

**SOUTH YORKSHIRE MINING ADVISORY SERVICE**

**BUILDING REGULATIONS 2000  
APPROVED DOCUMENT A - STRUCTURE (2004 EDITION)  
REQUIREMENT A2(b) - SUBSIDENCE**

Application No: 22/13933/BR

Description: Extension

Location: 23 Cone Lane, Silkstone Common

*Mining and Geological records have been checked and the comments ticked below are applicable to the site:*

There is insufficient surface information on the site plan for a report to be completed.	A1
This site is fully covered by the attached report no.	A2
The conjectured surface position of geological faulting crosses the area.	A3
Fissure problems may be encountered in the underlying sandstone bedrock.	A4
A coal seam may be exposed in the foundations	A5
A coal seam may be under the proposed development at a shallow depth.	A6 ✓
Shallow mine workings in the coal seam may be present beneath the area	A7 ✓
Mine entries are recorded adjacent the site.	A8
The property is located within 250m of a cat 2 landfill site	A9
The site will be affected by current/future mining.	A10

OTHER REMARKS

Encs.	YES	NO
		✓

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The following recommendations are advised in respect of the site:

Where fault/fissure problems are encountered, the foundations should be suitably designed.	B1
Any coal exposed by building work should be blinded off to prevent spontaneous combustion. Foundations should be made on competent bedrock.	B2
The necessity for an investigation should be balanced against size and type of proposed development. If undertaken, boreholes to a depth of 20m would be recommended in this instance. (Prior consultations with the Coal Authority would be required).	B3 ✓
A site investigation must be carried out to check the possible presence of shallow workings/broken ground. Boreholes to a depth of 20m would be recommended in this instance. (Prior consultations with the Coal Authority would be required).	B4
Ownership of coal mine shafts is vested with the Coal Authority who should be consulted prior to any investigation/measures being undertaken. In any event no building should be sited over the shaft or shaft cap or within an area bounded by a line drawn at 45 degrees back from where the shaft side intersects rockhead.	B5
The foundations may need to be suitably designed by a structural engineer to minimize the effect of historic shallow mine workings. Existing foundation design should be checked.	B6
The nature and suitability of any made ground should be investigated.	B7
Precautions may be required should development be located over a buried highwall of the former quarry due to the potential for differential settlement occurring.	B8
Although it is not a consideration of the A2(b) requirement all the usual safety precautions and monitoring procedures in respect of fugitive gases (associated with shallow coals, mine entries, made ground or landfill) should be employed.	B9

SUMMARY REMARKS