27					
137	GL	27		Fill & cluff				
	27	38		Sandstone				
BY			27					
137	GL	27		Fill & cluff				
	27	38		Sandstone				
AY			27					
107	GL	27		Fill & cluff				
	27	38		Sandstone				
BB			27					
106	GL	27		Fill & cluff				
	27	38		Sandstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: 0	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

87

SITE / JOB No.	Dan Street	DAY / DATE	15-2-23	DRILLER	Leigh Smith
-------------------	------------	---------------	---------	---------	-------------

[illegible][illegible][illegible]

Tel: 01902 885241

88

DAILY SITE RECORD

SITE / JOB No.	Don Street	DAY / DATE	16 - 2 - 23	DRILLER	Leigh Smith
-------------------	------------	---------------	-------------	---------	-------------

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
B3 124	GL 27	27 38	27	Fill & drift Sandstone				
B3 126	GL 27	27 38	27	Fill & drift Sandstone				
B3 137	GL 27	27 38	27	Fill & drift Sandstone				
BW 115	GL 27	27 38	27	Fill & drift Sandstone				
BO 135	GL 27	27 38	27	Fill & drift Sandstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: 0	
..... R.E./SUPERVISOR		

[illegible]

89

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AF	GL	950	10m	fill + DRIFT				
32	950	2590		MUDSTONE + SANDSTONE				
	2590	2620		COAL				
	2620	3000		SANDSTONE				
AI	GL	1200	12m	fill + DRIFT				
45	1200	3000		MUDSTONE + SANDSTONE				
AH	GL	1200	12m	fill + DRIFT				
46	1200	3000		MUDSTONE + SANDSTONE				
W	GL	800	8m	fill + DRIFT				
31	800	2500		MUDSTONE + SANDSTONE				
	2500	2520		COAL				
	2520	3000		SANDSTONE				
V	GL	800	8m	fill + DRIFT				
32	800	2520		MUDSTONE + SANDSTONE				
	2520	2540		COAL				
	2540	3000		SANDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

90

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
X 32	GL 850	850 2510	10m	fill + DRIFT MUDSTONE + SANDSTONE COAL SANDSTONE				
Q 55	GL 1350	1350 3000	14m	fill + DRIFT MUDSTONE + SANDSTONE				
O 55	GL 1350	1350 3000	14m	fill + DRIFT MUDSTONE + SANDSTONE				
K 55	GL 1400	1400 3000	14m	fill + DRIFT MUDSTONE + SANDSTONE				
K 57	GL 1450	1450 3000	16m	fill + DRIFT MUDSTONE + SANDSTONE	6m OFFSET			

[illegible][illegible]

DAILY SITE RECORD

91

SITE / JOB NO.	Dan Street	DAY / DATE	17-2-23	DRILLER	Leagh Smith
-------------------	------------	---------------	---------	---------	-------------

[illegible]

REMARKS:	GAS MONITORING
	CH ₄ : 0 % LEL H ₂ S : 0 PPM
	CO : 0 PPM O ₂ : 20.9 %
	NOTES: 0
	R.E./SUPERVISOR

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

96

SITE / JOB No.	DON STREET	DAY / DATE	TUESDAY 21/2/23	DRILLER	C. RICHARDSON
----------------	------------	------------	--------------------	---------	---------------

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
O	GL	1220	14m	fill + DRIFT				
51	1220	3000		MUDSTONE + SANDSTONE				
Q	GL	1200	12m	fill + DRIFT				
49	1200	3000		MUDSTONE + SANDSTONE				
Q	GL	1200	12m	fill + DRIFT				
47	1200	3000		MUDSTONE + SANDSTONE				
O	GL	1180	12m	fill + DRIFT				
49	1180	3000		MUDSTONE + SANDSTONE				
O	GL	1200	12m	fill + DRIFT				
47	1200	3000		MUDSTONE + SANDSTONE				
M	GL	1200	12m	fill + DRIFT				
49	1200	3000		MUDSTONE + SANDSTONE				
M	GL	1200	12m	fill + DRIFT				
47	1200	3000		MUDSTONE + SANDSTONE				
N	GL	700	7m	fill + DRIFT				
32	700	3000		MUDSTONE + SANDSTONE				
P	GL	700	7m	fill + DRIFT				
32	700	3000		MUDSTONE + SANDSTONE				

REMARKS:

GAS MONITORING

CH₄: 0 % LEL H₂S: 0 PPM
CO: 0 PPM O₂: 20.5 %
NOTES: CO₂ 0

DELIVERY

TICKET No.

QUANTITY

R.E./SUPERVISOR

97

SITE / JOB NO.	Don Street	DAY / DATE	21-2-23	DRILLER	Leigh Smith
-------------------	------------	---------------	---------	---------	-------------

[illegible][illegible]

98

DAILY SITE RECORD

SITE / JOB NO.	Don street	DAY / DATE	21-2-23	DRILLER	Leigh Smith
-------------------	------------	---------------	---------	---------	-------------

[illegible][illegible][illegible]

Tel: 01902 885241

923

DAILY SITE RECORD

SITE / JOB NO.	DON ST MIDDLETON	DAY / DATE	Tues 21-2-23	DRILLER	S ALLEN.
-------------------	------------------	---------------	-----------------	---------	----------

[illegible]

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
..... R.E./SUPERVISOR				

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

58

SITE / JOB No.	Don Street	DAY / DATE	THURSDAY 2/2/23	DRILLER	C. BULLINGHAM
-------------------	------------	---------------	--------------------	---------	---------------

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
0	GL	700	8m	fill + Drift				
27	700	2170		MUDSTONE + SANDSTONE				
	2170	2200		COAL				
	2200	3000		SANDSTONE				
V	GL	650	8m	fill + Drift				
24	650	2400		MUDSTONE + SANDSTONE				
	2400	2420		COAL				
	2420	3000		SANDSTONE				
V	GL	600	6m	fill + Drift				
26	600	3000		MUDSTONE + SANDSTONE				
U	GL	700	8m	fill + Drift				
29	700	3000		MUDSTONE + SANDSTONE				
W	GL	700	8m	fill + Drift				
25	700	3000		MUDSTONE + SANDSTONE				
Y	GL	700	8m	fill + Drift				
25	700	3000		MUDSTONE + SANDSTONE				
W	GL	800	8m	fill + Drift				
27	800	3000		MUDSTONE + SANDSTONE				
W	GL	800	8m	fill + Drift				
29	800	2500		MUDSTONE + SANDSTONE				
	2500	2520		COAL				
	2520	3000		SANDSTONE				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

59

SITE / JOB NO.	Don STREET	DAY / DATE	THURSDAY 2/2/23	DRILLER	C. BILKINCHAM JR
-------------------	------------	---------------	--------------------	---------	------------------

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Y	GL	750	8M	Fill + Drift				
29	750	2520		Mudstone + Sandstone				
	2520	2540		Coal				
	2540	3000		Sandstone				
Y	GL	800	8M	Fill + Drift				
27	800	2530		Mudstone + Sandstone				
6M	2530	2550		Coal				
Drift	2550	3000		Sandstone				
AA	GL	850	10M	Fill + Drift				
29	850	3000		Mudstone + Sandstone				
AA	GL	900	10M	Fill + Drift				
27	900	3000		Mudstone + Sandstone				

[illegible][illegible]

60

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
N 30	GL 7	7 30	7	Fill & drift Sandstone				
P 30	G 7 7	7 20.60	7	Fill & drift Sandstone				
	20.60 21	21 30		Coal Sandstone				
R 30	G 7 7	7 30	7	Fill & drift Sandstone				
AC 49	GL 12	12 21	12	Fill & drift Sandstone				
	21 21.40	21.40 30		Coal Sandstone				
AE 49	GL 13	13 30	13	Fill & drift Sandstone				
AG 49	GL 13	13 30	13	Fill & drift Sandstone				

[illegible][illegible]

67

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AB 50	GL 12	12 35	12	Fill & drift Sandstone				
Z 52	GL 12	12 35	12	Fill & drift Sandstone				
AC 47	GL 11	11 30	11	Fill & drift Sandstone				
AE 47	GL 11	11 30	11	Fill & drift Sandstone				
AG 47	GL 11	11 30	11	Fill & drift Sandstone				
AI 47	GL 11	11 30	11	Fill & drift Sandstone				

REMARKS:	GAS MONITORING	
	CH ₄ : C % LEL	H ₂ S: O PPM
	CO: C PPM	O ₂ : 20.9 %
	NOTES: C	
	 R.E./SUPERVISOR	

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

62

SITE / JOB No.	Don STREET	DAY / DATE	FRIDAY 3/2/23	DRILLER	C. Brennan
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AA	GL	870	10M	FILL + DRIFT				
25	870	3000		MUDSTONE + SANDSTONE	6M OFFSET			
X	GL	900	10M	FILL + DRIFT				
26	900	3000		MUDSTONE + SANDSTONE				
X	GL	880	10M	FILL + DRIFT				
28	880	2520		MUDSTONE + SANDSTONE				
	2520	2540		COAL				
	2540	3000		SANDSTONE				
7	GL	900	10M	FILL + DRIFT				
26	900	3000		MUDSTONE + SANDSTONE				
Z	GL	900	10M	FILL + DRIFT				
28	900	3000		MUDSTONE + SANDSTONE				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S : 0	PPM
	CO : 0 PPM	O ₂ 20.9	%
	NOTES: CO ₂ 0		
..... R.E./SUPERVISOR			

[illegible]

SITE / JOB No.	Don Street	DAY / DATE	3 - 2 - 23	DRILLER	Lugh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AD 46	GL 11	11 30	11	Fill & drift Sandstone				
AD 48	GL 11	11 30	11	Fill & drift Sandstone				
AF 46	GL 11	11 30	11	Fill & drift Sandstone				
AF 48	GL 11	11 30	11	Fill & drift Sandstone				
AE 45	GL 11	11 30	11	Fill & drift Sandstone				

[illegible][illegible]

DAILY SITE RECORD

SI.1

SITE / JOB NO.	Don Street	DAY / DATE	5-1-23	DRILLER	Lergh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BH1 (AE55)	GL 12	12 30	12	Fill & drift Sandstone				
BH2 (AC55)	GL 12	12 30	12	Fill & drift Sandstone				
BH3 (AA55)	GL 11.70 12	11.70 12 30	12	Fill & drift Coal Sandstone				
BH4 (Y55)	GL 11.70 12	11.70 12 30	12	Fill & drift Coal Sandstone				
BH5 (W55)	GL 14	14 30	14	Fill & drift Sandstone				
BH6 (U55)	GL 14	14 30	14	Fill & drift Sandstone				
BH7 (S55)	GL 14	14 30	14	Fill & drift Sandstone.				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: 0 - 1 CO ₂	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BC	GL	2400	24m	Fill + Drift				
103	2400	2460		COAL				
	2460	3000		SANDSTONE				
BC	GL	2400	24m	Fill + Drift				
101	2400	2450		COAL				
	2450	3000		SANDSTONE				
RC	GL	2400	24m	Fill + Drift				
99	2400	2450		COAL				
	2450	3000		SANDSTONE				
BD	GL	2500	26m	Fill + Drift				
102	2500	3000		SANDSTONE				
BD	GL	2550	26m	Fill + Drift				
100	2550	3000		SANDSTONE				
BE	GL	2700	28m	Fill + Drift				
103	2700	2750		COAL				
	2750	3000		SANDSTONE				
BE	GL	2700	28m	Fill + Drift				
101	2700	2740		COAL				
	2740	3000		SANDSTONE				
BE	GL	2700	28m	Fill + Drift				
99	2700	3000		SANDSTONE				

[illegible][illegible]

Tel: 01902 885241

2

DAILY SITE RECORD

SITE / JOB No.	DON STREET	DAY / DATE	WEDNESDAY 11/1/23	DRILLER	C. BILLINGHAM JR.
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[illegible]

REMARKS:	GAS MONITORING		
	CH ₄ :	8 % LEL	H ₂ S : 0 PPM
	CO :	8 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0		
..... R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

3

SITE / JOB No.	Don Street	DAY / DATE	11 - 1 - 23	DRILLER	Leigh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BK 111	GL	25	25	Fill & drift				
	25	25.50		Coal				
	25.50	30		Sandstone				
BK 109	GL	25	25	Fill & drift				
	25	25.40		Coal				
	25.40	30		Sandstone				
BK 113	GL	25	25	Fill & drift				
	25	25.50		Coal				
	25.50	30		Sandstone				
BI 109	GL	25	25	Fill & drift				
	25	25.60		Coal				
	25.60	30		Sandstone				
BI 111	GL	25	25	Fill & drift				
	25	25.50		Coal				
	25.50	30		Sandstone				
BI 113	GL	26	26	Fill & drift				
	26	30		Sandstone				

REMARKS:	GAS MONITORING	
	CH ₄ : C % LEL	H ₂ S: C PPM
	CO : C PPM	O ₂ : 20.9 %
	NOTES: C	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

4

DAILY SITE RECORD

SITE / JOB No.	Don Street	DAY / DATE	11 - 1 - 23	DRILLER	Leagh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BG			26					
109	GL	26		Fill & chryft				
	26	30		Sandstone				
BG			26					
111	GL	26		Fill & chryft				
	26	30		Sandstone				
BG			26					
113	GL	26		Fill & chryft				
	26	30		Sandstone				
BH			25					
110	GL	25		Fill & chryft				
	25	25.60		Coal				
	25.60	30		Sandstone				
BH			26					
112	GL	26		Fill & chryft				
	26	30		Sandstone				
BT			25					
110	GL	25		Fill & chryft				
	25	25.50		Coal				
	25.50	30		Sandstone				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S: C PPM	
	CO: C PPM	O ₂ : 20.9 %	
	NOTES: C		
			R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

5

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BG	2600	2600	26m	fill + Drift				
103	2600	3000		SANDSTONE				
BH	2620	2620	28m	fill + Drift				
102	2620	3000		SANDSTONE				
BH	2600	2600	26m	fill + Drift				
100	2600	2630		COAL				
	2630	3000		SANDSTONE				
BI	2650	2650	28m	fill + Drift				
103	2650	2680		COAL				
	2680	3000		SANDSTONE				
BI	2600	2600	26m	fill + Drift				
101	2600	2630		COAL				
	2630	3000		SANDSTONE				
BI	2600	2600	26m	fill + Drift				
99	2600	3000		SANDSTONE				
BJ	2620	2620	28m	fill + Drift				
100	2620	3000		SANDSTONE				
BJ	2600	2600	26m	fill + Drift				
102	2600	3000		SANDSTONE				
BK	2600	2600	26m	fill + Drift				
99	2600	3000		SANDSTONE				

REMARKS:	GAS MONITORING		
	CH ₄ :	<u>8</u> % LEL	H ₂ S : <u>0</u> PPM
	CO :	<u>8</u> PPM	O ₂ : <u>23-9%</u>
	NOTES: <u>CO₂ 0</u>		
..... R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

Tel: 0

SITE / JOB No.	DON STREET	DAY / DATE	THURSDAY 12/1/23	DRILLER	C. CUNNINGHAM JR.
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[illegible][illegible][illegible]

7

SITE / JOB No.	Don Street	DAY / DATE	12-1-23	DRILLER	Leigh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BJ			25					
112	GL	25		Fill & drift				
	25	25.60		Coc.				
	26.60	30		Sandstone				
BK			26					
108	GL	26		Fill & drift				
	26	30		Sandstone				
BM			26					
109	GL	26		Fill & drift				
	26	30		Sandstone				
BM			26					
111	GL	26		Fill & drift				
	26	30		Sandstone				
BM			26					
113	GL	26		Fill & drift				
	26	30		Sandstone				
BL			26					
110	GL	26		Fill & drift				
	26	30		Sandstone				
BL			25					
112	GL	25		Fill & drift				
	25	25.60		Coc.				
	25.60	30		Sandstone				

[illegible][illegible]

DAILY SITE RECORD

SITE /
JOB No.

