DEC DIRECTORATE
South Yorkshire Mining Advisory Service

BARNSLEY
Metropolitan Borough Council

To:	Highways & Engineering	**FAO:**	Neil Lodge
My Ref:	M4364/6	**Your Ref:**	Former Ceag Site, Kendray St – SYMAS Mining Report
Date:	19th August 2014	**Enquiries to:**	Mr. M. Lyons **Ext:** 2690
Subject:	FORMER CEAG SITE, KENDRAY STREET, BARNSLEY.		

Further to your consultation request of the 12th August 2014, I can confirm the following.

SITUATION

A mining report has been requested for a proposed car park development on the former Ceag site to the south of Kendray Street, Barnsley. 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, as indicated on the attached plan no. M4364/6A.

The conjectured outcrops of the coal seams are indicated in red on this plan, which will dip beneath the land in an easterly direction at a rate of around 1 in 15. The Two Foot seam therefore should not be present at shallow depth beneath the site, but may be encountered at the surface in the eastern extremity. The Winter seam and Top & Low Beamshaw seams are expected at shallow depth beneath the site.

There are no known geological faults in this vicinity.

MINING

Opencast

None recorded nearby

Shallow Mining

There are no recorded workings in any of the shallow coals beneath this location. A site investigation for the Alhambra Centre in June 1986 proved the Winter and Beamshaw seams to be in-tact in that vicinity and to be generally of poor quality with several interstratified dirt bands. However, the Winter seam (up to 1.1m thickness) has been exploited some 600m further to the north-east (Mottram Wood Colliery – prior to 1920) where earlier unrecorded old mineworkings were encountered. Only small scale workings in both the Top Beamshaw (up to 1m thickness) and Low Beamshaw (up to 650mm thickness) are known in the wider vicinity.

Deep Mining

Deep mining operations in the Barnsley Coal Seam (2.6m thickness) have taken place beneath this area at over 100m deep during the mid 19th century. All subsidence movement from these workings will be long complete, and with the site now being remote from the active coalfield it should not be affected for the foreseeable future.

FORMER LAND USES

The attached plan no. M4364/6B, taken from County Sheet 274/7 1932 Edition, shows the former Ceag Works and nearby residential properties. Other former land uses in this vicinity included railway sidings, various mills, works and foundaries, gas and electricity works and a tramway. Former basement cellars may have existed in some of these past properties along with various utilities/services.

LANDFILL

The area of land under consideration does not lie within 250m of a former Landfill Site, as indicated on the current Borough Landfill Site Map.

CONCLUSIONS

1. Deep coal mining beneath this land is now long complete, therefore the site will be stable from the deep coal mining subsidence aspect and being remote from any currently active coalfield it should remain in this state for the foreseeable future.

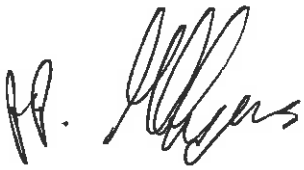
2. In terms of the shallow coal mining position, although there are no known workings in the shallow seams beneath this location, there will be a LOW to MODERATE risk of old historic workings being present that may cause a stability issue at the surface. Considering the nature of the proposed development, a limited intrusive site investigation to determine the depth and nature of the shallow Winter and Top Beamshaw coal seams would be recommended. Boreholes either to the base of the Top Beamshaw seam or a maximum depth of 24m would be thought adequate in this instance. Prior consultations/permission with/from Coal Authority would be required.

3. During future development, any coal exposed should be removed and/or sides blinded off with a suitable inert material to avoid the risk of spontaneous combustion.

4. Future development works should take into account the possibility of former foundations/services/contamination from the past mills, works, foundries, former dwellings, railway siding and tramway etc which once existed in the general area.

5. Considering the potential for shallow coal along with the nature of the past industrial land uses etc, all the usual safety precautions should be taken regarding potential fugitive gases if construction personnel are required to work in deep or confined excavations.

I trust this satisfies your enquiry at this stage, please feel free to contact me for any further information or advice.



