

PLACE DIRECTORATE
South Yorkshire Mining Advisory Service



To: Asset Management

FAO: Paul Allison

My Ref: M2150/3

Your Ref: A00149

Date: 27th October 2016

Enquiries to: Mr. M. Lyons

Ext: 2690

Subject: A00149 – CAR PARK OFF FIELDSSEND ROAD, GOLDTHORPE, S63 9AA.

Further to your consultation request of the 14th October 2016, I can confirm the following.

SITUATION

A mining report has been requested for the car park detailed above and shown edged orange on the attached plan no. M2150/3A. This report provides a review of the mining and geological history of the site and an assessment for the potential for mining legacy risks. The report makes recommendations regarding the need for any investigative and/or remediation requirements.

GEOLOGICAL INFORMATION

Geological records indicate that the land is underlain by shales and mudstones of the Middle Coal Measures, with an area of made ground beneath the northern part of the site, as indicated on the attached plan. No geological faulting is indicated within 40m of the site.

The Highgate coal seam is conjectured to outcrop just to the south-west as indicated. According to geological and past mining information, this coal is anticipated to be in the region of around 600mm in thickness. With strata dipping to the north-east in this vicinity, the coal seam would be expected at shallow depth beneath the site.

MINING

Opencast/Quarries

None recorded with 100m of site.

Shallow Mining

No known shallow coal workings are known in this vicinity, however considering the available information, the risk of any uncharted shallow workings in the Highgate coal seam, to affect surface stability, is considered as **LOW to MODERATE** in this instance.

Deep Mining

Deep mining operations have taken place beneath this area in various coal seams, the latest being in the Newhill seam at around 275m deep in 1979. All subsidence movement from these workings will be long complete, and as no deep coalfields now remain it should not be affected for the foreseeable future.

FORMER LAND USES

According to historical records (O.S. Sheet 275/16 – 1930 Edition) the site is located on a former railway cutting, hence the made ground mentioned earlier. The nature and thickness of this material is uncertain, but some risk will exist for

colliery spoil being encountered, considering the past coal mining and sidings in the wider vicinity.

LANDFILL

According to the Borough Landfill Register the site lies within 250m of past Landfill Site No. 13 of a Category 4 classification, as indicated on the attached plan. Details of this site can be seen in the attached extract from the register, which indicates that 'Demolition and Excavation' material was accepted, presumably within the former railway cutting.

The register details Category 4 as:

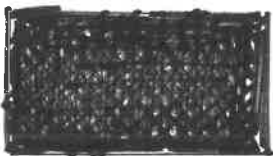
"a site which the Waste Disposal Site Licence indicates has been licensed to accept material that would not be expected to give rise to landfill gas in substantial quantities OR a site which has been granted an exemption from Waste Management Licensing pursuant to the provisions of the Waste Management Licensing Regulations 1994."

CONCLUSIONS

1. The site will be stable from the deep coal mining aspect for the foreseeable future.
2. Shallow coal mining risks are considered as LOW to MODERATE for this site, therefore site investigation work may be required (depending on the nature of proposed development) to mitigate from the risk of historic mining void migration causing surface instability. A prior permit from the Coal Authority would be required for such an investigation.
3. Any coal exposed in future ground works should be blinded off to help prevent spontaneous combustion from occurring.
4. Any future development would need to address the nature and thickness of the made ground that is expected, along with any potential for differential settlement - should for example a building span across natural ground to made ground
5. Considering the possible shallow coal seam, potential for shallow coal workings, made ground with the possibility of colliery spoil and the nearby Category 4 Landfill Site, all usual safety precautions should be taken regarding possible fugitive gases during any future excavation work.

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Report prepared by M. Lyons 27th October, 2016.



Principal Mining Engineer.