Don Street

DAY /
DATE

12-1-23

DRILLER

Leigh Smith

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BO			26					
113	GL	26		Fill & drift				
	26	30		Sandstone				
BO			26					
111	GL	26		Fill & drift				
	26	30		Sandstone				
BO			25					
109	GL	25		Fill & drift				
	25	25.60		Coal				
	25.60	30		Sandstone				
BN			25					
110	GL	25		Fill & drift				
	25	25.50		Coal				
	25.50	30		Sandstone				
BN			26					
112	GL	26		Fill & drift				
	26	30		Sandstone				

REMARKS:	GAS MONITORING	
	CH ₄ : C % LEL	H ₂ S: C PPM
	CO: C PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

64

SITE / JOB NO.	Don Street	DAY / DATE	6 - 2 - 23	DRILLER	Learh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AG			11					
45	GL	11		Fill & drift				
	11	30		Sandstone				
Y								
45			11					
	GL	11		Fill & drift				
	11	18		Sandstone				
	18	18.40		Coal				
	18.40	30		Sandstone				
W			11					
45	GL	11		Fill & drift				
	11	18		Sandstone				
	18	18.30		Coal				
	18.30	35		Sandstone				
U			11					
45	GL	11		Fill & drift				
	11	30		Sandstone				
Y			11					
43	GL	11		Fill & drift				
	11	30		Sandstone				
W			11					
43	GL	11		Fill & drift				
	11	30		Sandstone				

REMARKS:	GAS MONITORING	
	CH_4 : C % LEL	H_2S : C PPM
	CO : O PPM	O_2 : 20.9 %
	NOTES: O	
..... R.E./SUPERVISOR		

[illegible]

SITE / JOB No.	Don Street	DAY / DATE	6-2-23	DRILLER	Leagh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
U 43	GL 11	11 30	11	Fill & drift Sandstone				
Y 41	GL 10	10 30	10	Fill & drift Sandstone				
W 41	GL 10	10 30	10	Fill & drift Sandstone				
U 41	GL 10	10 30	10	Fill & drift Sandstone				
U 39	GL 9	9 30	9	Fill & drift Sandstone				
W 39	GL 9	9 30	9	Fill & drift Sandstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

66

SITE / JOB No.	DON STREET	DAY / DATE	MONDAY 6/2/23	DRILLER	C. Buchanan
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AC	GL	700	8m	fill + DRIFT				
27	700	3000		MUDSTONE + SANDSTONE				
AE	GL	800	8m	fill + DRIFT				
27	800	3000		MUDSTONE + SANDSTONE				
AG	GL	840	10m	fill + DRIFT	6m			
27	840	3000		MUDSTONE + SANDSTONE	Offset			
AD	GL	850	10m	fill + DRIFT				
28	850	3000		MUDSTONE + SANDSTONE				
AF	GL	850	10m	fill + DRIFT				
28	850	3000		MUDSTONE + SANDSTONE				
AC	GL	900	10m	fill + DRIFT				
29	900	3000		MUDSTONE + SANDSTONE				
AE	GL	850	10m	fill + DRIFT				
29	850	3000		MUDSTONE + SANDSTONE				
AG	GL	870	10m	fill + DRIFT	6m			
29	870	3000		MUDSTONE + SANDSTONE	Offset			
AD	GL	860	10m	fill + DRIFT				
30	860	3000		MUDSTONE + SANDSTONE				
AF	GL	900	10m	fill + DRIFT				
30	900	3000		MUDSTONE + SANDSTONE				

REMARKS:	GAS MONITORING		
	CH ₄ :	0 % LEL	H ₂ S : 0 PPM
	CO :	0 PPM	O ₂ : 19.9 %
	NOTES: CO ₂ 0		
..... R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

67

SITE / JOB No.	DON STREET	DAY / DATE	Monday 6/27/23	DRILLER	C. J. WENHAM
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

68.

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AG	GL	850	10M	fill + Drift				
31	850	3000		MUDSTONE + SANDSTONE				
AE	GL	950	10M	fill + Drift				
33	950	2580		MUDSTONE + SANDSTONE				
	2580	2610		COAL				
	2610	3000		SANDSTONE				
AG	GL	830	10M	fill + Drift				
33	830	3000		MUDSTONE + SANDSTONE				
AI	GL	870	10M	fill + Drift				
33	870	3000		MUDSTONE + SANDSTONE	4M			
					OFFSET			
AF	GL	950	10M	fill + Drift				
34	950	3000		MUDSTONE + SANDSTONE				
AH	GL	920	10M	fill + Drift				
34	920	3000		MUDSTONE + SANDSTONE				
K	GL	400	4M	fill				
9	400	440		COAL				
	440	2610		MUDSTONE + SANDSTONE				
	2610	2640		COAL				
	2640	3000		SANDSTONE				

REMARKS:	GAS MONITORING		
	CH ₄ :	0 % LEL	H ₂ S : 0 PPM
	CO :	0 PPM	O ₂ : 20.9 %
	NOTES: CS 2 0		
..... R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

69

SITE / JOB No.	Don STREET	DAY / DATE	TUESDAY 7/2/23	DRILLER	C. BILLINGHAM
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M	GL	380	4m	fill				
9	380	430		COAL				
	430	2620		MUDSTONE + SANDSTONE				
	2620	2650		COAL				
	2650	3000		SANDSTONE				
O	GL	400	4m	fill				
9	400	450		MUDSTONE				
	450	490		COAL				
	490	3000		MUDSTONE + SANDSTONE				
J	GL	400	4m	fill				
10	400	440		COAL				
	440	2600		MUDSTONE + SANDSTONE				
	2600	2640		COAL				
	2640	3000		SANDSTONE				
L	GL	380	4m	fill				
10	380	450		COAL				
	450	2570		MUDSTONE + SANDSTONE				
	2570	2610		COAL				
	2610	3000		SANDSTONE				
N	GL	400	4m	fill				
10	400	460		COAL				
	460	2590		MUDSTONE + SANDSTONE				
	2590	2640		COAL				
	2640	3000		SANDSTONE				

[illegible][illegible]

SITE / JOB NO.	Don Street	DAY / DATE	7 - 2 - 23	DRILLER	Leigh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Y 39	GL 9	9 30	9	Fill & clyft Sandstone				
Y 37	GL 7	7 30	7	Fill & clyft Sandstone				
W 37	GL 7	7 20.10 20.10 20.40 20.40 30	7	Fill & clyft Sandstone Coal Sandstone				
U 37	GL 7	7 30	7	Fill & clyft Sandstone				
V 44	GL 11	11 30	11	Fill & clyft Sandstone				
X 44	GL 11	11 30	11	Fill & clyft Sandstone				
V 42	GL 11	11 30	11	Fill & clyft Sandstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : C PPM	O ₂ : 20.9 %
	NOTES: O	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

71

SITE / JOB NO.	Don Street	DAY / DATE	7 - 2 - 23	DRILLER	Leech Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
X 42	GL 11	11 30	11	Fill & chryft Sandstone				
V 40	GL 9	9 30	9	Fill & chryft Sandstone				
X 40	GL 9	9 30	9	Fill & chryft Sandstone				
X 36	GL 7	7 30	7	Fill & chryft Sandstone				
V 36	GL 7	7 30	7	Fill & chryft Sandstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: 0	
	 R.E./SUPERVISOR	

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

72

SITE / JOB No.	Don Street	DAY / DATE	Wednesday 8/2/23	DRILLER	C. Bingham
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q	GL	400	4m	Fill				
15	400	500		MUDSTONE				
	500	580		COAL				
	580	2430		MUDSTONE + SANDSTONE				
	2430	2470		COAL				
	2470	3000		SANDSTONE				
S	GL	380	4m	Fill				
15	380	680		MUDSTONE				
	680	800		COAL + MUDSTONE				
	800	3000		MUDSTONE + SANDSTONE				
P	GL	350	4m	Fill				
16	350	650		MUDSTONE				
	650	770		COAL + MUDSTONE				
	770	2300		MUDSTONE + SANDSTONE				
	2300	2340		COAL				
	2340	3000		SANDSTONE				
R	GL	380	4m	Fill				
16	380	690		MUDSTONE				
	690	810		COAL + MUDSTONE				
	810	3000		MUDSTONE + SANDSTONE				
AE	GL	1000	10m	Fill + Drift				
35	1000	3000		MUDSTONE + SANDSTONE				
AG	GL	980	10m	Fill + Drift				
35	980	3000		MUDSTONE + SANDSTONE				

REMARKS:

GAS MONITORING

CH₄: 0 % LEL H₂S: 0 PPM

CO: 0 PPM O₂: 20.9 %

NOTES: CO₂ 0

DELIVERY

TICKET No.

QUANTITY

R.E./SUPERVISOR

73

SITE / JOB NO.	DON STREET	DAY / DATE	WEDNESDAY 8/2/23	DRILLER	C. BILLENHAM
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AI 35	GL 980	980 3000	10m	fill + DRIFT MUDSTONE + SANDSTONE	6m OFFSET			
AF 36	GL 1000	1000 3000	10m	fill + DRIFT MUDSTONE + SANDSTONE				
AH 36	GL 1000	1000 3000	10m	fill + DRIFT MUDSTONE + SANDSTONE				
AE 37	GL 1000	1000 3000	10m	fill + DRIFT MUDSTONE + SANDSTONE				
AG 37	GL 980	980 3000	10m	fill + DRIFT MUDSTONE + SANDSTONE	6m OFFSET			
AI 37	GL 980	980 3000	10m	fill + DRIFT MUDSTONE + SANDSTONE	12m OFFSET			

[illegible][illegible]

DAILY SITE RECORD

74

SITE / JOB NO.	Don Street	DAY / DATE	8 - 2 - 23	DRILLER	Leeigh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Y			8					
35	GL	8		Fill & drift				
	8	30		Sandstone				
W			8					
35	GL	8		Fill & drift				
	8	30		Sandstone				
U			8					
35	GL	8		Fill & drift				
	8	30		Sandstone				
U			8					
33	GL	8		Fill & drift				
	8	30		Sandstone				
W			8					
33	GL	8		Fill & drift				
	8	30		Sandstone				
Y			8					
33	GL	8		Fill & drift				
	8	30		Sandstone				
V			8					
34	GL	8		Fill & drift				
	8	30		Sandstone				

[illegible][illegible]

DAILY SITE RECORD

75

SITE / JOB NO.	Don Street	DAY / DATE	8 - 2 - 23	DRILLER	Leech Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
X 34	GL 8	8 30	8	Fill & drift Sandstone				
E 23	GL 4 18.30 18.30 18.70	4 18.30 18.70 30	4	Fill mudstone Coal Sandstone				
E 25	GL 4 16 16.50 16.50	4 16 16.50 30	4	Fill mudstone Coal Sandstone				
E 27	GL 6 12 12.60 12.60	6 12 12.60 30	6	Fill mudstone Coal Sandstone				
F 22	GL 4 20 20.70 20.70	4 20 20.70 30	4	Fill mudstone Coal Sandstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: 0	
..... R.E./SUPERVISOR		

[illegible]

76

SITE / JOB NO.	Don Street	DAY / DATE	9-2-23	DRILLER	Leigh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
F 24	GL 4	4 19	4	Fill mudstone				
	19	19.70		Coal				
	19.70	30		Sandstone				
F 26	GL 4	4 12.20	4	Fill mudstone				
	12.20	12.70		Coal				
	12.70	30		Sandstone				
H 26	GL 6	6 12.30	6	Fill & drift mudstone				
	12.30	12.90		Coal				
	12.90	30		Sandstone				
T 32	GL 7	7 30	7	Fill & drift Sandstone				
S 33	GL 7	7 30	7	Fill & drift Sandstone				
Q 33	GL 7	7 30	7	Fill & drift Sandstone				

REMARKS:	GAS MONITORING		
	CH_4 : C % LEL	H_2S : C PPM	
	CO : C PPM	O_2 : 20.9 %	
	NOTES: O		
			R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

77

SITE / JOB NO.	Don Street	DAY / DATE	9-2-23	DRILLER	Leech Smith
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[illegible][illegible][illegible]

DAILY SITE RECORD

78

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AF 38	GL 1000	1000 3000	10M	fill + Drift Mudstone + Sandstone				
AH 38	GL 950	950 3000	10M	fill + Drift Mudstone + Sandstone				
AE 39	GL 1000	1000 3000	12M	fill + Drift Mudstone + Sandstone	6M Offset			
AG 39	GL 1020	1020 3000	12M	fill + Drift Mudstone + Sandstone	6M Offset			
AI 39	GL 1050	1050 3000	12M	fill + Drift Mudstone + Sandstone	12M Offset			
AF 40	GL 1070	1070 3000	12M	fill + Drift Mudstone + Sandstone				
AH 40	GL 1050	1050 3000	12M	fill + Drift Mudstone + Sandstone				
AE 41	GL 1060	1060 3000	12M	fill + Drift Mudstone + Sandstone				
AG 41	GL 1100	1100 3000	12M	fill + Drift Mudstone + Sandstone				
AI 41	GL 1080	1080 3000	12M	fill + Drift Mudstone + Sandstone				

REMARKS:	GAS MONITORING		
	CH ₄ : 0	% LEL	H ₂ S : 0 PPM
	CO : 0	PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0		
..... R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

79

SITE / JOB NO.	DON STREET	DAY / DATE	THURSDAY 9/2/23	DRILLER	C. BILLINGHAM JR.
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[illegible][illegible][illegible]

80

DAILY SITE RECORD

SITE / JOB No.	Don STREET	DAY / DATE	FRIDAY 10/2/23	DRILLER	C. BILWALAH
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[illegible]

REMARKS:	GAS MONITORING		
	CH₄:	% LEL	H₂S : PPM
	CO :	PPM	O₂ : %
	NOTES:		

[illegible]