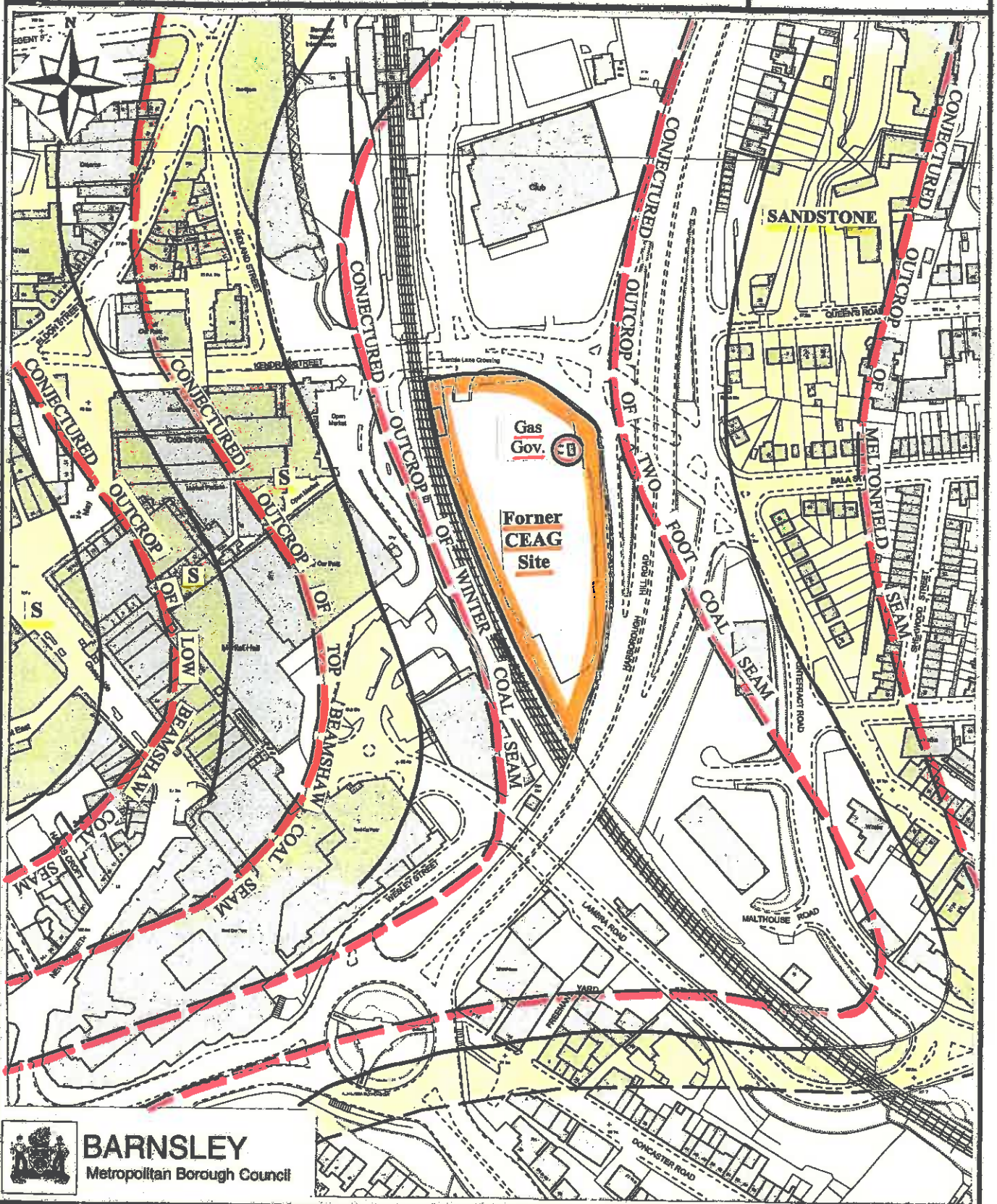
Principal Mining Engineer.

DRAWING TITLE

CEAG SITE
KENDRAY STREET, BARNSLEY

DRAWING NO.

M4364/6A



BARNSLEY
Metropolitan Borough Council

SCALE	DATE	SOUTH YORKSHIRE MINING ADVISORY SERVICE	O.S REFERENCE
1:2500	18.8.14		SE 3406
DRAWN BY: AS	CHECKED BY:		P. JAMES BSc (Hons). PRINCIPAL MINING ENGINEER

