

**DEVELOPMENT DIRECTORATE
South Yorkshire Mining Advisory Service**



To: Finance & Property Directorate
Property & Procurement

FAO: Mr. S. Fairhurst

My Ref: U/M361/3

Your Ref: PA/SF/JAT

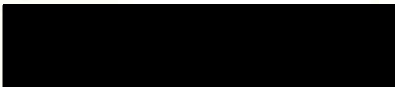
Date: 17th November, 2005

Enquiries to: Mr. I Johnson

Ext: 2687

Subject: ST. MICHAELS R.C. SECONDARY SCHOOL, BARNSELY

Further to your request of the 29th September, 2005, in respect of the above, please find attached a mineral report and plans, which outline the mining and geological situation.

 Mining Advisory Service.

Enc.

HAE	A & E	CA
CDMM	SSC	ASM
ESM	B3M	BSM
Action		
Sfe		
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HQS	QD	PQS



SOUTH YORKSHIRE MINING ADVISORY SERVICE

MINERAL REPORT

CONFIDENTIAL

Date: 15/11/2005

Ref: U/SML/M361/3

ST. MICHAELS R.C. SECONDARY SCHOOL, CARLTON ROAD, CARLTON

SITUATION

The land under consideration is shown edged orange on the attached plan no. M361/3.

GEOLOGY

Records indicate the area lies mainly on the Woolley Edge Rock Sandstone of the Middle Coal Measures, which may be fissured both naturally and mining induced.

The major St. Helen's Geological Fault (approximate downthrow of 30 m to the south-east) crosses the playing fields within the south-east of the site. To the south of this fault the area lies on shales and mudstones.

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

MINING

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

All subsidence movement from these workings will have ceased some 45 years ago and as the site now lies remote from the active coalfield it will not be affected in the future.

FORMER
LAND USE

The relevant Ordnance Survey Sheets 274/4 (1892, 1906, 1931 and 1948 Editions) and SE 3509/3609 (1960 Edition) show the area to be open land with no former industrial uses shown as affecting the area.

LANDFILL

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

CONCLUSIONS

1. The site is stable from the deep mining subsidence aspect and will remain so in the future.

MINERAL REPORT

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. Helen's Geological Fault crosses the south-eastern part of the site. Any future development should be sited clear of the fault, if possible, as once fault movement has been initiated by mining it may recur at any time in the future.

To the south of the fault the strata is shales and mudstones overlain by clay soil, which should enable the exact fault location to be determined easily by site investigation.

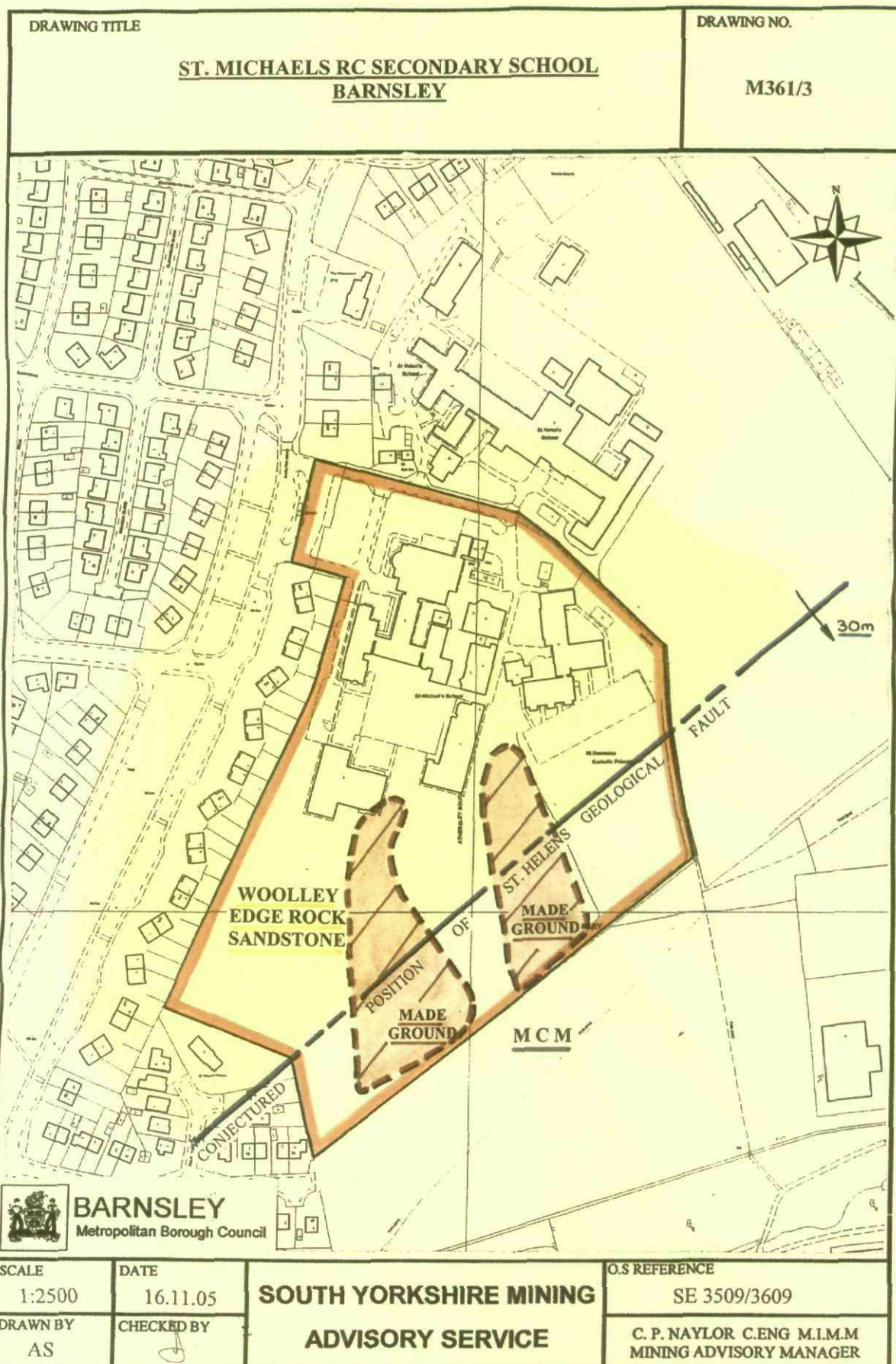
4. Due to the possible fissured sandstone, backfill deposits, fairly shallow coal seam workings and geological faulting, precautions should be taken regarding fugitive mine gases in any excavations taking place on site.
5. Historical plan information indicates there has been no evidence of former industrial land use in the vicinity of the site which could cause contamination problems. The nearest being the former Wharncliffe Woodmoor Colliery just to the north.