81

DAILY SITE RECORD

SITE / JOB No.	Don Street	DAY / DATE	10-2-23	DRILLER	Lugh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M			7					
31	GL	7		Fill & clyft				
	7	30		Scndstone				
O			7					
31	GL	7		Fill & clyft				
	7	30		Scndstone				
Q			7					
31	GL	7		Fill & clyft				
	7	30		Scndstone				
S			7					
31	GL	7		Fill & clyft				
	7	30		Scndstone				
R			7					
32	GL	7		Fill & clyft				
	7	30		Scndstone				

[illegible][illegible]

DAILY SITE RECORD

9

SITE / JOB No.	Don STREET	DAY / DATE	FRIDAY 13/1/23	DRILLER	C. BILLYNCHAM
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BL	2600	2600	26m	fill + Drift				
100	2600	3000		SANDSTONE				
BM	2700	2700	28m	fill + Drift				
103	2700	3000		SANDSTONE				
BM	2800	2800	28m	fill + Drift				
101	2800	3000		SANDSTONE				
BM	2750	2750	28m	fill + Drift				
99	2750	3000		SANDSTONE				
BN	2700	2700	28m	fill + Drift				
100	2700	3000		SANDSTONE				

REMARKS:	GAS MONITORING		
	CH ₄ :	8 % LEL	H ₂ S : 0 PPM
	CO :	8 PPM	O ₂ : 20.9%
	NOTES: CO ₂		
..... R.E./SUPERVISOR			

[illegible]

10

SITE / JOB NO.	Don Street	DAY / DATE	13-1-23	DRILLER	Leech Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BQ			27					
109	GL	27		Fill & chryft				
	27	30		Scarlstone				
BQ			27					
111	GL	27		Fill & chryft				
	27	30		Scarlstone				
BQ			27					
113	GL	27		Fill & chryft				
	27	30		Scarlstone				
BP			27					
112	GL	27		Fill & chryft				
	27	30		Scarlstone				
BP			27					
110	GL	27		Fill & chryft				
	27	30		Scarlstone				

[illegible][illegible]

DAILY SITE RECORD

11

SITE / JOB NO.	Done Street	DAY / DATE	16 - 1 - 23	DRILLER	Leagh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BM			26					
115	GL	26		Fill & drift				
	26	30		Sandstone				
BO			26					
115	GL	26		Fill & drift				
	26	26.40		Coal				
	26.40	30		Sandstone				
BQ			27					
115	GL	27		Fill & drift				
	27	30		Sandstone				
BQ			26					
117	GL	26		Fill & drift				
	26	30		Sandstone				
BO			26					
117	GL	26		Fill & drift				
	26	30		Sandstone				
BM			27					
117	GL	27		Fill & drift				
	27	35		Sandstone				
BM			26					
119	GL	26		Fill & drift				
	26	26.40		Coal				
	26.40	30		Sandstone				

[illegible][illegible]

DAILY SITE RECORD

12

SITE / JOB NO.	Don Street	DAY / DATE	16 - 1 - 23	DRILLER	Leech Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BQ			27					
119	GL	27		Fill & drift				
	27	30		Sandstone				
BQ			27					
119	GL	27		Fill & drift				
	27	30		Sandstone				
BQ			27					
121	GL	27		Fill & drift				
	27	30		Sandstone				
BC			26					
121	GL	26		Fill & drift				
	26	26.50		Coal				
	26.50	30		Sandstone				
BM			27					
121	GL	27		Fill & drift				
	27	30		Sandstone				

[illegible][illegible]

DAILY SITE RECORD

13

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BN	CL	2700	28M	FILL + DRIFT				
102	2700	2730		COAL				
	2730	3000		SANDSTONE				
BO	CL	2750	28M	FILL + DRIFT				
99	2750	3000		SANDSTONE				
BO	CL	2800	28M	FILL + DRIFT				
101	2800	2830		COAL				
	2830	3000		SANDSTONE				
BO	CL	2800	28M	FILL + DRIFT				
103	2800	3000		SANDSTONE				
BP	CL	2720	28M	FILL + DRIFT				
100	2720	3000		SANDSTONE				
BP	CL	2700	28M	FILL + DRIFT				
102	2700	3000		SANDSTONE				
BQ	CL	2850	30M	FILL + DRIFT				
103	2850	3500		SANDSTONE				
BQ	CL	2800	28M	FILL + DRIFT				
101	2800	3000		SANDSTONE				
BQ	CL	2800	28M	FILL + DRIFT				
99	2800	3000		SANDSTONE				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE /
JOB No.

DAV STREET

DAY /
DATE

MONDAY
16/1/28

DRILLER

Chinnaiyan

[illegible][illegible]

Tel: 01902 885241

15

DAILY SITE RECORD

SITE / JOB No.	Don STREET	DAY / DATE	TUESDAY 17/11/23	DRILLER	C. SILLINGHAM
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BS	Ql	2800	28m	fill + Drift				
103	2800	3000		SANDSTONE				
BS	Ql	2750	28m	fill + Drift				
101	2750	3000		SANDSTONE				
BC	Ql	2800	28m	fill + Drift				
105	2800	3000		SANDSTONE				
BE	Ql	2780	28m	fill + Drift				
105	2780	3000		SANDSTONE				
BG	Ql	2750	28m	fill + Drift				
105	2750	3000		SANDSTONE				
BI	Ql	2800	28m	fill + Drift				
105	2800	3000		SANDSTONE				
BK	Ql	2750	28m	fill + Drift				
105	2750	3000		SANDSTONE				
BM	Ql	2800	28m	fill + Drift				
105	2800	3000		SANDSTONE				
BO	Ql	2800	28m	fill + Drift				
105	2800	3000		SANDSTONE				
BQ	Ql	2780	28m	fill + Drift				
105	2780	3000		SANDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: 02	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

16

SITE / JOB No.	DON STREET	DAY / DATE	TUESDAY 12/1/23	DRILLER	C. BILLINGHAM JR.
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[illegible]

REMARKS:	GAS MONITORING		
	CH ₄ :	% LEL	H ₂ S : PPM
	CO :	PPM	O ₂ : %
	NOTES:		

[illegible]

17

SITE / JOB NO.	Don Street	DAY / DATE	17-1-23	DRILLER	Leagh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BK			27					
115	GL	27		Fill & drift				
	27	30		Sandstone				
BK			27					
117	GL	27		Fill & drift				
	27	30		Sandstone				
BK			27					
119	GL	27		Fill & drift				
	27	30		Sandstone				
BK			27					
121	GL	27		Fill & drift				
	27	30		Sandstone				
BL			27					
116	GL	27		Fill & drift				
	27	30		Sandstone				
BL			27					
118	GL	27		Fill & drift				
	27	30		Sandstone				
BL			27					
120	GL	27		Fill & drift				
	27	30		Sandstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: C.I.	
..... R.E./SUPERVISOR		

[illegible]

18

SITE / JOB NO.	Don Street	DAY / DATE	17-1-23	DRILLER	Leigh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BL			27					
122	GL	27		Fill & drift				
	27	30		Sandstone				
BN			27					
122	GL	27		Fill & drift				
	27	30		Sandstone				
BN			27					
120	GL	27		Fill & drift				
	27	30		Sandstone				
BN			26					
118	GL	26		Fill & drift				
	26	26.40		Coal				
	26.40	30		Sandstone				
BN			27					
116	GL	27		Fill & drift				
	27	30		Sandstone				

REMARKS:	GAS MONITORING
	CH ₄ : C % LEL H ₂ S : C PPM
	CO : O PPM O ₂ : 20.9 %
	NOTES: C-1
..... R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

19

SITE / JOB No.	DON STREET	DAY / DATE	WEDNESDAY 18/1/23	DRILLER	C. BILLYAM
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BH	GL	2800	28m	fill + DRIFT				
104	2800	3000		SANDSTONE				
BS	GL	2750	28m	fill + DRIFT				
104	2750	3000		SANDSTONE				
BL	GL	2750	28m	fill + DRIFT				
104	2750	3000		SANDSTONE				
BN	GL	2800	28m	fill + DRIFT				
104	2800	3000		SANDSTONE				
BP	GL	2800	28m	fill + DRIFT				
104	2800	3000		SANDSTONE				
BU	GL	2800	28m	fill + DRIFT				
101	2800	3500		SANDSTONE				
BW	GL	2800	28m	fill + DRIFT				
101	2800	3000		SANDSTONE				
BY	GL	2770	28m	fill + DRIFT				
101	2770	3000		SANDSTONE				
BV	GL	2750	28m	fill + DRIFT				
100	2750	3000		SANDSTONE				
BX	GL	2800	28m	fill + DRIFT				
100	2800	3000		SANDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
	 R.E./SUPERVISOR	

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

20

SITE / JOB No.	Dan STREET	DAY / DATE	WEDNESDAY 18/1/23	DRILLER	C. BILNOLAH Jnr
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[illegible][illegible][illegible]

Tel: 01902 885241

21

SITE / JOB No.	Don Street	DAY / DATE	18 - 1 - 23	DRILLER	Leagh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BP			27					
122	GL	27		Fill & drift				
	27	30		Sandstone				
BP			27					
120	GL	27		Fill & drift				
	27	30		Sandstone				
BP			27					
118	GL	27		Fill & drift				
	27	30		Sandstone				
BP			27					
116	GL	27		Fill & drift				
	27	30		Sandstone				
BN			27					
106	GL	27		Fill & drift				
	27	30		Sandstone				
BQ			27					
107	GL	27		Fill & drift				
	27	30		Sandstone				
BT			27					
110	GL	27		Fill & drift				
	27	30		Sandstone				

REMARKS:	GAS MONITORING	
	CH_4 : C % LEL	H_2S : C PPM
	CO : C PPM	O_2 : 20.9%
	NOTES: 0.1	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

22

SITE / JOB NO.	Don Street	DAY / DATE	18-1-23	DRILLER	Leagh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BS			27					
113	GL	27		Fill & drift				
	27	30		Scrubstone				
BU			27					
115	GL	27		Fill & drift				
	27	30		Scrubstone				
BU			27					
117	GL	27		Fill & drift				
	27	30		Scrubstone				
BW			28					
115	GL	28		Fill & drift				
	28	35		Scrubstone				
BW			28					
117	GL	28		Fill & drift				
	28	30		Scrubstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.7 %
	NOTES: 0.1	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

23

SITE / JOB No.	Don STREET	DAY / DATE	THURSDAY 1911-12-3	DRILLER	C. Sullivan
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BY 99	GL 2780	2800 3000	28m	fill + DRIFT SANDSTONE				
BV 98	GL 2800	2800 3000	28m	fill + DRIFT SANDSTONE				
BX 98	GL 2800	2800 3000	28m	fill + DRIFT SANDSTONE				
BV 97	GL 2800	2800 3000	28m	fill + DRIFT SANDSTONE				
BW 97	GL 2800	2800 3000	28m	fill + DRIFT SANDSTONE				
BY 97	GL 2800	2800 3000	28m	fill + DRIFT SANDSTONE				
BV 96	GL 2750	2750 3000	28m	fill + DRIFT SANDSTONE				
BX 96	GL 2780	2780 3000	28m	fill + DRIFT SANDSTONE				
BV 95	GL 2800	2800 3000	28m	fill + DRIFT SANDSTONE				
BW 95	GL 2800	2800 3000	28m	fill + DRIFT SANDSTONE				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
	NOTES: 370	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

24

SITE / JOB No.	DON STREET	DAY / DATE	THURSDAY 19/1/23	DRILLER	C. BILLYNAN
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[illegible][illegible][illegible]

SITE / JOB NO.	Don street	DAY / DATE	19 - 1 - 23	DRILLER	Lergh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BY			28					
115	GL	28		Fill & drift				
	28	30		Sandstone				
BY			28					
117	GL	28		Fill & drift				
	28	30		Sandstone				
CA			27.50					
115	GL	27.50		Fill & drift				
	27.50	28		Coal				
	28	30		Sandstone				
CA			28					
117	GL	28		Fill & drift				
	28	35		Sandstone				
CC			28					
115	GL	28		Fill & drift				
	28	30		Sandstone				
CC			28					
117	GL	28		Fill & drift				
	28	30		Sandstone				
CB			28					
116	GL	28		Fill & drift				
	28	30		Sandstone				

[illegible][illegible]

26

SITE / JOB NO.	Don Street	DAY / DATE	19-1-23	DRILLER	Leigh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BZ			28					
116	GL	28		Fill & chryft				
	28	30		Sandstone				
BX			28					
116	GL	28		Fill & chryft				
	28	30		Sandstone				
BV			27					
116	GL	27		Fill & chryft				
	27	30		Sandstone				
BU			27					
113	GL	27		Fill & chryft				
	27	30		Sandstone				
BW			28					
113	GL	28		Fill & chryft				
	28	30		Sandstone				

[illegible][illegible]

DAILY SITE RECORD

27

SITE / JOB NO.	DON STREET	DAY / DATE	FRIDAY 20/1/23	DRILLER	C. Billingham
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BX 94	Qc	2800 3000	28m	fill + DRIFT SANDSTONE	3m OFFSET			
BU 93	Qc	2770 3000	28m	fill + DRIFT SANDSTONE	6m OFFSET			
BW 93	Qc	2800 3000	28m	fill + DRIFT SANDSTONE	6m OFFSET			
BY 93	Qc	2800 3000	28m	fill + DRIFT SANDSTONE	6m OFFSET			
BY 106	Qc	2700 3000	28m	fill + DRIFT SANDSTONE				

REMARKS:	GAS MONITORING		
	CH ₄ :	% LEL	H ₂ S : PPM
	CO :	PPM	O ₂ : 20.9%
	NOTES: CO ₂		
..... R.E./SUPERVISOR			

[illegible]

Tel: 01902 885241

28

SITE / JOB No.	Don Street	DAY / DATE	20-1-23	DRILLER	Leigh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BX 113	GL	27.50	27.50	Fill & drift Coal Sandstone				
	27.50	28						
	28	30						
CA 113	GL	28	28	Fill & drift Sandstone				
	28	30						
CC 113	GL	28	28	Fill & drift Sandstone				
	28	30						
BV 114	GL	27	27	Fill & drift Sandstone				
	27	30						
BX 114	GL	28	28	Fill & drift Sandstone				
	28	30						

[illegible][illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Monday 23/1 Day Work.								
INSTRUCTED NOT TO COMPLETE SINGLE Bore Hole Positions Beyond Full grid by THE CLIENT.								
Urban Regen removed approx 1m of muck from THE SECTION of grid NOT ACCESSABLE (TOO WET TO WORK).								
INSTRUCTED TO ATTEMPT TO WORK ON THIS New Level.								
Rig got Bugged in and required to be PULLED FREE.								
DAMAGE CAUSED TO Rig FROM THIS FITTER CALLED TO REPAIR								
Monday 23/1 Standing For Rest of Day 11am - 5.30pm								
Tuesday 24/1 Standing For Repair to Rig 7.30 - 10.30pm + COST of FITTER to REPAIR								
Wed 25/1 MOVED Rigs TO 2nd AREA 10.30 - 11.45 START TO SET UP WATER LINES								
NO ACCESS as Laydown cleared for GRout Pumps								