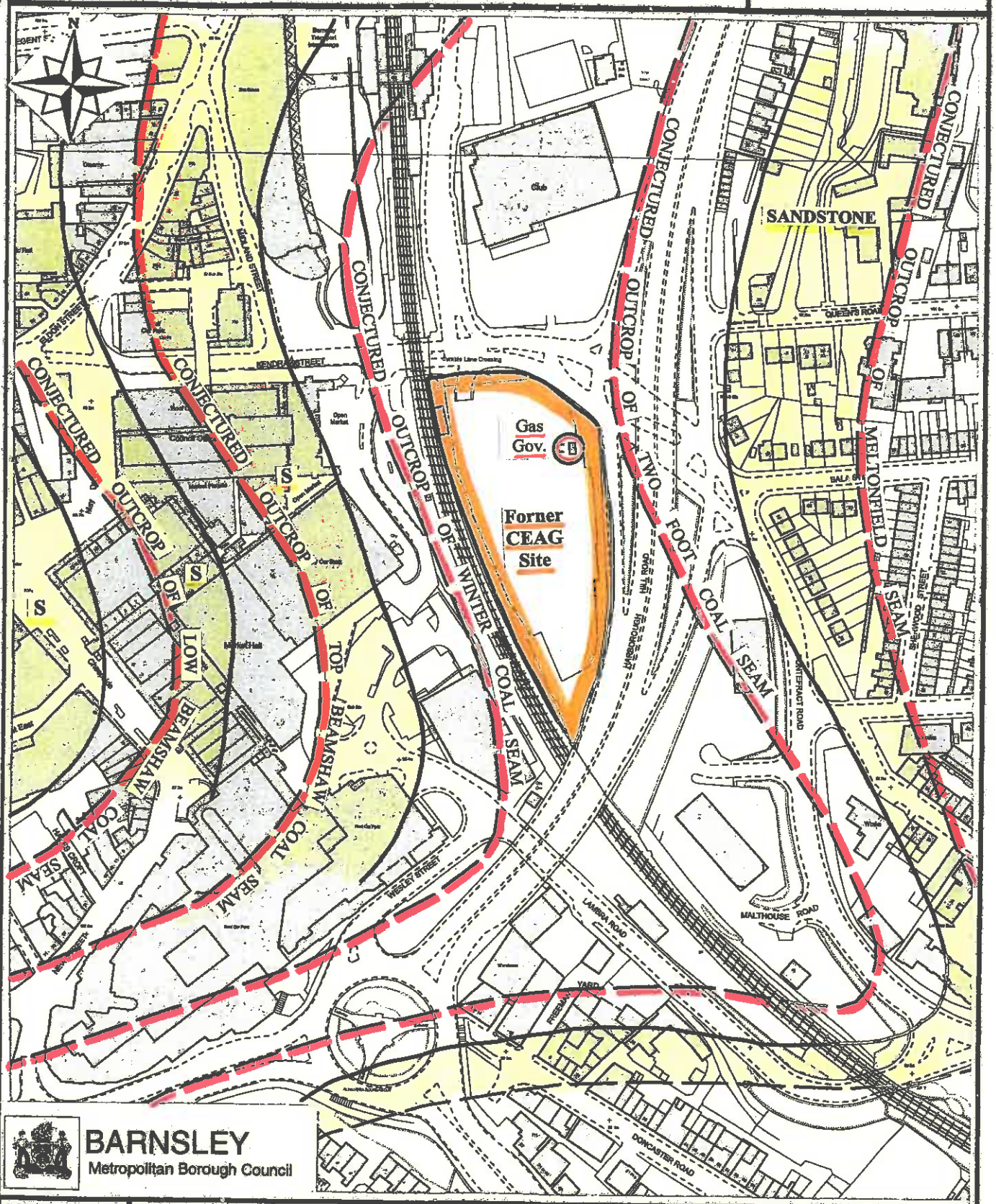
BMBC Licence Number 100022264 2012
Reproduced from the Ordnance Survey mapping with the permission of the Controller of Her Majesty's Stationery Office © Crown copyright.
Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings.

DRAWING TITLE

CEAG SITE
KENDRAY STREET, BARNSLEY

DRAWING NO.

