



ARP Geotechnical Ltd 5 & 6 Northwest Business Park, Servia Hill, Leeds, LS6 2QH
c 0113 2458498 m leeds@arpgeotechnical.co.uk w www.arpconsultingengineers.co.uk

Mr M Cain
Camstead Ltd
3 The Gateway North
Marsh Lane
Leeds LS9 8AX

BY E-MAIL

Our Ref: CAM/07/AMJ/l8

15th June 2022

Dear Mark

Land At Abbey Road North, Shepley
Soils Validation – Plots 6 to 9

In accordance with our commission, we visited the above site on the 7th April 2022, to confirm the soil cover blanket thickness on the above plots.

Background

Camstead Ltd is presently constructing new properties on the site located on land off Abbey Road North in Shepley, Huddersfield.

A Ground Investigation Report had been carried out by ARP Geotechnical Ltd and the made ground below the site had been identified to be contaminated, including contamination with asbestos fibres. A Contamination Remediation Statement was produced in order to gain approval from the Planning Authority. It is understood that this statement (Ref CAM/07reml V2 dated 27/04/2021) has been approved/agreed to by the Planning Authority. A clean cover, comprising of 0.6m of clean topsoil and subsoil and a 0.1m hardbreak layer or robust geotextile, is required above any made ground present on site.

Subsequent to the above, further testing of plot garden areas and stockpiles present on the site was undertaken by RGS Ltd in late November 2021 and presented in their Report on Environmental Assessment (Ref C2186/21/E/3375) dated December 2021. These stockpiles were not present on the site or accessible at the time of the ARP investigation, and there had been some movement of soils on the site since the original investigation. The testing identified localised contamination within the made ground in garden areas, and within two stockpiles - one stockpile to be removed off-site (SPH) and one stockpile to be placed beneath hardstanding areas (SPB). All other stockpiles were deemed suitable for use anywhere on site. Additional testing was undertaken by RGS Ltd and this is presented in their report Ref C2186/22/E3697 dated February 2022. The additional testing confirmed the suitable use of all other stockpiles anywhere on site. One of the stockpiles (SPC) is of site won topsoil and has been identified as suitable for use in residential gardens. Numerous stockpiles of site won subsoil were also tested and identified as suitable for re-use in residential gardens also.

Site Works

During the site visit on the 7th April 2022, two trial pits were excavated, one each in the rear gardens of plots 6 to 9, at the positions indicated on the enclosed plan. At each trial pit, when the soil profile was inspected, there was a covering of brown, slightly gravelly slightly sandy clayey topsoil to depths of at



least 0.2m. The topsoil was underlain by subsoil as a brown slightly sandy slightly gravelly clay to a total depth of between 0.7m to 0.8m. Made ground was not identified to be present in this area of the site during the excavation works but a layer of crushed brick and stone was placed at the base of the clean cover. This stone was saturated at the time of the inspection. Photographs of the trial pits are included below.



Plot 6 and 7: Validation trial pit showing depth to bottom.



Plot 6 and 7: Wide view of validation trial pit.



Plot 8 and 9: Validation trial pit showing depth to bottom.



Plot 8 and 9: Wide view of validation trial pit location.

Conclusions

In the light of the above, it is concluded that, on Plots 6 to 9, the requirements for the cover blanket thickness from the Remediation Statement have been met. The materials utilised for the cover blanket were clean site won topsoil and subsoil which had been previously stockpiled and tested on site.

We trust the above is satisfactory for your requirements. However, if you wish to discuss the matter further, please do not hesitate to contact us at your convenience.

Yours sincerely
for ARP GEOTECHNICAL LTD

A Jones

Encs