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
..... R.E./SUPERVISOR				

[illegible]

DAILY SITE RECORD

29

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
BV	Ql	2750	28M	fill + Drift				
102	2750	3000		SANDSTONE				
BX	Ql	2770	28M	fill + Drift				
102	2770	3000		SANDSTONE				
BU	Ql	2800	28M	fill + Drift				
103	2800	3000		SANDSTONE				
BV	Ql	2780	28M	fill + Drift				
105	2780	3000		SANDSTONE				
BU	Ql	2800	28M	fill + Drift				
107	2800	3000		SANDSTONE				
BV	Ql	2800	28M	fill + Drift				
104	2800	3000		SANDSTONE				
BV	Ql	2800	28M	fill + Drift				
106	2800	3000		SANDSTONE				
BW	Ql	2780	28M	fill + Drift				
103	2780	3000		SANDSTONE				
BW	Ql	2770	28M	fill + Drift				
105	2770	3000		SANDSTONE				

[illegible][illegible]

SITE / JOB No.	Don Street	DAY / DATE	23 - 1 - 23	DRILLER	Leigh Smith
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[illegible]

REMARKS:	GAS MONITORING	
Break down	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
11 am - 5:30 pm		
Due to ATTEMPTING TO ACCESS A WET AREA ON GRID AS INSTRUCTED BY KELLAN HOMES		
		R.E./SUPERVISOR

[illegible]

31

SITE / JOB NO.	Don Street	DAY / DATE	24 - 1 - 23	DRILLER	Leagh Smith
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[illegible]

REMARKS:	GAS MONITORING		
Breck clam	CH ₄ : 0	% LEL	H ₂ S: 0 PPM
7.30 - 10.30	CO: 0	PPM	O ₂ : 20.9 %
	NOTES: 0		
Breck clam			
12 - 5.30			
	R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

32

[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9%
GROUND CONDITIONS UNWORKABLE!	NOTES: O ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

SITE / JOB NO.	Douglas miller	DAY / DATE	Wed 25-1-23	DRILLER	CLAYTON
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				1) KELLEN CONFIRM COMPLETION OF AREA IN HEXPO SITE				
				2) REQUESTED CLEARANCE TO SITE ACCESS + SCRAPPED OFF + CLEAN AN AREA FOR GROUT PLANT. SET OUT COORNS TO BHOLES. THIS AGREED VERBAL BY KELLEN. URBAN REGEN NEED WRITTEN INSTRUCTIONS				
				3) STANDING FROM 12pm - 2.45 DUE TO ITEM 2				
				4) MOVED BOTH RIGS FROM 1 AREA TO THE OTHER (11am - 12pm)				
				5) HIGHLIGHTED ISSUES ON NEXT GRID WITH STOCK PILED MATERIALS + WATER LOGGED AREA + A SECTION TOO HOT TO WORK ON.				
				6) INFORMED WILL WORKS OF ITEM 2 + 5. (2pm)				
				" MARTIN OF ITEM 2 + 5 (2.10pm)				
				" MATT OF " 2 (3.15pm)				
				ALL AGREED WORK IN ITEM 2 WILL START FOR M+3 TO CONTINUE TOMORROW.				

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
CHETAN KUMAR 				
				R.E./SUPERVISOR

[illegible]

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

33

SITE / JOB No.	DON STREET	DAY / DATE	THURSDAY 26/1/23	DRILLER	CHUNHAM JR
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
O	GL	300	4m	Fill + Drift				
11	300	520		MUDSTONE				
	520	700		COAL + MUDSTONE				
	700	3000		MUDSTONE + SANDSTONE				
M	GL	360	4m	Fill				
11	360	550		MUDSTONE				
	550	720		COAL + MUDSTONE				
	720	2550		MUDSTONE + SANDSTONE				
	2550	2580		COAL				
	2580	3000		SANDSTONE				
K	GL	400	4m	Fill				
11	400	450		COAL				
	450	2600		MUDSTONE + SANDSTONE				
	2600	2630		COAL				
	2630	3000		SANDSTONE				
O	GL	400	4m	Fill				
13	400	500		MUDSTONE				
	500	650		COAL + MUDSTONE				
	650	2440		MUDSTONE + SANDSTONE				
	2440	2480		COAL				
	2480	3000		SANDSTONE				

REMARKS:

GAS MONITORING

CH₄: 0 % LEL H₂S: 0 PPM
CO: 0 PPM O₂: 20.9 %
NOTES: CO₂ 0

R.E./SUPERVISOR

DELIVERY

TICKET No.

QUANTITY

DAILY SITE RECORD

34

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M	GL	400	4m	fill				
13	400	450		MUDSTONE				
	450	550		COAL				
	550	2420		MUDSTONE + SANDSTONE				
	2420	2460		COAL				
	2460	3000		SANDSTONE				
K	GL	400	4m	fill				
13	400	430		MUDSTONE				
	430	530		COAL				
	530	2430		MUDSTONE + SANDSTONE				
	2430	2460		COAL				
	2460	3000		SANDSTONE				
N	GL	400	4m	fill				
12	400	500		MUDSTONE				
	500	580		COAL				
	580	2480		MUDSTONE + SANDSTONE				
	2480	2510		COAL				
	2510	3000		SANDSTONE				
L	GL	370	4m	fill				
12	370	510		MUDSTONE				
	510	600		COAL				
	600	2500		MUDSTONE + SANDSTONE				
	2500	2530		COAL				
	2530	3000		SANDSTONE				

[illegible][illegible]

SITE / JOB No.	Don Street	DAY / DATE	26-1-23	DRILLER	Lach Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
G11	GL	4	4	Fill				
	4	4.50		Coal				
	4.50	26.60		mudstone				
	26.60	27		Coal				
	27	30		mudstone				
G13	GL	4	4	Fill				
	4	4.50		Coal				
	4.50	26.50		mudstone				
	26.50	27		Coal				
	27	30		mudstone				
E9	GL	4	4	Fill				
	4	4.40		Coal				
	4.40	26.60		mudstone				
	26.60	27		Coal				
	27	30		mudstone				
E11	GL	4	4	Fill				
	4	4.50		Coal				
	4.50	26.50		mudstone				
	26.50	27		Coal				
	27	30		mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : C % LEL	H ₂ S : C PPM
	CO : C PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

36-

SITE / JOB No.	Don Street	DAY / DATE	26 - 1 - 23	DRILLER	Leesh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I 9	GL	4	4	Fill				
	4	4.60		Coal				
	4.60	26.60		mudstone				
	26.60	27		Coal				
	27	30		mudstone				
I 11	GL	4	4	Fill				
	4	4.50		Coal				
	4.50	26.50		mudstone				
	26.50	27		Coal				
	27	30		mudstone				
I 13	GL	4	4	Fill				
	4	4.60		Coal				
	4.60	26.60		mudstone				
	26.60	27		Coal				
	27	30		mudstone				
G9	GL	4	4	Fill				
	4	4.40		Coal				
	4.40	26.70		mudstone				
	26.70	27.10		Coal				
	27.10	30		mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: C	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

33

SITE / JOB NO.	DON STREET	DAY / DATE	THURSDAY 26/1/23	DRILLER	CHURCHMAN J
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
0	GL	300	4m	Fill + Drift				
11	300	520		MUDSTONE				
	520	700		COAL + MUDSTONE				
	700	3000		MUDSTONE + SANDSTONE				
M	GL	360	4m	Fill				
11	360	550		MUDSTONE				
	550	720		COAL + MUDSTONE				
	720	2550		MUDSTONE + SANDSTONE				
	2550	2580		COAL				
	2580	3000		SANDSTONE				
K	GL	400	4m	Fill				
11	400	450		COAL				
	450	2600		MUDSTONE + SANDSTONE				
	2600	2630		COAL				
	2630	3000		SANDSTONE				
0	GL	400	4m	Fill				
13	400	500		MUDSTONE				
	500	650		COAL + MUDSTONE				
	650	2440		MUDSTONE + SANDSTONE				
	2440	2480		COAL				
	2480	3000		SANDSTONE				

REMARKS:	GAS MONITORING		
	$\text{CH}_4 :$	% LEL	$\text{H}_2\text{S} :$ PPM
	$\text{CO} :$	PPM	$\text{O}_2 :$ %
	NOTES:		
..... R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

34

SITE / JOB No.	DON STREET	DAY / DATE	THURSDAY 26/1/23	DRILLER	C. B. Williams
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M	GL	400	4m	fill				
13	400	450		MUDSTONE				
	450	550		COAL				
	550	2420		MUDSTONE + SANDSTONE				
	2420	2460		COAL				
	2460	3000		SANDSTONE				
K	GL	400	4m	fill				
13	400	430		MUDSTONE				
	430	530		COAL				
	530	2430		MUDSTONE + SANDSTONE				
	2430	2460		COAL				
	2460	3000		SANDSTONE				
N	GL	400	4m	fill				
12	400	500		MUDSTONE				
	500	580		COAL				
	580	2480		MUDSTONE + SANDSTONE				
	2480	2510		COAL				
	2510	3000		SANDSTONE				
L	GL	370	4m	fill				
12	370	510		MUDSTONE				
	510	600		COAL				
	600	2500		MUDSTONE + SANDSTONE				
	2500	2530		COAL				
	2530	3000		SANDSTONE				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
	NOTES: CO ₂	
..... R.E./SUPERVISOR		

[illegible]

SITE / JOB No.	Don Street	DAY / DATE	26 - 1 - 23	DRILLER	Lach Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
G11	GL	4	4	Fill				
	4	4.50		Coal				
	4.50	26.60		mudstone				
	26.60	27		Coal				
	27	30		mudstone				
G13	GL	4	4	Fill				
	4	4.50		Coal				
	4.50	26.50		mudstone				
	26.50	27		Coal				
	27	30		mudstone				
E9	GL	4	4	Fill				
	4	4.40		Coal				
	4.40	26.60		mudstone				
	26.60	27		Coal				
	27	30		mudstone				
E11	GL	4	4	Fill				
	4	4.50		Coal				
	4.50	26.50		mudstone				
	26.50	27		Coal				
	27	30		mudstone				

[illegible][illegible]

DAILY SITE RECORD

36-

SITE / JOB No.	Don Street	DAY / DATE	26 - 1 - 23	DRILLER	Leesh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I 9	GL	4	4	Fill				
	4	4.60		Coal				
	4.60	26.60		mudstone				
	26.60	27		Coal				
	27	30		mudstone				
I 11	GL	4	4	Fill				
	4	4.50		Coal				
	4.50	26.50		mudstone				
	26.50	27		Coal				
	27	30		mudstone				
I 13	GL	4	4	Fill				
	4	4.60		Coal				
	4.60	26.60		mudstone				
	26.60	27		Coal				
	27	30		mudstone				
G9	GL	4	4	Fill				
	4	4.40		Coal				
	4.40	26.70		mudstone				
	26.70	27.10		Coal				
	27.10	30		mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: 0	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

37

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
O	GL	350	4m	Fill				
15	350	470		MUDSTONE				
	470	600		COAL + MUDSTONE				
	600	2420		MUDSTONE + SANDSTONE				
	2420	2460		COAL				
	2460	3000		SANDSTONE				
M	GL	400	4m	Fill				
15	400	450		COAL				
	450	2410		MUDSTONE + SANDSTONE				
	2410	2440		COAL				
	2440	3000		SANDSTONE				
K	GL	380	4m	Fill				
15	380	430		COAL				
	430	2380		MUDSTONE + SANDSTONE				
	2380	2410		COAL				
	2410	3000		SANDSTONE				
N	GL	400	4m	Fill				
14	400	430		COAL				
	430	2360		MUDSTONE + SANDSTONE				
	2360	2790		COAL				
	2790	3000		SANDSTONE				
L	GL	400	4m	Fill				
14	400	450		COAL				
	450	2350		MUDSTONE + SANDSTONE				
	2350	2400		COAL				
	2400	3000		SANDSTONE				

REMARKS:	GAS MONITORING		
	CH ₄ :	8 % LEL	H ₂ S : 0 PPM
	CO :	8 PPM	O ₂ : 20.9 %
	NOTES:		

[illegible]

DAILY SITE RECORD

38

SITE / JOB NO.	Leigh Smith	DAY / DATE	27-1-23	DRILLER	Leigh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
F			4					
10	GL	4		Fill				
	4	4.60		Coc				
	4.60	26.70		mudstone				
	26.70	27.10		Coc				
	27.10	30		mudstone				
F			4					
12	GL	4		Fill				
	4	4.40		Coc				
	4.40	26.60		mudstone				
	26.60	27		Coc				
	27	30		mudstone				
H			4					
10	GL	4		Fill				
	4	4.50		Coc				
	4.50	26.50		mudstone				
	26.50	27		Coc				
	27	30		mudstone				
H			4					
12	GL	4		Fill				
	4	4.60		Coc				
	4.60	26.60		mudstone				
	26.60	27		Coc				
	27	30		mudstone				

[illegible][illegible]

SITE / JOB NO.	Leigh Smith	DAY / DATE	27-1-23	DRILLER	Leigh Smith
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[illegible][illegible][illegible]

Tel: 01902 885241

40

DAILY SITE RECORD

SITE / JOB No.	Don STREET	DAY / DATE	Monday 30/1/23	DRILLER	C. Llewellyn Jones
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
0	GL	380	4m	fill				
17	380	470		COAL				
	470	2320		MUDSTONE + SANDSTONE				
	2320	2350		COAL				
	2350	3000		SANDSTONE				
Q	GL	350	4m	fill				
17	350	470		MUDSTONE				
	470	630		COAL + MUDSTONE				
	630	2360		MUDSTONE + SANDSTONE				
	2300	2340		COAL				
	2340	3000		SANDSTONE				
S	GL	350	4m	fill				
17	350	650		MUDSTONE				
	650	800		COAL + MUDSTONE				
	800	3000		MUDSTONE + SANDSTONE				
P	GL	350	4m	fill				
18	350	650		MUDSTONE				
	650	770		COAL + MUDSTONE				
	770	2300		MUDSTONE + SANDSTONE				
	2300	2330		COAL				
	2330	3000		SANDSTONE				
R	GL	350	4m	fill				
18	350	650		MUDSTONE				
	650	810		COAL + MUDSTONE				
	810	3000		MUDSTONE + SANDSTONE				

REMARKS:	GAS MONITORING					
	CH ₄ :	<u>0</u>	% LEL	H ₂ S :	<u>0</u>	PPM
	CO :	<u>0</u>	PPM	O ₂ :	<u>20.9</u>	%
	NOTES:					
..... R.E./SUPERVISOR						

[illegible]