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C. P. Naylor,
Mining Advisory Manager.

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DRAWING TITLE

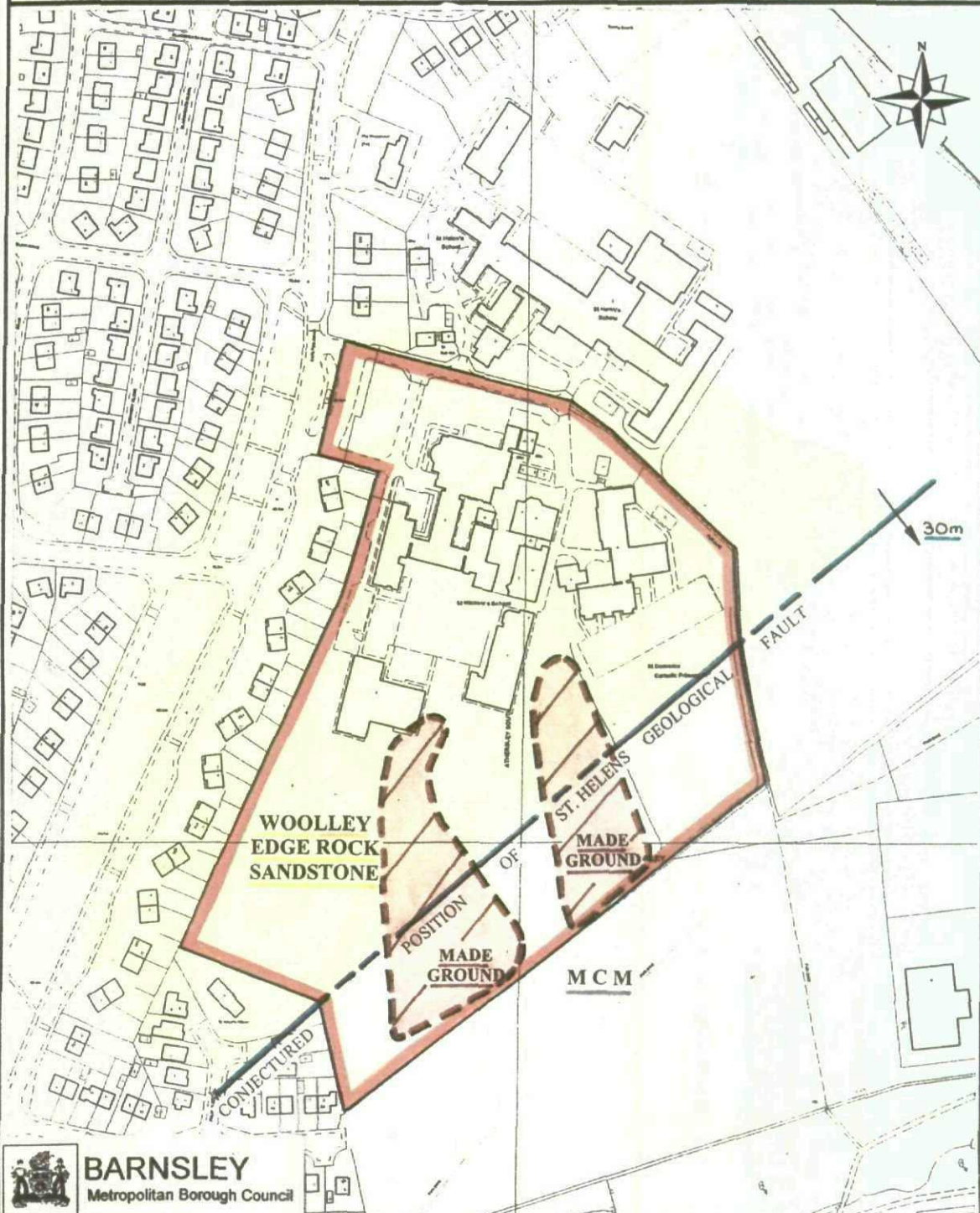
**ST. MICHAELS RC SECONDARY SCHOOL
BARNSELEY**

DRAWING NO.

M361/3

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BARNSELEY
Metropolitan Borough Council

SCALE
1:2500

DATE
16.11.05

SOUTH YORKSHIRE MINING

O.S. REFERENCE

SE 3509/3609

DRAWN BY
AS

CHECKED BY

ADVISORY SERVICE

C. P. NAYLOR C.ENG M.I.M.M
MINING ADVISORY MANAGER