M4364/6A



BARNSLEY
Metropolitan Borough Council

SCALE	DATE	SOUTH YORKSHIRE MINING ADVISORY SERVICE	O.S REFERENCE
1:2500	18.8.14		SE 3406
DRAWN BY	CHECKED BY		P. JAMES BSc (Hons) PRINCIPAL MINING ENGINEER
AS	MJC		

BMBC Licence Number 100022264 2012

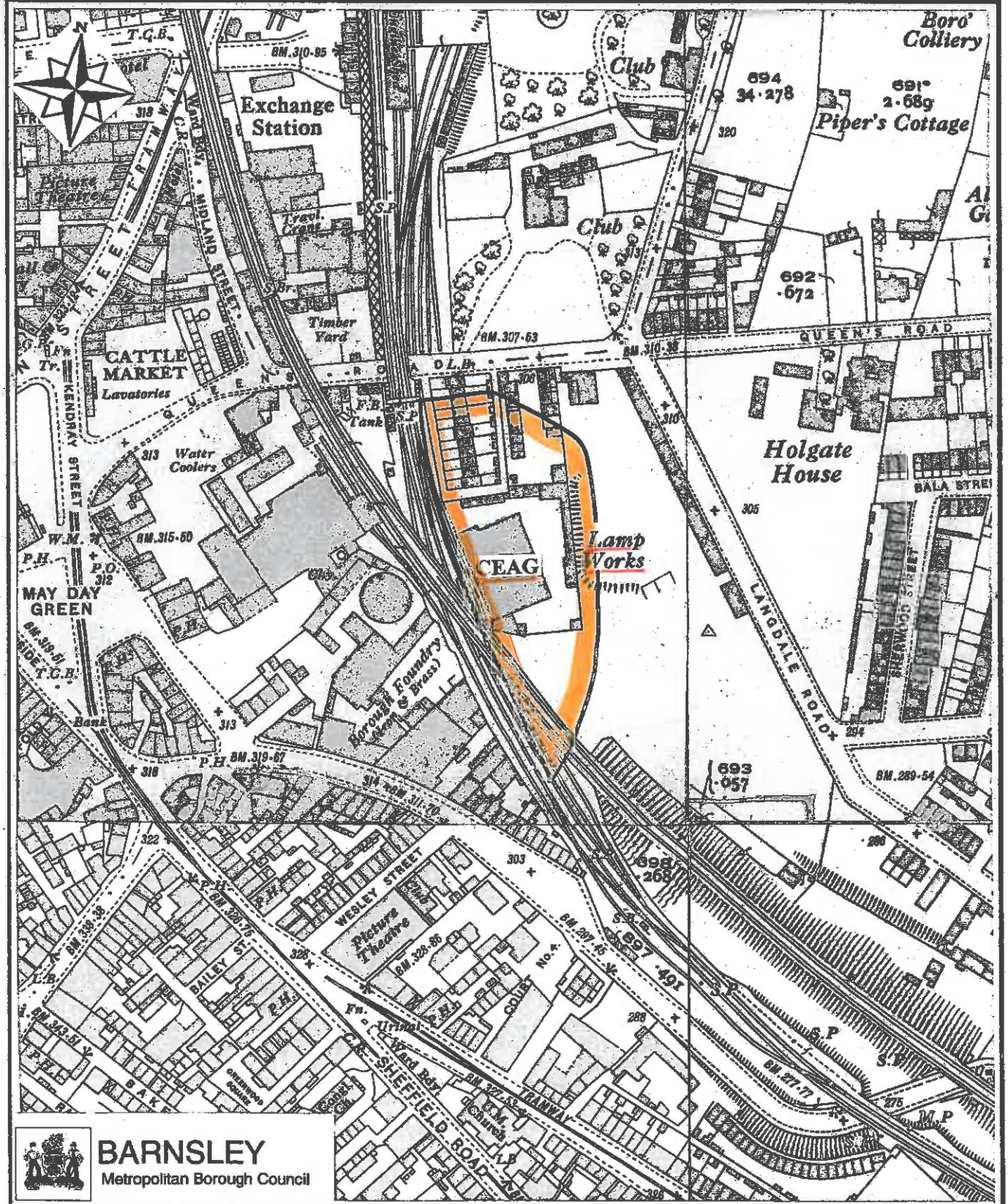
Reproduced from the Ordnance Survey mapping with the permission of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings.

DRAWING TITLE

CEAG SITE
KENDRAY STREET, BARNSLEY

DRAWING NO.