DAILY SITE RECORD

41

SITE / JOB NO.	DON STREET	DAY / DATE	MONDAY 30/11/23	DRILLER	C. B. [Signature]
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
S	GL	700	8m	SOFT DRILLING				
19	700	3000		SLIGHT MUDSTONE RETURNS				
Q	GL	350	4m	fill				
19	350	400		MUDSTONE				
	400	550		COAL + MUDSTONE				
	550	3000		MUDSTONE + SANDSTONE				
O	GL	350	4m	fill				
19	350	400		MUDSTONE				
	400	480		COAL				
	480	2350		MUDSTONE + SANDSTONE				
	2350	2380		COAL				
	2380	3000		MUDSTONE + SANDSTONE				
P	GL	400	4m	fill				
20	400	510		COAL + MUDSTONE				
	510	3000		MUDSTONE + SANDSTONE				
R	GL	400	4m	fill				
20	400	450		MUDSTONE				
	450	530		COAL				
	530	2320		MUDSTONE + SANDSTONE				
	2320	2350		COAL				
	2350	3000		SANDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

42

SITE / JOB NO.	DON STREET	DAY / DATE	Monday 30/1/23	DRILLER	C. BURNHAM Inc
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REMARKS:	GAS MONITORING CH₄ : 0 % LEL H₂S : 0 PPM CO : 0 PPM O₂ : 20.9 % NOTES: 0.3	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">DELIVERY</th> <th style="width: 33%;">TICKET No.</th> <th style="width: 33%;">QUANTITY</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	DELIVERY	TICKET No.	QUANTITY																								
DELIVERY	TICKET No.	QUANTITY																											
..... R.E./SUPERVISOR																													

DAILY SITE RECORD

Tel: 01902 885241

43

SITE / JOB No.	Don Street	DAY / DATE	30-1-23	DRILLER	Leigh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
G 19	GL	4	4	Fill				
	4	20		mudstone				
	20	20.80		Coal				
	20.80	30		mudstone				
E19	GL	4	4	Fill				
	4	20.10		mudstone				
	20.10	20.80		Coal				
	20.80	30		mudstone				
G 21	GL	4	4	Fill				
	4	20		mudstone				
	20	20.70		Coal				
	20.70	30		Sandstone				
G 23	GL	4	4	Fill				
	4	19		mudstone				
	19	19.80		Coal				
	19.80	35		Sandstone				
E 21	GL	4	4	Fill				
	4	20		mudstone				
	20	20.80		Coal				
	20.80	30		Sandstone				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM	
	CO: 0 PPM	O ₂ : 20.9 %	
NOTES:			
			R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

44

SITE / JOB NO.	Don Street	DAY / DATE	30 - 1 - 23	DRILLER	Leigh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
E			4					
13	GL	4		Fill				
	4	4.50		Coal				
	4.50	26.70		mudstone				
	26.70	27		Coal				
	27	30		mudstone				
G			4					
17	GL	4		Fill				
	4	20.80		mudstone				
	20.80	21.50		Coal				
	21.50	30		mudstone				
E			4					
17	GL	4		Fill				
	4	20.80		mudstone				
	20.80	21.30		Coal				
	21.30	30		mudstone				
I			4					
19	GL	4		Fill				
	4	20		mudstone				
	20	20.80		Coal				
	20.80	30		mudstone				

[illegible][illegible]

DAILY SITE RECORD

45

SITE / JOB No.	Don Street	DAY / DATE	30-1-23	DRILLER	Leigh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I			4					
23	GL	4		Fill				
	4	19		mudstone				
	19	19.80		Coal				
	19.80	30		Sandstone				
I			4					
21	GL	4		Fill				
	4	20		mudstone				
	20	20.70		Coal				
	20.70	30		Sandstone				
F			4					
18	GL	4		Fill				
	4	20.50		mudstone				
	20.50	21.20		Coal				
	21.20	30		mudstone				

[illegible][illegible]

DAILY SITE RECORD

Tel: 01902 885241

46

SITE / JOB NO.	DON STREET	DAY / DATE	TUESDAY 3/11/23	DRILLER	C. Sullivan
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q	GL	600	6m	fill				
21	600	700		COAL				
	700	2350		MUDSTONE + SANDSTONE				
	2350	2400		COAL				
	2400	3000		SANDSTONE				
O	GL	400	4m	fill				
21	400	550		MUDSTONE				
	550	630		COAL				
	630	2370		MUDSTONE + SANDSTONE				
	2370	2410		COAL				
	2410	3000		SANDSTONE				
R	GL	350	4m	fill				
12	350	3000		MUDSTONE + SANDSTONE				
Q	GL	350	4m	fill				
9	350	3000		MUDSTONE + SANDSTONE				
N	GL	350	4m	fill				
6	350	550		MUDSTONE				
	550	680		COAL				
	680	3000		MUDSTONE + SANDSTONE				
J	GL	300	4m	fill				
6	300	460		MUDSTONE				
	460	580		COAL				
	580	3000		MUDSTONE + SANDSTONE				

[illegible][illegible]

47

SITE / JOB No.	DON STREET	DAY / DATE	TUESDAY 3/11/23	DRILLER	C. BURNHAM JR.
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[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB NO.	DON STREET	DAY / DATE	TUESDAY 3.17.23	DRILLER	C. Buchanan Inc
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

40

SITE / JOB NO.	Don Street	DAY / DATE	31-1-23	DRILLER	Leeah Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
H 20	GL	4	4	Fill				
	4	19.70		mudstone				
	19.70	20.50		Coal				
	20.50	30		mudstone				
H 18	GL	4	4	Fill				
	4	20.70		mudstone				
	20.70	21.50		Coal				
	21.50	30		mudstone				
G 29	GL	6	6	Fill & drift				
	6	9.10		mudstone				
	9.10	9.50		Coal				
	9.50	35		mudstone				
I 29	GL	6	6	Fill & drift				
	6	9.30		mudstone				
	9.30	9.70		Coal				
	9.70	30		mudstone				
G 31	GL	7	7	Fill & drift				
	7	7.60		Coal				
	7.60	30		mudstone				

[illegible][illegible]

Tel: 01902 885241

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51

SITE / JOB No.	Don Street	DAY / DATE	31-1-23	DRILLER	Leegh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I			7					
31	GL	7		Fill & drift				
	7	7.5C		Coc.				
	7.5C	30		mudstone				
G			6					
27	GL	6		Fill & drift				
	6	12		mudstone				
	12	12.6C		Coc.				
	12.6C	30		mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO: 0 PPM	O ₂ : 20.9 %
	NOTES: 0	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

Tel: 01902 885241

52

SITE / JOB NO.	DON STREET	DAY / DATE	WEDNESDAY 1/2/23	DRILLER	C. BILLINGHAM JR.
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
S	GL	550	6m	fill				
23	550	600		MUDSTONE				
	600	650		COAL				
	650	2250		MUDSTONE + SANDSTONE				
	2250	2280		COAL				
	2280	3000		SANDSTONE				
Q	GL	600	6m	fill				
23	600	2200		MUDSTONE + SANDSTONE				
	2200	2250		COAL				
	2250	3000		SANDSTONE				
O	GL	600	6m	fill				
23	600	2260		MUDSTONE + SANDSTONE				
	2260	2300		COAL				
	2300	3000		SANDSTONE				
P	GL	600	6m	fill				
24	600	2270		MUDSTONE + SANDSTONE				
	2270	2310		COAL				
	2310	3000		SANDSTONE				
R	GL	650	8m	fill				
24	650	2300		MUDSTONE + SANDSTONE				
	2300	2330		COAL				
	2330	3000		SANDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO : 0 PPM	O ₂ 20.9 %
	NOTES: CO ₂ 0	
	R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

53

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q	QIL	650	8m	fill				
25	650	2200		MUDSTONE + SANDSTONE				
	2200	2230		COAL				
	2230	3000		SANDSTONE				
Q	QIL	700	8m	fill				
25	700	2180		MUDSTONE + SANDSTONE				
	2180	2210		COAL				
	2210	3000		SANDSTONE				
S	QIL	700	8m	fill				
25	700	2200		MUDSTONE + SANDSTONE				
	2200	2230		COAL				
	2230	3000		SANDSTONE				
P	QIL	650	8m	fill				
26	650	2250		MUDSTONE + SANDSTONE				
	2250	2280		COAL				
	2280	3000		SANDSTONE				
R	QIL	600	6m	fill				
26	600	2260		MUDSTONE + SANDSTONE				
	2260	2300		COAL				
	2300	3000		SANDSTONE				
S	QIL	750	8m	fill				
27	750	2170		MUDSTONE + SANDSTONE				
	2170	2200		COAL				
	2200	3000		SANDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

54-

SITE / JOB NO.	DON STREET	DAY / DATE	WEDNESDAY 11/2/22	DRILLER	C. BILLINGHAM JR.
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 8 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

55

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56

SITE / JOB NO.	Don Street	DAY / DATE	1 - 2 - 23	DRILLER	Lough Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
H 32	GL 8	8 30	8	Fill & drift Sandstone				
J 30	GL 6 8 8.40	6 8 8.40 30	6	Fill & drift Sandstone Coal Sandstone				
J 28	GL 5 9 9.60	5 9 9.60 30	5	Fill Sandstone Coal Sandstone				
M 29	GL 6 20.20 20.20 20.60	6 20.20 20.60 30	6	Fill & drift Sandstone Coal mudstone				
O 29	GL 7 20.40 20.40 20.80	7 20.40 20.80 30	7	Fill & drift Sandstone Coal mudstone				

[illegible][illegible]

DAILY SITE RECORD

57

SITE / JOB No.	Don Street	DAY / DATE	1-2-23	DRILLER	Leigh Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q			7					
29	GL	7		Fill & clayft				
	7	30		Sandstone				
S			7					
29	GL	7		Fill & clayft				
	7	20.60		Sandstone				
	20.60	21		Coal				
	21	30		mudstone				

[illegible][illegible]

DAILY SITE RECORD

G20

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				Grouting Mix 10-1		PFA - 0%		
				BH nos.				
				BE113 BU103 BA101				
				BE111 AU101 BA103				
				BE109 AU99 BE107				
				BC103 AW103 BB106				
				BC111 AW101 AY107				
				BC109 AU99 BB116				
				BA113 AY103 BT130				
				BA111 AY101 BR132				
				BA109 AY99				
				AX110 BA99				
				TOTAL		5.5 TON		
						5.5 TON		

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
..... R.E./SUPERVISOR				

DELIVERY	TICKET No.	QUANTITY
	S	

DAILY SITE RECORD

G21

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				Grouting Mix 10-1		PFA-ol		
				Blue! BW95 BW153 BE137 BY101 BM147 BW105 CC137 BW115 CA137 BW125 BY137 BY125 BB124 CA125 BB126 CC125 BO135				
				} 44 1605		3.45		
				TOTAL		3.45		

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
	 R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

G-14

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				Grouting Mix 10-1	PFA-02			
				Blends: R24 Q29 W25 AC49 G25 M29 Y25 AC49 S25 Q29 W27 AB50 Q25 S29 W29 Z52 R26 Q27 K30 AC47 R26 V24 R30 S27 V26 R30 Q27 G29 AC49 } AC Port				
								4.6T
				TOTAL				4.6T.

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
..... R.E./SUPERVISOR				

[illegible]

DAILY SITE RECORD

SITE /
JOB No.

Now 55

DAY /
DATE

Fr. 6-1-23

DRILLER

S ALLEN

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				Grout Mix only				
				BH#1 AESS WSS ACSS USS AASS SSS YSS				
				} 24 175				0.65
				TOTAL				0.65
				(ABOVE BH'S ARE APPROXIMATE POSITIONS ON THE GRID.)				

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
..... R.E./SUPERVISOR				

DELIVERY	TICKET No.	QUANTITY
OK	ymis 5.00x	1.5T
	S	

Tel: 01902 885241

92

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				Grouting Mix 10-1 PFA -ok				
				BH no: BC103 BK111 BC101 BK109 BC 99 BK113 BD102 BE113 BD100 BE111 BE101 BE109 BE103 BG109 BE 99 BG111 BF100 BG113 BF102 BH110 BK112 BS110 } An Tur.				
								3.3m
				TOTAL				3.3m

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
..... R.E./SUPERVISOR				

[illegible]

DAILY SITE RECORD

915

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				Grouting Mix 10-1 PFA - OK				
				Bulls:				
				Y27 AC31 AC27 AF30				
				Y29 AEL47 AE27				
				AA29 AG47 AG27				
				AA27 AIL47 AN28				
				AA25 AD46 AF28				
				X26 AD48 AC29				
				X28 AFL46 AE29				
				Z26 AFL48 AG29				
				Z28 AEL45 AN30				
				TOTAL				

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

Q16

SITE / JOB No.	Don St minkerton	DAY / DATE	Tue 7-2-23	DRILLER	SALLIEN
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				Grouting Mix 10-1		PFA - 0.2		
				Blends: AG45 AE31 Y45 AG31 W45 AE31 U45 K9 Y43 M9 W43 O9 U43 S10 Y41 L10 W41 N10 U41 U39 WTS. } An Plus				
						3.3		
				TOTAL		3.5 T.		

REMARKS:	GAS MONITORING	
	CH₄ :	% LEL H₂S : PPM
	CO :	PPM O₂ : %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

917

SITE / JOB NO.	DOW ST MIDDLETON	DAY / DATE	Wed 8-2-23	DRILLER	S ALLEN
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				GROUTING Mix 10-1	PFA-02			
				BH 205 Y39 AG33 AE35 Y37 AG33 AG35 W37 AF34 AI35 V37 AH34 AF36 V44 Q15 AH36 X44 S15 V42 P16 X42 R16 V40 E23 X40 E25 X36 E27 V36 F22	44 1205			
				TOTAL	4.4 TO W			

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
..... R.E./SUPERVISOR				

[illegible]

DAILY SITE RECORD

G18

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				GROUTING MIX 10-1 PFA -OR-				
BH No:-				AE37 AE41 F26 AG37 Y35 H26 AI37 W35 AF38 U35 AH38 U33 AE39 W33 AG39 Y33 AI39 V34 AF40 X34 AH40 F24				
				TOTAL				

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
..... R.E./SUPERVISOR				

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

9/9.

