



Monday 10th October 2022

FAO: Mr Alan Spencer

Re: Coal Mining Investigation for Highfield House Care Home, Manchester Road, Heywood, OL10 2AN

In line with the proposals of the Coal Mining Risk Assessment (reference 17-07-09) dated August 2017 a site investigation was undertaken, the scope comprised of the drilling of a rotary open cored borehole to a nominal depth of 30mbgl with a further two boreholes if evidence of coal was recorded.

Fieldwork:

The fieldwork was undertaken from the 22nd September 2022 to the 23rd September 2022. The works comprised of the sinking on one borehole to 30.00mbgl. A 1.20m hand dug service pit was excavated prior to the sinking of the borehole. The borehole was drilled using a Premier Compact 210 – Rotary Rig. The borehole was open cored using a water flush. The borehole was drilled to 30mbgl. No voids, no loss of flush and no broken ground were encountered during the drilling works.

General Sequence

The general sequence encountered was grassed brown TOPSOIL to 0.15mbgl over Brown clay with brick, cobbles, plastic, breeze blocks, sand, clinker and ash. (MADE GROUND) to 1.20mbgl.

This was underlain by Brown gravelly CLAY to 4.00mbgl. Bedrock was then encountered. The bedrock comprised of Brown SILTSTONE interbedded with mudstone and occasional coal fragments to 5.40mbgl; then, Grey/brown SILTSTONE with interbedded mudstone to 6.50mbgl. The next stratum encountered was Grey MUDSTONE with interbedded siltstone and occasional light/grey bands. The depth of this stratum was not proven, the borehole was terminated at 30.00mbgl.

Discussion and Conclusions

No loss of flush was encountered, hence no mine related voids and/or broken ground detected. No mine gas emissions were recorded at the borehole location.

Based on this the site risk from surface instability from worked coal seams is negligible.

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If you have any queries please do not hesitate to contact the undersigned.

Yours sincerely,

Despo Hadjikyriacou BEng(Hons) BSc(Hons) PGDip MInstP
att site investigation layout, borehole section sheet

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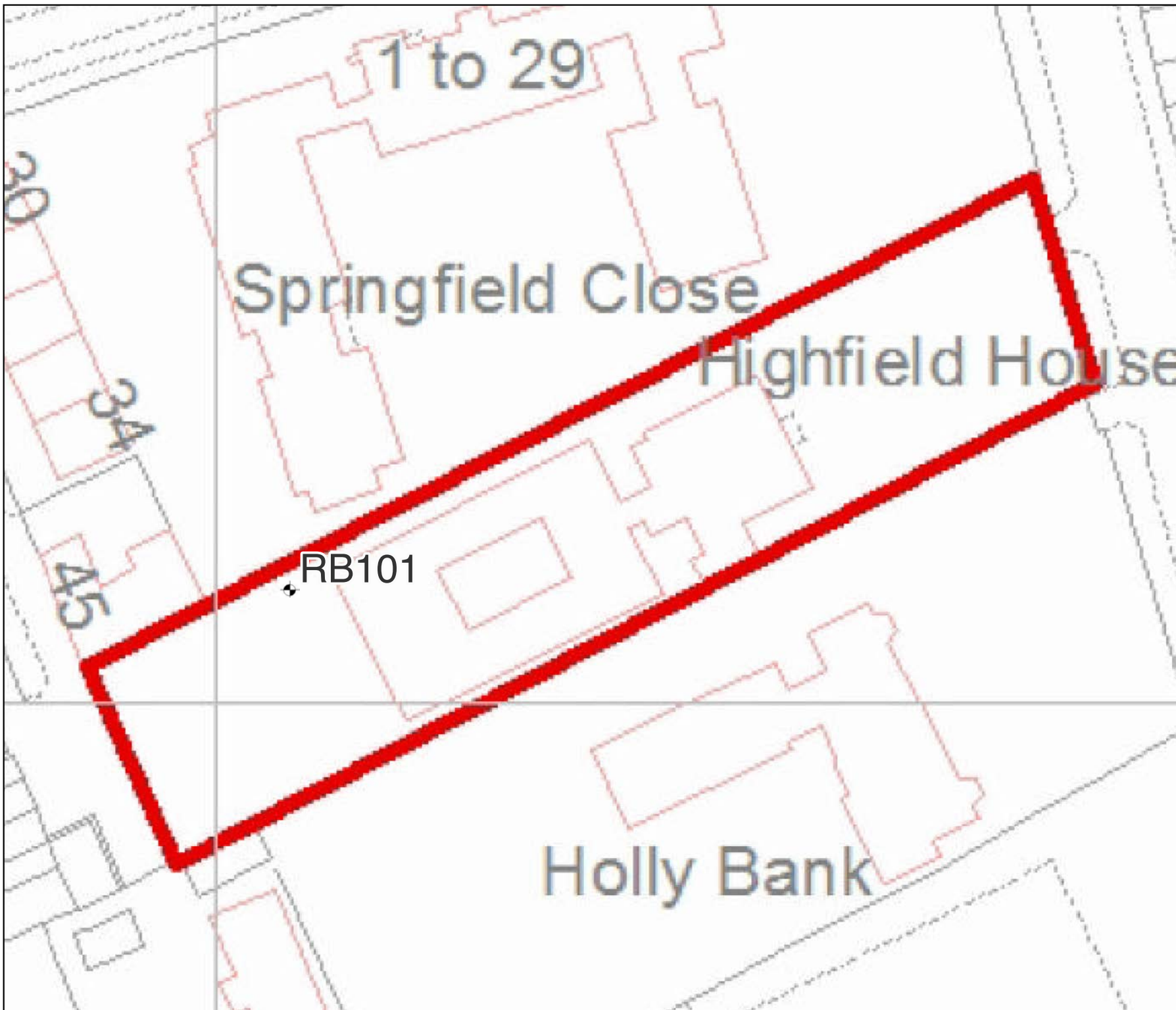
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Drawing 1