DRAWING TITLE

A00149 CAR PARK OFF FIELDSEND ROAD

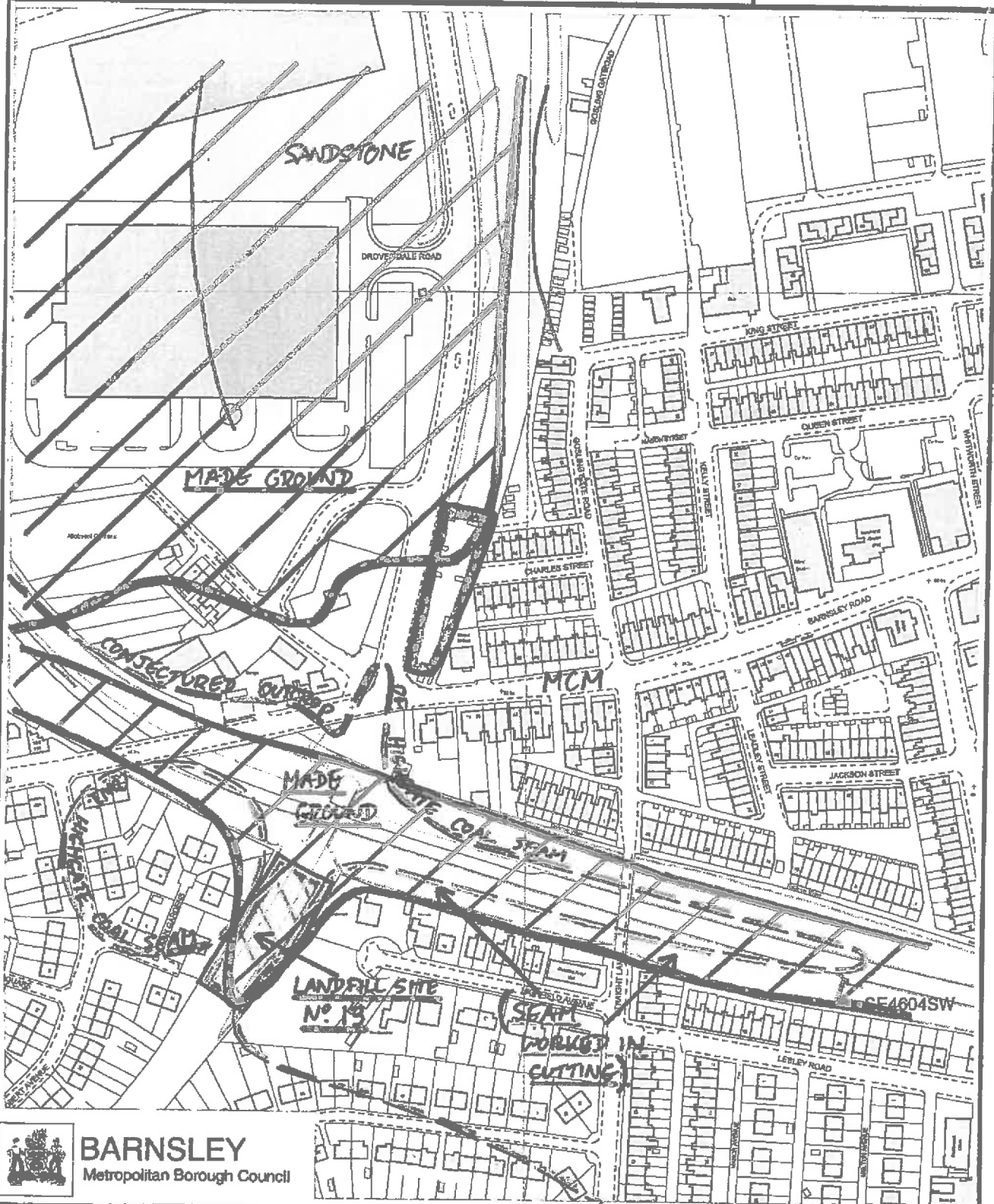
GOLDTHORPE S63 9AA

DRAWING NO.

MZ150/3A

2012

EMBC Licence Number 100022284



BARNSELY
Metropolitan Borough Council

SCALE
1:2500

DATE
27-10-16

SOUTH YORKSHIRE MINING

O.S REFERENCE
SE 4604

DRAWN BY
MAL

CHECKED BY
[Signature]

ADVISORY SERVICE

P JAMES BSc (Hons)
PRINCIPAL MINING ENGINEER

LANDFILL SITES REGISTER - LANDFILL GAS MONITORING

No.	Site	National Grid Ref.	Planning Permission	Waste Disposal Site Licence	Site Operator	Landfill Material	Landfill commenced	Landfill completed	Category response	Total Volume 000's m ³	Final Land Use
8 Closed	Dovecliffe Quarry Blacker Hill Barnsley	372 032	B/76/0109/WB B/77/3207/WB	WD2 B2	BMBC	Domestic Industrial Commercial	November, 1976	September 1982	1		Amenity Woodland Restored Amenity Woodland Restored
9 Closed	Chapel Lane Thurnscoe Rotherham Council ownership to South of Chapel Lane only	465 068	B/80/1454/DE	WD2 B7 WD20 B196 WD2 D11	BMBC		July 1978	July 1982	3		Agriculture Restored
10 Closed	Slattercliffe Rd Penistone	242 034	B/77/1513/PU	WD20 B60	BMBC	Foundry Sand Demolition	April 1978	1984	1	50	Recreation Restored
11 Closed	Gerrn Lane Ward Green Barnsley	348 043	B/81/0148/BA B/81/1651/WB B/82/1328/WB B/83/1364/WB B/90/0758/WB	WD20 B327 WD20 B327 WD20 B327 WD20 B327	BMBC	Excavation Demolition Construction	July 1981	1989	4	23	Playing Fields Awaiting completion of Restoration
12 Closed	Lamb Lane Monk Breiton-Barnsley	360 082	B/81/0149/BA	WD20 B328	BMBC	Excavation Waste	August 1981	April 1983	4		Public Open Space Restored
13 Closed	Highfield Ave, Goldthorpe, Rotherham	459 042	B/85/0049/DE	WD20 B474	BMBC	Demolition Excavation	May 1985	November 1986	4	100	Public Open Space Restored