

To: Estates

FAO: James Williams

My Ref: Cresswell Street, Pogmoor

Your Ref: B00285

Date: 26th November 2024

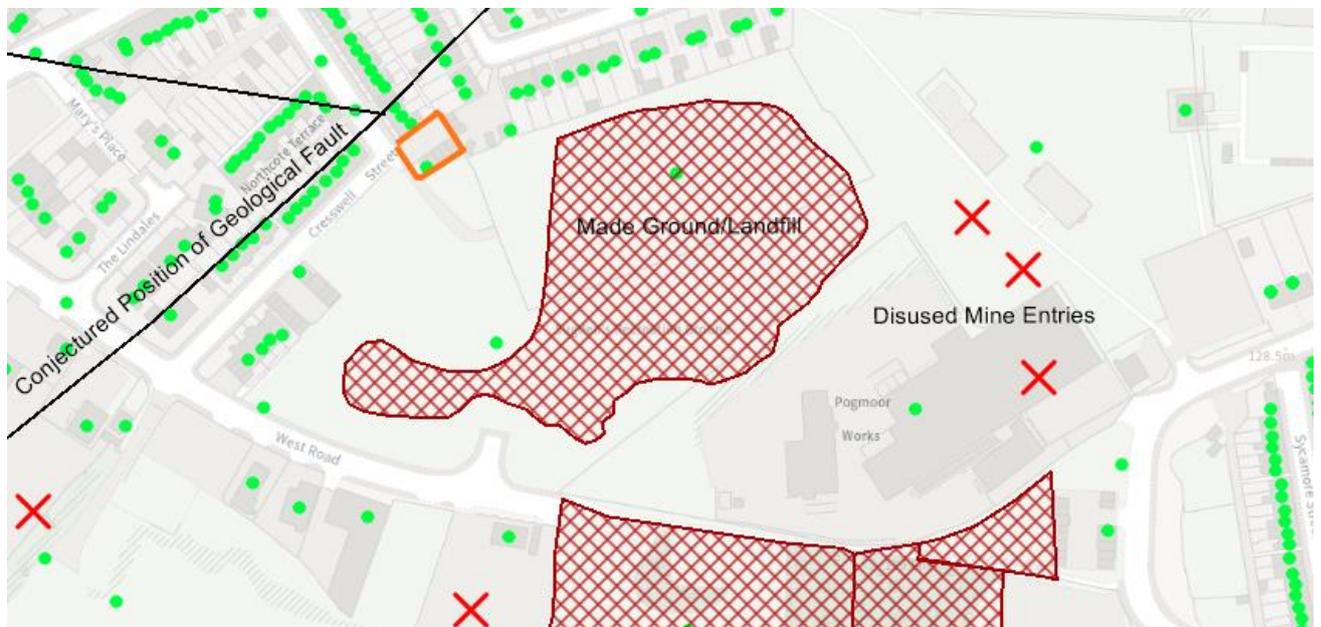
Enquiries to: P James

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Subject: **B00285 Garage Site adjacent 30 Cresswell Street, Pogmoor, Barnsley, S75 2DL**

SITUATION

The land under consideration is shown edged orange on the image below. This report provides an overview of the mining and geological history of the land and an assessment of potential coal mining legacy risks.



GEOLOGY:

Strata	Middle Coal measures sandstone.
Faults	The conjectured position of geological faulting is indicated approx. 15m to the NW trending NE - SW
Coal	The Barnsley seam (thickness approx. 2.3m) is estimated to lie beneath the site at approx. 45m deep.

MINING:

- Opencast/Quarry A former brickworks is recorded in the immediate area to the southeast.
- Shallow Coal Relatively shallow workings in Barnsley seam.
- Deep Several coal seams have been worked at depth. All workings have now ceased.
- Mine Entries None recorded in the immediate vicinity.

MADE GROUND:

The former brickworks adjacent to site has been backfill/landfilled

LANDFILL:

The site lies adjacent a disused category 2 landfill site associated with the backfilled brickworks. SYMAS has no records of the nature of the fill. A category 2 landfill site is described as “*a site on which insufficient information is known to permit an adequate response to be made on the extent to which landfill gas may be present*”

FUGITIVE GASES

SYMAS has no record of any fugitive gas issues but given the above the presence of fugitive gases can not be ruled out.

CONCLUSION:

The land can be considered as stable regarding normal deep coal mining subsidence. Considering the anticipated depth of the Barnsley coal seam and the fact that the site is not located in a Coal Authority planning risk referral area, the risk of coal mining legacy issues affecting the land is considered as LOW.

A prudent developer would consider the need for intrusive investigations to evaluate the possibility of made ground being present.

Foundations of any future development should be suitably designed in the event of encountering geological faulting or fractured ground.

Any coal encountered in foundation excavations should be blinded off with an inert material to reduce the risk of spontaneous combustion. Foundations should be formed on competent bedrock.

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Report prepared by P. James 26th November 2024.

P. James
Principal Mining Engineer.