Site Name: Highfield House
Care Home,

Site Investigation Layout

Scale: 1:500 at A4

										ROTARY LOG		HOLE NO. RBH101		
CLIENT Mr Alan Spencer										SITE Highfield House				
DATE OF FIELDWORK 22/09/22-23/09/22				SCALE 1:50		LEVEL/POSITION SEE LOCATION PLAN			OPERATOR LK		LOGGED BY DH		JOB NO. 22-08-01	
SAMPLE RECORD		Depth (Run)	TCR %	SCR %	RQD %	I _f	Standp/ Piezo	DESCRIPTION OF STRATUM (thickness)			DEPTH	REDUCED LEVEL	LEGEND	
								Grassed brown TOPSOIL (0.15)			0.15			
								Brown clay with brick, cobbles, plastic, breeze blocks, sand, clinker and ash. (MADE GROUND). (1.05)						
								Brown gravelly CLAY (2.80)			1.20			
								Brown SILTSTONE interbedded with mudstone and occasional coal fragments (1.40)			4.00			
								Grey/brown SILTSTONE with interbedded mudstone (1.10)						
Grey MUDSTONE with interbedded siltstone and occasional light/grey bands			6.50											
GROUNDWATER AND CASING INFORMATION										DRILLING METHOD AND REMARKS				
DEPTH STRUCK	DEPTH CASED	ELAPSED TIME	WATER LEVEL	DEPTH SEALED	REMARKS ON GROUNDWATER AND CASING					Rotary Hand dug service pit to 1.20mbgl No broken ground No loss of flush				

All dimensions are in metres unless otherwise stated

										ROTARY LOG		HOLE NO. RBH101 Sheet 2 of 3			
CLIENT Mr Alan Spencer										SITE Highfield House					
DATE OF FIELDWORK 22/09/22-23/09/22				SCALE 1:50		LEVEL/POSITION SEE LOCATION PLAN				OPERATOR LK		LOGGED BY DH		JOB NO. 22-08-01	
SAMPLE RECORD		Depth (Run)	TCR %	SCR %	RQD %	I _f	Standp/ Piezo	DESCRIPTION OF STRATUM (thickness)				DEPTH	REDUCED LEVEL	LEGEND	
								Continued boring in same stratum							
GROUNDWATER AND CASING INFORMATION										DRILLING METHOD AND REMARKS					
DEPTH STRUCK	DEPTH CASED	ELAPSED TIME	WATER LEVEL	DEPTH SEALED	REMARKS ON GROUNDWATER AND CASING					Rotary Hand dug service pit to 1.20mbgl No broken ground No loss of flush					
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CLIENT Mr Alan Spencer										SITE Highfield House					
DATE OF FIELDWORK 22/09/22-23/09/22				SCALE 1:50		LEVEL/POSITION SEE LOCATION PLAN				OPERATOR LK		LOGGED BY DH		JOB NO. 22-08-01	
SAMPLE RECORD		Depth (Run)	TCR %	SCR %	RQD %	I _f	Standp/ Piezo	DESCRIPTION OF STRATUM (thickness)				DEPTH	REDUCED LEVEL	LEGEND	
								Continued boring in same stratum							
								BOREHOLE TERMINATED				30.00			
GROUNDWATER AND CASING INFORMATION										DRILLING METHOD AND REMARKS					
DEPTH STRUCK	DEPTH CASED	ELAPSED TIME	WATER LEVEL	DEPTH SEALED	REMARKS ON GROUNDWATER AND CASING					Rotary Hand dug service pit to 1.20mbgl No broken ground No loss of flush					
All dimensions are in metres unless otherwise stated															



The Coal
Authority

Permit to Enter or Disturb Coal Authority Interests

Permit 25548

Name and Address of Permit Holder:

*Homefield House Care Home (Heywood) Ltd
Manchester Road
Heywood
OL10 2AN*

Site Location:

*Highfield House Care Home
Manchester Road
Heywood
OL10 2AN*

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

Ground investigation by three boreholes to 40m to determine presence of shallow coal seams/mine workings

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

Conditions:

- *Water flush*
- *Gas Monitoring CO, CH₄, CO₂, O₂, H₂S at borehole and rig*
- *Operators undertaking the work must be in possession of this certificate and the Permit boundary plan at the time of works*
- *Appropriate borehole sealing without delay and to withstand site level changes*

Signed: Stuart Brown Granted Date: 12/09/2022

For and on behalf of The Coal Authority

Nominated Representative: Stuart Brown, 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: 25548

Permit Boundary:



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