

**DEVELOPMENT DIRECTORATE
South Yorkshire Mining Advisory Service**



To: BSF Team, Education Services
Berneslai Close.

FAO: Mr. James Young

My Ref: PJ/M361/4

Your Ref:

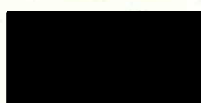
Date: 29th July, 2009

Enquiries to: Mr. P. James

Ext: 2689

Subject: ST. MICHAELS ALC SITE, CARLTON ROAD, BARNSELEY

Further to your consultation request of the 28th July, 2009, please find attached a mineral report and plans, which outline the mining and geological situation for the above site.



Principal Mining Engineer.

Enc.

MINERAL REPORT



Date: 29th July, 2009

My Ref: PJ/M361/4

CONFIDENTIAL

ST. MICHAELS ALC SITE, CARLTON ROAD, BARNSELY

SITUATION

The site under consideration is shown edged orange on attached plan no. M361/4A.

GEOLOGICAL INFORMATION

Geological records indicate that the site lies on Woolley Edge Rock Sandstone of the Middle Coal Measures, which may contain fissures both naturally occurring and mining induced.

The major St. Helens Geological Fault (approximate down throw of 30 m to the south-east) crosses the playing fields in the south-east of the site. To the south of the fault the bedrock consists of mudstones and siltstones.

There are a number of areas of made ground shown within the site which may have been formed by cut and fill operations during landscape works when the site was developed.

MINING

Deep mining operations have taken place beneath the site in nine seams of coal at depths ranging between 70 m and 380 m, the latest being in the Kents Thick Seam (depth 125 m, thickness 915 m) in 1959.

Any movement at the surface should have ceased decades ago and as the site now lies remote from the active coalfield the land will remain unaffected for the foreseeable future.

FORMER LAND USES

The relevant Ordnance Survey Sheets have been checked for any evidence of past industrial land usage in the area.

No such uses were highlighted, however, plans did show that prior to construction of the current buildings the site was formerly open land.

LANDFILL

The site does not lie within 250 m of a known landfill site, as indicated on the current Borough Landfill Site Map.

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MINERAL REPORT



Continuation Sheet

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CONCLUSIONS

1. The site is considered stable from the deep mining subsidence aspect and should remain so in future years.
2. The site lies mainly on the Woolley Edge Rock Sandstone which may be fissured both naturally and mining induced. Any future development will require suitably strengthened foundations where any fractured/weak ground is encountered.
3. The major St. Helens Geological Fault crosses the south-eastern part of the site. Any future development should be sited clear of the fault, if possible, as movement along the fault may reoccur in the future due to the deep mining activity previously discussed.
4. Historical plan information indicates there has been no evidence of former industrial land use in the vicinity of the site which could cause contamination problems.
5. It is recommended that fugitive gas monitoring be undertaken where any construction personnel are required to work in deep of confined excavations.
6. A site investigation has been undertaken by CC Geotechnical, the conclusions of that report should be read in conjunction with this report.

THIS REPORT IS BASED ON AND LIMITED TO THE RECORDS IN THE POSSESSION OF SYMAS AT THE TIME THE ENQUIRY IS ANSWERED.

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The Report was prepared by P. James 29th July, 2009.

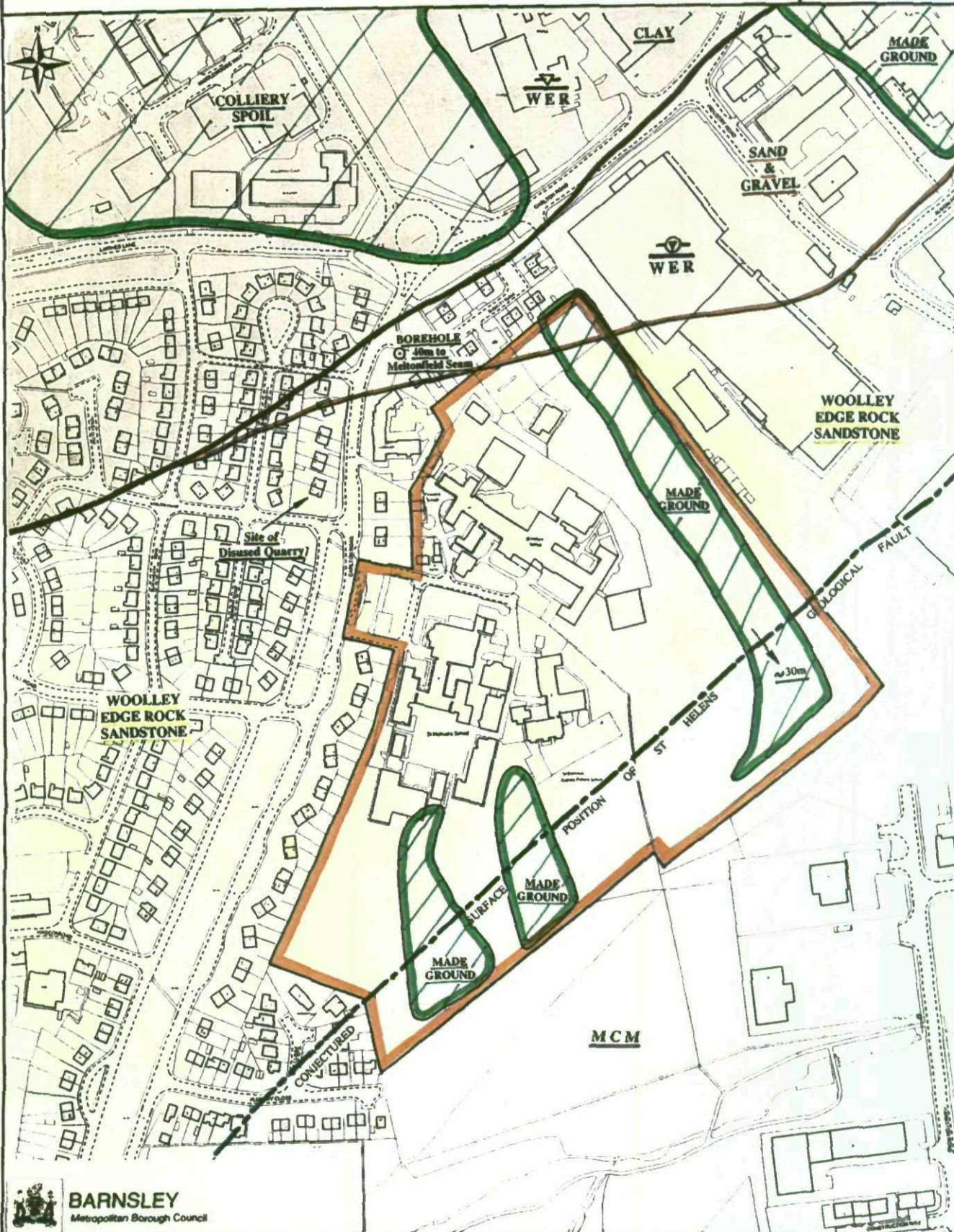


P. James,
Principal Mining Engineer.

DRAWING TITLE:

ST. MICHAELS ALC SITE

DRAWING NO

M361/4A

BARNSELY
Metropolitan Borough Council

SCALE
1:2500

DATE
29.7.09

**SOUTH YORKSHIRE MINING
ADVISORY SERVICE**

O/S REFERENCE
SE 3509/3609

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AS

CHECKED BY
PT

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PRINCIPAL MINING ENGINEER