

Our Ref: MTCL/14545/Let1

Your Ref:

Contact: Mathew Lake

2nd December 2020

Merthyr Valley Homes Limited (by email)

For the attn. of Mr Paul Wyatt

Dear Paul,

MINING INVESTIGATION METHODOLOGY: GLASIER ROAD, MERTHYR TYDFIL

Previous desk based coal mining risk assessment has identified a potential ground stability risk from shallow underground mining. As such it is deemed necessary to undertake intrusive exploratory works to establish the underlying solid geology and investigate the presence of shallow mining beneath the proposed development site.

1.0 Plant

To undertake the works a rotary drilling rig will be required. This will be provided by Apex Drilling Services Limited who propose to use a Berrata T44 rotary drilling rig.

2.0 Site Access

Site access will be from Glasier Road. Suitable access is available for the drilling rig, equipment and low loader.

3.0 Coal Authority Permit to Drill

Prior to commencing work on site, a formal permit application will be made to the Coal Authority to be able to enter/disturb any coal seams or mine workings located beneath the site. Works will not commence until the Coal Authority issue their permit to drill which generally takes 4 weeks.

4.0 Drilling Investigation

The current proposal for the site is to construct two prefabricated one bedroom dwellings and a separate laundry building. The proposed investigation consists of drilling a total of four rotary boreholes. Three boreholes will be drilled across the footprint of the two proposed dwellings and one borehole beneath the footprint of the laundry building.

The boreholes will initially be taken down to a depth of 30m below existing ground levels. If significant depths of fill/superficial soils are encountered, then the boreholes will be

extended down to a depth to identify coal seam depths and to prove suitable rock cover for each seam.

The boreholes will be drilled using water flush as the flushing medium to prevent the migration of possible ground gas to nearby buildings during drilling works.

Upon completion of each borehole, boreholes will be backfilled using a bentonite cement to prevent future migration of mine gas

We trust that the above is to your satisfaction, however, if you have any queries or require any further information please do not hesitate to contact us.

Yours sincerely

for: Terra Firma (Wales) Ltd



Mr Mathew Lake