SITE / JOB NO.	Don ST middle row	DAY / DATE	FR. 10-2-23	DRILLER	S. ALLEN
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				Grouting Mix 16-1 PFA - 02				
				Blue: AG41 AL78 R32 AI41 AS76 Q31 AF42 AH74 Q33 AH42 AG71 AG43 T32 O31 AE43 S31 O33 AI43 S33 M31 M33				
				} Au Pour				3.3 T.
				TOTAL				3.3 Tons

[illegible][illegible]

DAILY SITE RECORD

93

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				GROUTING MIX 10-1 PFA -OR-				
			BH No:-					
			BG99 BJ112	{	All That			
			BG101 BK107					
			BG103 BM109					
			BH102 BM111					
			BH100 BM113					
			BI103 BL110					
			BI101 BL112					
			BI99 BD113					
			BS100 BD111	{				
			BS102 BD109					
			BK99 BN110					
			BK101 BW112.					
			BK103					
			BL102					
			BL100					
			BM103					
			BM101	TOTAL				
						4.4T		
						4.4TON		

DELIVERY	TICKET No.	QUANTITY
	S	

94

DAILY SITE RECORD

SITE / JOB NO.	Don St middle row	DAY / DATE	Mon 16-1-23	DRILLER	S ALLEN.
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				Grouting Mix 10-1 PFA -ok				
				BH009 BH010 BH100 BH011 BH102 BH013 BH099 BH112 BH001 BH110 BH103 BH115 BH100 BH115 BH102 BH115 BH103 BH117 BH101 BH117 BH099 BH117				
				} AM } 17005				
								3.35
				TOTAL				3.35

[illegible][illegible]

DAILY SITE RECORD

95

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
	(AREAS.)							
				Concrete M _x 10-1	PFA - 2			
	BUNO 3			BL100 BM119 BL102 BK119 BS99 BK119 BS103 BK121 BS101 BK121 BL105 BM121 BE105 BK115 BG105 BK117 BI105 BK119 BK105 BK121 BM105 BL116.				
				} HY				
				} Flow				
					3.35			
				TOTAL	3.35			

[illegible]

DAILY SITE RECORD

SITE / JOB No.	1005 M. D. METAN	DAY / DATE	Wed 18-1-23	DRILLER	SALLEN
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				GROUTING MIX 10-1 PEA-OIL				
BH 101				BL118 BP118 BL120 BP116 BL122 BN106 BN122 BQ167 BN120 BT116 BT118 BO105 BO116 BQ105 BP122 BN104 BP120 BF104 BF104 BS104 BS104 BP104.				
				} AM Flow				
							3.3T	
				TOTAL			3.3 ton	

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
..... R.E./SUPERVISOR				

DELIVERY	TICKET No.	QUANTITY
PEA .	62554	19.40
	S	

G 11

DAILY SITE RECORD

SITE / JOB NO.	Don Si middle row	DAY / DATE	Mon 30-1-23	DRILLER	S Allen
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[illegible]

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
MOVED WATER TANK AREA 5 TO AREA 3  R.E./SUPERVISOR				

DELIVERY	TICKET No.	QUANTITY
PKA	62606	1970
OK	YMA 6000	1.5T.

Tel: 01902 885241

DAILY SITE RECORD

912

SITE / JOB NO.	1700 ST MIDDLETON	DAY / DATE	Tues 3-1-23	DRILLER	SALLEN
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				GROUTING Mix 10-1		PEA - OK		
	BH#01:			R18 G19 I23 K3 R18 E19 I21 S19 G21 F18 Q19 G23 Q21 O19 E21 O21 P20 E13 R12 R20 G17 Q9 T16 E17 N6 S21 I19 J6				
				} AM				
				} TBUT				
						L+LRT		
				TOTAL.		L+LRT		

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
	 R.E./SUPERVISOR			

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

9 13

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				Grouting Mix 10-1		PFA - OK		
				Bluno: U19 H20 F20 V22 H18 I31 R22 G29 G27 P22 I29 S30 S18 G31 S28 I27 G25 S23 F30 I25 Q23 F28 H24 Q23 H30 H22 P24 H28 H32 } AM THOSE				
						4.45		
				TOTAL		4.4100		

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
..... R.E./SUPERVISOR				

[illegible]

Job

Don Street, Middleton

job no.

138.21

Sheet No.	Date	Borehole	Set Up	Drill Depth (m)	Casing (m)	Grout Take (t)
SI1	05/01/2023	BH1-AE55	1	30.0	12.0	0.08
SI1	05/01/2023	BH2-AC55	1	30.0	12.0	0.08
SI1	05/01/2023	BH3-AA55	1	30.0	12.0	0.08
SI1	05/01/2023	BH4-Y55	1	30.0	12.0	0.09
SI1	05/01/2023	BH5-W55	1	30.0	14.0	0.09
SI1	05/01/2023	BH6-U55	1	30.0	14.0	0.09
SI1	05/01/2023	BH7-S55	1	30.0	14.0	0.09
1	11/01/2023	BC103	1	30.0	24.0	0.15
1	11/01/2023	BC101	1	30.0	24.0	0.15
1	11/01/2023	BC99	1	30.0	24.0	0.15
1	11/01/2023	BD102	1	30.0	24.0	0.15
1	11/01/2023	BD100	1	30.0	24.0	0.15
1	11/01/2023	BE103	1	30.0	24.0	0.15
1	11/01/2023	BE101	1	30.0	24.0	0.15
1	11/01/2023	BE99	1	30.0	24.0	0.15
2	11/01/2023	BF100	1	30.0	28.0	0.15
2	11/01/2023	BF102	1	30.0	28.0	0.15
2	11/01/2023	BG99	1	30.0	28.0	0.15
2	11/01/2023	BG101	1	30.0	28.0	0.15
3	11/01/2023	BK111	1	30.0	25.0	0.15
3	11/01/2023	BK109	1	30.0	25.0	0.15
3	11/01/2023	BK113	1	30.0	25.0	0.15
3	11/01/2023	BI109	1	30.0	25.0	0.15
3	11/01/2023	BI111	1	30.0	25.0	0.15
3	11/01/2023	BI113	1	30.0	26.0	0.15
4	11/01/2023	BG109	1	30.0	26.0	0.15
4	11/01/2023	BG111	1	30.0	26.0	0.15
4	11/01/2023	BG113	1	30.0	26.0	0.15
4	11/01/2023	BH110	1	30.0	25.0	0.15
4	11/01/2023	BH112	1	30.0	26.0	0.15
4	11/01/2023	BJ110	1	30.0	25.0	0.15
5	12/01/2023	BG103	1	30.0	26.0	0.15
5	12/01/2023	BH102	1	30.0	28.0	0.15
5	12/01/2023	BH100	1	30.0	26.0	0.15
5	12/01/2023	BI103	1	30.0	28.0	0.15
5	12/01/2023	BI101	1	30.0	26.0	0.15
5	12/01/2023	BI99	1	30.0	26.0	0.15
5	12/01/2023	BJ100	1	30.0	28.0	0.15
5	12/01/2023	BJ102	1	30.0	26.0	0.15
5	12/01/2023	BK99	1	30.0	26.0	0.15
6	12/01/2023	BK101	1	30.0	26.0	0.15
6	12/01/2023	BK103	1	30.0	26.0	0.15
6	12/01/2023	BL102	1	30.0	25.0	0.15
7	12/01/2023	BJ112	1	30.0	26.0	0.15
7	12/01/2023	BK107	1	30.0	26.0	0.15
7	12/01/2023	BM109	1	30.0	26.0	0.15
7	12/01/2023	BM111	1	30.0	26.0	0.15
7	12/01/2023	BM113	1	30.0	26.0	0.15
7	12/01/2023	BL110	1	30.0	26.0	0.15
7	12/01/2023	BL112	1	30.0	25.0	0.15
8	12/01/2023	BO113	1	30.0	26.0	0.15
8	12/01/2023	BO111	1	30.0	26.0	0.15
8	12/01/2023	BO109	1	30.0	25.0	0.15
8	12/01/2023	BN110	1	30.0	25.0	0.16
8	12/01/2023	BN112	1	30.0	26.0	0.16
9	13/01/2023	BL100	1	30.0	26.0	0.16
9	13/01/2023	BM103	1	30.0	28.0	0.16
9	13/01/2023	BM101	1	30.0	28.0	0.16
9	13/01/2023	BM99	1	30.0	28.0	0.15
9	13/01/2023	BN100	1	30.0	28.0	0.15
10	13/01/2023	BQ109	1	30.0	27.0	0.15
10	13/01/2023	BQ111	1	30.0	27.0	0.15

10	13/01/2023	BQ113	1	30.0	27.0	0.15
10	13/01/2023	BP112	1	30.0	27.0	0.15
10	13/01/2023	BP110	1	30.0	27.0	0.15
11	16/01/2023	BM115	1	30.0	26.0	0.15
11	16/01/2023	BO115	1	30.0	26.0	0.15
11	16/01/2023	BQ115	1	30.0	27.0	0.15
11	16/01/2023	BQ117	1	30.0	26.0	0.15
11	16/01/2023	BO117	1	30.0	26.0	0.15
11	16/01/2023	BM117	1	35.0	27.0	0.15
11	16/01/2023	BM119	1	30.0	26.0	0.15
12	16/01/2023	BO119	1	30.0	27.0	0.15
12	16/01/2023	BQ119	1	30.0	27.0	0.15
12	16/01/2023	BQ121	1	30.0	27.0	0.15
12	16/01/2023	BO121	1	30.0	26.0	0.15
12	16/01/2023	BM121	1	30.0	27.0	0.15
13	16/01/2023	BN102	1	30.0	28.0	0.15
13	16/01/2023	BO99	1	30.0	28.0	0.15
13	16/01/2023	BO101	1	30.0	28.0	0.15
13	16/01/2023	BO103	1	30.0	28.0	0.15
13	16/01/2023	BP100	1	30.0	28.0	0.15
13	16/01/2023	BP102	1	30.0	28.0	0.15
13	16/01/2023	BQ103	1	30.0	30.0	0.15
13	16/01/2023	BQ101	1	30.0	28.0	0.15
13	16/01/2023	BQ99	1	30.0	28.0	0.15
14	16/01/2023	BR100	1	35.0	30.0	0.15
14	16/01/2023	BR102	1	30.0	28.0	0.15
14	16/01/2023	BS99	1	30.0	28.0	0.15
15	17/01/2023	BS103	1	30.0	28.0	0.15
15	17/01/2023	BS101	1	30.0	28.0	0.15
15	17/01/2023	BC105	1	30.0	28.0	0.15
15	17/01/2023	BE105	1	30.0	28.0	0.15
15	17/01/2023	BG105	1	30.0	28.0	0.15
15	17/01/2023	BI105	1	30.0	28.0	0.15
15	17/01/2023	BK105	1	30.0	28.0	0.15
15	17/01/2023	BM105	1	30.0	28.0	0.15
15	17/01/2023	BO105	1	30.0	28.0	0.15
15	17/01/2023	BQ105	1	30.0	28.0	0.15
16	17/01/2023	BD104	1	30.0	28.0	0.15
16	17/01/2023	BF104	1	30.0	28.0	0.15
17	17/01/2023	BK115	1	30.0	27.0	0.15
17	17/01/2023	BK117	1	30.0	27.0	0.15
17	17/01/2023	BK119	1	30.0	27.0	0.15
17	17/01/2023	BK121	1	30.0	27.0	0.15
17	17/01/2023	BL116	1	30.0	27.0	0.15
17	17/01/2023	BL118	1	30.0	27.0	0.15
17	17/01/2023	BL120	1	30.0	27.0	0.15
18	17/01/2023	BL122	1	30.0	27.0	0.15
18	17/01/2023	BN122	1	30.0	27.0	0.15
18	17/01/2023	BN120	1	30.0	27.0	0.15
18	17/01/2023	BN118	1	30.0	26.0	0.15
18	17/01/2023	BN116	1	30.0	27.0	0.15
19	18/01/2023	BH104	1	30.0	28.0	0.15
19	18/01/2023	BJ104	1	30.0	28.0	0.15
19	18/01/2023	BL104	1	30.0	28.0	0.15
19	18/01/2023	BN104	1	30.0	28.0	0.15
19	18/01/2023	BP104	1	30.0	28.0	0.15
19	18/01/2023	BU101	1	35.0	28.0	0.15
19	18/01/2023	BW101	1	30.0	28.0	0.15
19	18/01/2023	BY101	1	30.0	28.0	0.15
19	18/01/2023	BV100	1	30.0	28.0	0.15
19	18/01/2023	BX100	1	30.0	28.0	0.15
20	18/01/2023	BU99	1	30.0	28.0	0.15
20	18/01/2023	BW99	1	30.0	28.0	0.15
21	18/01/2023	BP122	1	30.0	27.0	0.15
21	18/01/2023	BP120	1	30.0	27.0	0.15

21	18/01/2023	BP118	1	30.0	27.0	0.15
21	18/01/2023	BP116	1	30.0	27.0	0.15
21	18/01/2023	BN106	1	30.0	27.0	0.15
21	18/01/2023	BQ107	1	30.0	27.0	0.15
21	18/01/2023	BT110	1	30.0	27.0	0.15
22	18/01/2023	BS113	1	30.0	27.0	0.15
22	18/01/2023	BU115	1	30.0	27.0	0.15
22	18/01/2023	BU117	1	30.0	27.0	0.15
22	18/01/2023	BW115	1	35.0	28.0	0.15
22	18/01/2023	BW117	1	30.0	28.0	0.15
23	19/01/2023	BY99	1	30.0	28.0	0.15
23	19/01/2023	BV98	1	30.0	28.0	0.15
23	19/01/2023	BX98	1	30.0	28.0	0.15
23	19/01/2023	BU97	1	30.0	28.0	0.15
23	19/01/2023	BW97	1	30.0	28.0	0.15
23	19/01/2023	BY97	1	30.0	28.0	0.15
23	19/01/2023	BV96	1	30.0	28.0	0.15
23	19/01/2023	BX96	1	30.0	28.0	0.15
23	19/01/2023	BU95	1	30.0	28.0	0.15
23	19/01/2023	BW95	1	35.0	28.0	0.15
24	19/01/2023	BY95	1	30.0	28.0	0.15
24	19/01/2023	BV94	1	30.0	28.0	0.16
25	19/01/2023	BY115	1	30.0	28.0	0.15
25	19/01/2023	BY117	1	30.0	28.0	0.15
25	19/01/2023	CA115	1	30.0	27.5	0.15
25	19/01/2023	CA117	1	35.0	28.0	0.15
25	19/01/2023	CC115	1	30.0	28.0	0.16
25	19/01/2023	CC117	1	30.0	28.0	0.16
25	19/01/2023	CB116	1	30.0	28.0	0.16
26	19/01/2023	BZ116	1	30.0	28.0	0.16
26	19/01/2023	BX116	1	30.0	28.0	0.16
26	19/01/2023	BV116	1	30.0	28.0	0.16
26	19/01/2023	BU113	1	30.0	28.0	0.16
26	19/01/2023	BW113	1	30.0	28.0	0.16
27	20/01/2023	BX94	1	30.0	28.0	0.16
27	20/01/2023	BU93	1	30.0	28.0	0.16
27	20/01/2023	BW93	1	30.0	28.0	0.16
27	20/01/2023	BY93	1	30.0	28.0	0.16
27	20/01/2023	BH106	1	30.0	28.0	0.16
28	20/01/2023	BY113	1	30.0	27.5	0.16
28	20/01/2023	CA113	1	30.0	28.0	0.16
28	20/01/2023	CC113	1	30.0	28.0	0.16
28	20/01/2023	BV114	1	30.0	27.0	0.16
28	20/01/2023	BX114	1	30.0	28.0	0.16
29	23/01/2023	BV102	1	30.0	28.0	0.16
29	23/01/2023	BX102	1	30.0	28.0	0.15
29	23/01/2023	BU103	1	30.0	28.0	0.15
29	23/01/2023	BU105	1	30.0	28.0	0.15
29	23/01/2023	BU107	1	30.0	28.0	0.15
29	23/01/2023	BV104	1	30.0	28.0	0.15
29	23/01/2023	BV106	1	30.0	28.0	0.15
29	23/01/2023	BW103	1	30.0	28.0	0.15
29	23/01/2023	BW105	1	30.0	28.0	0.15
30	23/01/2023	BZ114	1	30.0	28.0	0.18
30	23/01/2023	CB114	1	30.0	28.0	0.18
31	24/01/2023	BN124	1	30.0	27.0	0.18
31	24/01/2023	BL126	1	35.0	27.0	0.17
31	24/01/2023	BK129	1	35.0	27.0	0.17
32	24/01/2023	BW107	1	30.0	28.0	0.17
32	24/01/2023	BX104	1	30.0	28.0	0.17
32	24/01/2023	BX106	1	30.0	28.0	0.17
32	24/01/2023	BY103	1	30.0	28.0	0.17
32	24/01/2023	BY105	1	30.0	28.0	0.17
32	24/01/2023	BY107	1	30.0	28.0	0.17
33	26/01/2023	O11	1	30.0	4.0	0.15

33	26/01/2023	M11	1	30.0	4.0	0.15
33	26/01/2023	K11	1	30.0	4.0	0.15
33	26/01/2023	O13	1	30.0	4.0	0.15
34	26/01/2023	M13	1	30.0	4.0	0.15
34	26/01/2023	K13	1	30.0	4.0	0.15
34	26/01/2023	N12	1	30.0	4.0	0.15
34	26/01/2023	L12	1	30.0	4.0	0.15
35	26/01/2023	G11	1	30.0	4.0	0.15
35	26/01/2023	G13	1	30.0	4.0	0.15
35	26/01/2023	E9	1	30.0	4.0	0.15
35	26/01/2023	E11	1	30.0	4.0	0.15
36	26/01/2023	I9	1	30.0	4.0	0.15
36	26/01/2023	I11	1	30.0	4.0	0.15
36	26/01/2023	I13	1	30.0	4.0	0.15
36	26/01/2023	G9	1	30.0	4.0	0.15
37	27/01/2023	O15	1	30.0	4.0	0.15
37	27/01/2023	M15	1	30.0	4.0	0.15
37	27/01/2023	K15	1	30.0	4.0	0.15
37	27/01/2023	N14	1	30.0	4.0	0.15
37	27/01/2023	L14	1	30.0	4.0	0.15
38	27/01/2023	F10	1	30.0	4.0	0.15
38	27/01/2023	F12	1	30.0	4.0	0.15
38	27/01/2023	H10	1	30.0	4.0	0.15
38	27/01/2023	H12	1	30.0	4.0	0.16
39	27/01/2023	I17	1	30.0	6.0	0.16
40	30/01/2023	O17	1	30.0	4.0	0.16
40	30/01/2023	Q17	1	30.0	4.0	0.16
40	30/01/2023	S17	1	30.0	4.0	0.16
40	30/01/2023	P18	1	30.0	4.0	0.16
40	30/01/2023	R18	1	30.0	4.0	0.16
41	30/01/2023	S19	1	30.0	8.0	0.16
41	30/01/2023	Q19	1	30.0	4.0	0.16
41	30/01/2023	O19	1	30.0	4.0	0.16
41	30/01/2023	P20	1	30.0	4.0	0.16
41	30/01/2023	R20	1	30.0	4.0	0.16
42	30/01/2023	T16	1	30.0	4.0	0.16
42	30/01/2023	S21	1	30.0	4.0	0.16
43	30/01/2023	G19	1	30.0	4.0	0.16
43	30/01/2023	E19	1	30.0	4.0	0.16
43	30/01/2023	G21	1	30.0	4.0	0.15
43	30/01/2023	G23	1	35.0	4.0	0.16
43	30/01/2023	E21	1	30.0	4.0	0.16
44	30/01/2023	E13	1	30.0	4.0	0.16
44	30/01/2023	G17	1	30.0	4.0	0.16
44	30/01/2023	E17	1	30.0	4.0	0.16
44	30/01/2023	I19	1	30.0	4.0	0.16
45	30/01/2023	I23	1	30.0	4.0	0.16
45	30/01/2023	I21	1	30.0	4.0	0.16
45	30/01/2023	F18	1	30.0	4.0	0.16
46	31/01/2023	Q21	1	30.0	6.0	0.15
46	31/01/2023	O21	1	30.0	4.0	0.15
46	31/01/2023	R12	1	30.0	4.0	0.15
46	31/01/2023	Q9	1	30.0	4.0	0.15
46	31/01/2023	N6	1	30.0	4.0	0.15
46	31/01/2023	J6	1	30.0	4.0	0.15
47	31/01/2023	K3	1	30.0	4.0	0.15
47	31/01/2023	U19	1	30.0	4.0	0.15
47	31/01/2023	V22	1	30.0	4.0	0.15
47	31/01/2023	R22	1	30.0	4.0	0.15
47	31/01/2023	P22	1	30.0	4.0	0.15
48	31/01/2023	J12	1	30.0	4.0	0.15
49	31/01/2023	H20	1	30.0	4.0	0.15
49	31/01/2023	H18	1	30.0	4.0	0.15
49	31/01/2023	G29	1	35.0	6.0	0.15
49	31/01/2023	I29	1	30.0	6.0	0.15

49	31/01/2023	G31	1	30.0	7.0	0.15
50	31/01/2023	G25	1	30.0	4.0	0.15
50	31/01/2023	I25	1	30.0	4.0	0.15
50	31/01/2023	H24	1	30.0	4.0	0.15
50	31/01/2023	H22	1	30.0	4.0	0.15
50	31/01/2023	F20	1	30.0	4.0	0.15
51	31/01/2023	I31	1	30.0	7.0	0.15
51	31/01/2023	G27	1	30.0	6.0	0.15
52	01/02/2023	S23	1	30.0	6.0	0.15
52	01/02/2023	Q23	1	30.0	6.0	0.15
52	01/02/2023	O23	1	30.0	6.0	0.15
52	01/02/2023	P24	1	30.0	6.0	0.15
52	01/02/2023	R24	1	30.0	6.0	0.15
53	01/02/2023	O25	1	30.0	8.0	0.15
53	01/02/2023	Q25	1	30.0	8.0	0.15
53	01/02/2023	S25	1	30.0	8.0	0.15
53	01/02/2023	P26	1	30.0	8.0	0.15
53	01/02/2023	R26	1	30.0	6.0	0.15
53	01/02/2023	S27	1	30.0	8.0	0.15
54	01/02/2023	Q27	1	30.0	8.0	0.15
55	01/02/2023	I27	1	30.0	4.0	0.15
55	01/02/2023	F30	1	30.0	6.0	0.15
55	01/02/2023	F28	1	30.0	4.0	0.15
55	01/02/2023	H30	1	30.0	7.0	0.16
55	01/02/2023	H28	1	30.0	5.0	0.16
56	01/02/2023	H32	1	30.0	8.0	0.16
56	01/02/2023	J30	1	30.0	6.0	0.16
56	01/02/2023	J28	1	30.0	5.0	0.16
56	01/02/2023	M29	1	30.0	6.0	0.15
56	01/02/2023	O29	1	30.0	7.0	0.15
57	01/02/2023	Q29	1	30.0	7.0	0.15
57	01/02/2023	S29	1	30.0	7.0	0.15
58	02/02/2023	O27	1	30.0	8.0	0.15
58	02/02/2023	V24	1	30.0	8.0	0.15
58	02/02/2023	V26	1	30.0	6.0	0.15
58	02/02/2023	U29	1	30.0	8.0	0.15
58	02/02/2023	W25	1	30.0	8.0	0.15
58	02/02/2023	Y25	1	30.0	8.0	0.15
58	02/02/2023	W27	1	30.0	8.0	0.15
58	02/02/2023	W29	1	30.0	8.0	0.15
59	02/02/2023	Y29	1	30.0	8.0	0.16
59	02/02/2023	Y27	1	30.0	8.0	0.16
59	02/02/2023	AA29	1	30.0	10.0	0.16
59	02/02/2023	AA27	1	30.0	10.0	0.16
60	02/02/2023	N30	1	30.0	7.0	0.15
60	02/02/2023	P30	1	30.0	7.0	0.15
60	02/02/2023	R30	1	30.0	7.0	0.15
60	02/02/2023	AC49	1	30.0	12.0	0.15
60	02/02/2023	AE49	1	30.0	13.0	0.16
60	02/02/2023	AG49	1	30.0	13.0	0.16
61	02/02/2023	AB50	1	35.0	12.0	0.16
61	02/02/2023	Z52	1	30.0	12.0	0.16
61	02/02/2023	AC47	1	30.0	11.0	0.16
61	02/02/2023	AE47	1	30.0	11.0	0.17
61	02/02/2023	AG47	1	30.0	11.0	0.17
61	02/02/2023	AI47	1	30.0	11.0	0.17
62	03/02/2023	AA25	1	30.0	10.0	0.16
62	03/02/2023	X26	1	30.0	10.0	0.16
62	03/02/2023	X28	1	30.0	10.0	0.16
62	03/02/2023	Z26	1	30.0	10.0	0.16
62	03/02/2023	Z28	1	30.0	10.0	0.16
63	03/02/2023	AD46	1	30.0	11.0	0.16
63	03/02/2023	AD48	1	30.0	11.0	0.16
63	03/02/2023	AF46	1	30.0	11.0	0.16
63	03/02/2023	AF48	1	30.0	11.0	0.16

63	03/02/2023	AE45	1	30.0	11.0	0.16
64	06/02/2023	AG45	1	30.0	11.0	0.15
64	06/02/2023	Y45	1	30.0	11.0	0.15
64	06/02/2023	W45	1	35.0	11.0	0.15
64	06/02/2023	U45	1	30.0	11.0	0.15
64	06/02/2023	Y43	1	30.0	11.0	0.15
64	06/02/2023	W43	1	30.0	11.0	0.15
65	06/02/2023	U43	1	30.0	11.0	0.16
65	06/02/2023	Y41	1	30.0	10.0	0.16
65	06/02/2023	W41	1	30.0	10.0	0.16
65	06/02/2023	U41	1	30.0	10.0	0.16
65	06/02/2023	U39	1	30.0	9.0	0.16
65	06/02/2023	W39	1	30.0	9.0	0.16
66	06/02/2023	AC27	1	30.0	8.0	0.15
66	06/02/2023	AE27	1	30.0	8.0	0.15
66	06/02/2023	AG27	1	30.0	10.0	0.15
66	06/02/2023	AD28	1	30.0	10.0	0.15
66	06/02/2023	AF28	1	30.0	10.0	0.15
66	06/02/2023	AC29	1	30.0	10.0	0.15
66	06/02/2023	AE29	1	30.0	10.0	0.15
66	06/02/2023	AG29	1	30.0	10.0	0.15
66	06/02/2023	AD30	1	30.0	10.0	0.15
66	06/02/2023	AF30	1	30.0	10.0	0.15
67	06/02/2023	AC31	1	30.0	10.0	0.15
67	06/02/2023	AE31	1	30.0	10.0	0.16
68	07/02/2023	AG31	1	30.0	10.0	0.16
68	07/02/2023	AE33	1	30.0	10.0	0.16
68	07/02/2023	AG33	1	30.0	10.0	0.16
68	07/02/2023	AI33	1	30.0	10.0	0.16
68	07/02/2023	AF34	1	30.0	10.0	0.16
68	07/02/2023	AH34	1	30.0	10.0	0.16
68	07/02/2023	K9	1	30.0	4.0	0.16
69	07/02/2023	M9	1	30.0	4.0	0.16
69	07/02/2023	O9	1	30.0	4.0	0.16
69	07/02/2023	J10	1	30.0	4.0	0.16
69	07/02/2023	L10	1	30.0	4.0	0.16
69	07/02/2023	N10	1	30.0	4.0	0.16
70	07/02/2023	Y39	1	30.0	9.0	0.16
70	07/02/2023	Y37	1	30.0	7.0	0.15
70	07/02/2023	W37	1	30.0	7.0	0.15
70	07/02/2023	U37	1	30.0	7.0	0.15
70	07/02/2023	V44	1	30.0	11.0	0.15
70	07/02/2023	X44	1	30.0	11.0	0.15
70	07/02/2023	V42	1	30.0	11.0	0.15
71	07/02/2023	X42	1	30.0	11.0	0.15
71	07/02/2023	V40	1	30.0	9.0	0.15
71	07/02/2023	X40	1	30.0	9.0	0.15
71	07/02/2023	X36	1	30.0	7.0	0.15
71	07/02/2023	V36	1	30.0	7.0	0.15
72	08/02/2023	Q15	1	30.0	4.0	0.15
72	08/02/2023	S15	1	30.0	4.0	0.15
72	08/02/2023	P16	1	30.0	4.0	0.15
72	08/02/2023	R16	1	30.0	4.0	0.15
72	08/02/2023	AE35	1	30.0	10.0	0.15
72	08/02/2023	AG35	1	30.0	10.0	0.15
73	08/02/2023	AI35	1	30.0	10.0	0.15
73	08/02/2023	AF36	1	30.0	10.0	0.15
73	08/02/2023	AH36	1	30.0	10.0	0.15
73	08/02/2023	AE37	1	30.0	10.0	0.15
73	08/02/2023	AG37	1	30.0	10.0	0.15
73	08/02/2023	AI37	1	30.0	10.0	0.15
74	08/02/2023	Y35	1	30.0	8.0	0.15
74	08/02/2023	W35	1	30.0	8.0	0.15
74	08/02/2023	U35	1	30.0	8.0	0.15
74	08/02/2023	U33	1	30.0	8.0	0.15

74	08/02/2023	W33	1	30.0	8.0	0.15
74	08/02/2023	Y33	1	30.0	8.0	0.15
74	08/02/2023	V34	1	30.0	8.0	0.15
75	08/02/2023	X34	1	30.0	8.0	0.15
75	08/02/2023	E23	1	30.0	4.0	0.15
75	08/02/2023	E25	1	30.0	4.0	0.15
75	08/02/2023	E27	1	30.0	6.0	0.15
75	08/02/2023	F22	1	30.0	4.0	0.15
76	09/02/2023	F24	1	30.0	4.0	0.15
76	09/02/2023	F26	1	30.0	4.0	0.15
76	09/02/2023	H26	1	30.0	6.0	0.15
76	09/02/2023	T32	1	30.0	7.0	0.16
76	09/02/2023	S33	1	30.0	7.0	0.16
76	09/02/2023	Q33	1	30.0	7.0	0.16
77	09/02/2023	O33	1	30.0	7.0	0.16
77	09/02/2023	M33	1	30.0	7.0	0.16
77	09/02/2023	AG71	1	30.0	17.0	0.16
77	09/02/2023	AH74	1	30.0	18.0	0.16
77	09/02/2023	AJ76	1	30.0	17.0	0.16
77	09/02/2023	AL78	1	30.0	17.0	0.16
78	09/02/2023	AF38	1	30.0	10.0	0.15
78	09/02/2023	AH38	1	30.0	10.0	0.15
78	09/02/2023	AE39	1	30.0	10.0	0.15
78	09/02/2023	AG39	1	30.0	12.0	0.15
78	09/02/2023	AI39	1	30.0	12.0	0.15
78	09/02/2023	AF40	1	30.0	12.0	0.15
78	09/02/2023	AH40	1	30.0	12.0	0.15
78	09/02/2023	AE41	1	30.0	12.0	0.15
78	09/02/2023	AG41	1	30.0	12.0	0.16
78	09/02/2023	AI41	1	30.0	12.0	0.16
79	09/02/2023	AF42	1	30.0	12.0	0.16
79	09/02/2023	AH42	1	30.0	12.0	0.16
80	10/02/2023	AE43	1	30.0	12.0	0.16
80	10/02/2023	AG43	1	30.0	12.0	0.16
80	10/02/2023	AI43	1	30.0	12.0	0.15
81	10/02/2023	M31	1	30.0	7.0	0.15
81	10/02/2023	O31	1	30.0	7.0	0.15
81	10/02/2023	Q31	1	30.0	7.0	0.15
81	10/02/2023	S31	1	30.0	7.0	0.15
81	10/02/2023	R32	1	30.0	7.0	0.15
82	14/02/2023	BE113	1	38.0	27.0	0.20
82	14/02/2023	BE111	1	38.0	27.0	0.19
82	14/02/2023	BE109	1	38.0	27.0	0.19
82	14/02/2023	BC113	1	38.0	27.0	0.19
82	14/02/2023	BC111	1	38.0	27.0	0.19
82	14/02/2023	BC109	1	38.0	27.0	0.19
82	14/02/2023	BA113	1	38.0	27.0	0.19
83	14/02/2023	BA111	1	38.0	27.0	0.19
83	14/02/2023	BA109	1	38.0	27.0	0.19
83	14/02/2023	AX110	1	38.0	27.0	0.19
84	14/02/2023	AU103	1	38.0	28.0	0.19
84	14/02/2023	AU101	1	38.0	28.0	0.20
84	14/02/2023	AU99	1	38.0	28.0	0.20
84	14/02/2023	AW103	1	38.0	28.0	0.20
84	14/02/2023	AW101	1	38.0	28.0	0.20
84	14/02/2023	AW99	1	38.0	28.0	0.20
84	14/02/2023	AY103	1	38.0	28.0	0.20
84	14/02/2023	AY101	1	38.0	28.0	0.20
84	14/02/2023	AY99	1	38.0	28.0	0.20
84	14/02/2023	BA99	1	38.0	28.0	0.20
85	15/02/2023	BA101	1	37.0	27.0	0.20
85	15/02/2023	BA103	1	37.0	27.0	0.20
85	15/02/2023	BW95	1	38.0	28.0	0.20
85	15/02/2023	BY101	1	38.0	28.0	0.20
85	15/02/2023	BW105	1	38.0	28.0	0.20

85	15/02/2023	BW125	1	37.0	28.0	0.20
85	15/02/2023	BY125	1	38.0	28.0	0.20
85	15/02/2023	CA125	1	38.0	28.0	0.20
85	15/02/2023	CC125	1	38.0	28.0	0.20
85	15/02/2023	BR132	1	37.0	27.0	0.20
86	15/02/2023	BW153	1	38.0	27.0	0.20
86	15/02/2023	BM147	1	38.0	27.0	0.20
86	15/02/2023	CC137	1	38.0	27.0	0.20
86	15/02/2023	CA137	1	38.0	27.0	0.20
86	15/02/2023	BY137	1	38.0	27.0	0.20
86	15/02/2023	AY107	1	38.0	27.0	0.20
86	15/02/2023	BB106	1	38.0	27.0	0.20
87	15/02/2023	BE107	1	38.0	27.0	0.20
87	15/02/2023	BB116	1	38.0	27.0	0.20
87	15/02/2023	BT130	1	38.0	27.0	0.20
88	16/02/2023	BB124	1	38.0	27.0	0.20

88	16/02/2023	BB126	1	38.0	27.0	0.20
88	16/02/2023	BE137	1	38.0	27.0	0.20
88	16/02/2023	BW115	1	38.0	27.0	0.20
88	16/02/2023	BO135	1	38.0	27.0	0.20
89	16/02/2023	AF32	1	30.0	10.0	0.15
89	16/02/2023	AI45	1	30.0	12.0	0.15
89	16/02/2023	AH46	1	30.0	12.0	0.15
89	16/02/2023	W31	1	30.0	8.0	0.15
89	16/02/2023	V32	1	30.0	8.0	0.15
90	17/02/2023	X32	1	30.0	10.0	0.15
90	17/02/2023	Q55	1	30.0	14.0	0.15
90	17/02/2023	O55	1	30.0	14.0	0.15
90	17/02/2023	K55	1	30.0	14.0	0.15
90	17/02/2023	K57	1	30.0	16.0	0.15
91	17/02/2023	AG51	1	30.0	12.0	0.15
91	17/02/2023	V38	1	30.0	7.0	0.15
91	17/02/2023	X38	1	30.0	7.0	0.15
91	17/02/2023	AD50	1	30.0	12.0	0.15
91	17/02/2023	AF50	1	30.0	12.0	0.15
92	20/02/2023	I55	1	30.0	14.0	0.15
92	20/02/2023	I57	1	30.0	16.0	0.15
92	20/02/2023	G55	1	30.0	16.0	0.15
92	20/02/2023	G57	1	30.0	16.0	0.15
92	20/02/2023	G53	1	30.0	14.0	0.15
92	20/02/2023	I53	1	30.0	14.0	0.15
92	20/02/2023	K53	1	30.0	14.0	0.15
92	20/02/2023	O53	1	30.0	14.0	0.15
92	20/02/2023	Q53	1	30.0	14.0	0.15
92	20/02/2023	S53	1	30.0	14.0	0.14
93	20/02/2023	S51	1	30.0	14.0	0.14
93	20/02/2023	Q51	1	30.0	14.0	0.14
94	20/02/2023	AE51	1	30.0	12.0	0.16
94	20/02/2023	E43	1	30.0	12.0	0.16
94	20/02/2023	G43	1	30.0	12.0	0.16
94	20/02/2023	E45	1	30.0	12.0	0.16
94	20/02/2023	G45	1	30.0	12.0	0.16
94	20/02/2023	I43	1	30.0	12.0	0.15
94	20/02/2023	I45	1	30.0	12.0	0.15
95	20/03/2023	E47	1	30.0	12.0	0.14
95	20/03/2023	G47	1	30.0	12.0	0.14
95	20/03/2023	I47	1	30.0	12.0	0.14
95	20/03/2023	E49	1	30.0	12.0	0.14
95	20/03/2023	G49	1	30.0	12.0	0.14
96	21/02/2023	O51	1	30.0	14.0	0.14
96	21/02/2023	Q49	1	30.0	12.0	0.14
96	21/02/2023	Q47	1	30.0	12.0	0.14
96	21/02/2023	O49	1	30.0	12.0	0.14
96	21/02/2023	O47	1	30.0	12.0	0.14
96	21/02/2023	M49	1	30.0	12.0	0.14
96	21/02/2023	M47	1	30.0	12.0	0.14
96	21/02/2023	N32	1	30.0	7.0	0.14
96	21/02/2023	P32	1	30.0	7.0	0.14
97	21/02/2023	I49	1	30.0	12.0	0.14
97	21/02/2023	G37	1	30.0	11.0	0.14
97	21/02/2023	I37	1	30.0	11.0	0.14
97	21/02/2023	M39	1	30.0	11.0	0.14
97	21/02/2023	O39	1	30.0	11.0	0.14
97	21/02/2023	U77	1	30.0	18.0	0.14
97	21/02/2023	AC83	1	30.0	18.0	0.14
98	21/02/2023	AJ88	1	30.0	18.0	0.14

Totals 528.00 16256.00 8750.00 82.10

APPENDIX VI

GROUT CUBE RESULTS



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TEST CERTIFICATE - GROUT CUBES**Tested to BS EN 12390-3: 2019**

Client Name: M & J Drilling Services Ltd. For the attention of: Contracts Manager			Client Address: Unit 44, Coneygree Industrial Estate, Dudley, DY4 8XP				Order Number: 02/03765		
Name of Project: Don Street, Middleton			Position of Concrete in Project: -		Name of Concrete Supplier: -		Report Reference: GT425/ 60088-1		
Specification & Consistency of Concrete: C:10:1 PFA OPC		Measured Slump: -	Air Content: -	Date Made: 17.01.2023	Time Made: -	Date of Receipt: 09.02.2023			
Client Cube Reference.	GT Cube Reference	Test Date	Test Age (Days)	Density (saturated) (kg/m³)	Designated Sizes (mm)	Max. Load (kN)			
1	669-1y	14.02.2023	28	1440	150	41.9	1.9	10:1	G=Rough Faces
2	669-2	14.02.2023	28	1500	150	40.9	1.8	10:1	G=Rough Faces
								-	
								-	
								-	
								-	

Condition of Cubes when Received:	Wet	Rate of Loading 0.4 to 0.8 N/mm² /sec	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	GT Certification Ltd
Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 10 March 2023

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of GT Certification Limited. These results relate only to the items tested.

Page 1 of 1.

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TEST CERTIFICATE - GROUT CUBES**Tested to BS EN 12390-3: 2019**

Client Name: M & J Drilling Services Ltd. For the attention of: Contracts Manager			Client Address: Unit 44, Coneygree Industrial Estate, Dudley, DY4 8XP				Order Number: 02/03765		
Name of Project: Don Street, Middleton			Position of Concrete in Project: -		Name of Concrete Supplier: -		Report Reference: GT425/ 60088-3		
Specification & Consistency of Concrete: C:10:1 PFA OPC		Measured Slump: -	Air Content: -	Date Made: 23.01.2023	Time Made: -	Date of Receipt: 09.02.2023			
Client Cube Reference.	GT Cube Reference	Test Date	Test Age (Days)	Density (saturated) (kg/m³)	Designated Sizes (mm)	Max. Load (kN)			
3	670-1y	20.02.2023	28	1400	150	38.2	1.7	10:1	G=Rough Faces
4	670-2	20.02.2023	28	1370	150	31.8	1.4	10:1	G=Rough Faces
								-	
								-	
								-	
								-	

Condition of Cubes when Received:	Wet	Rate of Loading 0.4 to 0.8 N/mm² /sec	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	GT Certification Ltd
Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 10 March 2023

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of GT Certification Limited. These results relate only to the items tested.

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TEST CERTIFICATE - GROUT CUBES

Tested to BS EN 12390-3: 2019

Client Name: M & J Drilling Services Ltd. For the attention of: Contracts Manager			Client Address: Unit 44, Coneygree Industrial Estate, Dudley, DY4 8XP				Order Number: 02/03765		
Name of Project: Don Street, Middleton			Position of Concrete in Project: -		Name of Concrete Supplier: -		Report Reference: GT425/ 60088-7		
Specification & Consistency of Concrete: C:10:1 PFA OPC		Measured Slump: -	Air Content: -	Date Made: 30.01.2023	Time Made: -	Date of Receipt: 09.02.2023			
Client Cube Reference.	GT Cube Reference	Test Date	Test Age (Days)	Density (saturated) (kg/m³)	Designated Sizes (mm)	Max. Load (kN)			
5	671-1y	27.02.2023	28	1490	150	48.1	2.1	10:1	G=Rough Faces
6	671-2	27.02.2023	28	1760	150	39.0	1.7	10:1	G=Rough Faces
								-	
								-	
								-	
								-	

Condition of Cubes when Received:	Wet	Rate of Loading 0.4 to 0.8 N/mm² /sec	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	GT Certification Ltd
Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 10 March 2023

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of GT Certification Limited. These results relate only to the items tested.

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TEST CERTIFICATE - GROUT CUBES**Tested to BS EN 12390-3: 2019**

Client Name: M & J Drilling Services Ltd. For the attention of: Contracts Manager			Client Address: Unit 44, Coneygree Industrial Estate, Dudley, DY4 8XP				Order Number: 02/03765		
Name of Project: Don Street, Middleton			Position of Concrete in Project: -		Name of Concrete Supplier: -		Report Reference: GT425/ 60222-1		
Specification & Consistency of Concrete: C:10:1 PFA OPC		Measured Slump: -	Air Content: -	Date Made: 08.02.2023	Time Made: -	Date of Receipt: 01.03.2023			
Client Cube Reference.	GT Cube Reference	Test Date	Test Age (Days)	Density (saturated) (kg/m³)	Designated Sizes (mm)	Max. Load (kN)			
9	808-1y	08.03.2023	28	1260	150	18.9	0.8	10:1	G=Rough Faces
10	808-2	08.03.2023	28	1240	150	22.6	1.0	10:1	G=Rough Faces
								-	
								-	
								-	
								-	

Condition of Cubes when Received:	Wet	Rate of Loading 0.4 to 0.8 N/mm² /sec	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	GT Certification Ltd
Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 25 April 2023

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of GT Certification Limited. These results relate only to the items tested.

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TEST CERTIFICATE - GROUT CUBES

Tested to BS EN 12390-3: 2019

Client Name: M & J Drilling Services Ltd. For the attention of: Contracts Manager			Client Address: Unit 44, Coneygree Industrial Estate, Dudley, DY4 8XP				Order Number: 02/03765		
Name of Project: Don Street, Middleton			Position of Concrete in Project: -		Name of Concrete Supplier: -		Report Reference: GT425/ 60222-2		
Specification & Consistency of Concrete: C:10:1 PFA OPC		Measured Slump: -	Air Content: -	Date Made: 15.02.2023	Time Made: -	Date of Receipt: 01.03.2023			
Client Cube Reference.	GT Cube Reference	Test Date	Test Age (Days)	Density (saturated) (kg/m³)	Designated Sizes (mm)	Max. Load (kN)			
11	809-1y	15.03.2023	28	1490	150	74.3	3.3	10:1	G=Rough Faces
12	809-2	15.03.2023	28	1430	150	24.5	1.0	10:1	G=Rough Faces
								-	
								-	
								-	
								-	

Condition of Cubes when Received:	Wet	Rate of Loading 0.4 to 0.8 N/mm² /sec	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	GT Certification Ltd
Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 25 April 2023

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of GT Certification Limited. These results relate only to the items tested.

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