M4364/6B



BARNSLEY
Metropolitan Borough Council

SCALE	DATE		O.S REFERENCE
1:2500	18.8.14	**SOUTH YORKSHIRE MINING ADVISORY SERVICE**	274/7-1932 Edition
DRAWN BY: AS	CHECKED BY:		P. JAMES BSc (Hons). PRINCIPAL MINING ENGINEER

BMBC Licence Number 100022264 2012

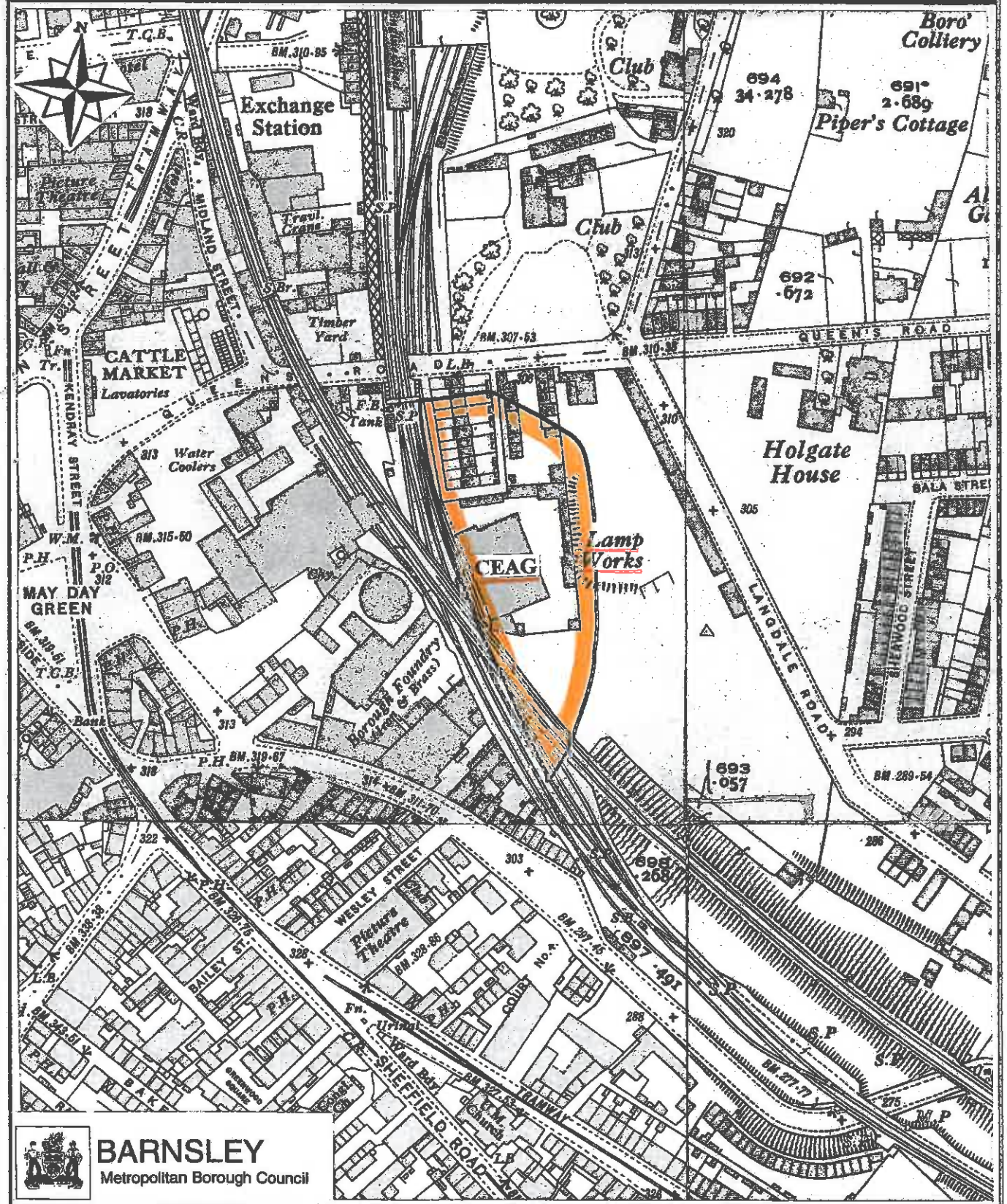
Reproduced from the Ordnance Survey mapping with the permission of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings.

DRAWING TITLE

CEAG SITE
KENDRAY STREET, BARNSLEY

DRAWING NO.

M4364/6B



BARNSLEY
Metropolitan Borough Council

SCALE	DATE		O.S REFERENCE
1:2500	18.8.14	**SOUTH YORKSHIRE MINING ADVISORY SERVICE**	274/7-1932 Edition
DRAWN BY: AS	CHECKED BY: MAC		P. JAMES BSc (Hons). PRINCIPAL MINING ENGINEER

BMBC Licence Number 100022264 2012

Reproduced from the Ordnance Survey mapping with the permission of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings.