

VERIFICATION REPORT

DATE: 20 January 2017

PREPARED BY: Margita Millers, director for Merco Place Ltd
8 Northlands Park, Emsworth, Hampshire PO10 7EY

SITE ADDRESS: plots 1,2,3 at 8 New Brighton Road, Emsworth, PO10 7PS

NEW POSTAL ADDRESS: Nos 1,3,5 Northlands Park, Emsworth PO10 7EY

PLANNING PERMISSION REF: APP/15/00638, condition 13

As recommended by Site Investigation report from January 2016 by Your Environment (ref.YE2259) the fieldworks were carried out on 15th February and 15th March 2016 as described in Validation report dated 5th October 2016 by Your Environment (ref.CH/YE2340) attached to application to discharge condition 13 of permission ref. APP/15/00638. Following which verification works were completed in order to ensure that:

- 1) all significantly contaminated material has been removed,
- 2) that the removed material is appropriately disposed of,
- 3) that the backfill materials are not harmful to health or the environment and the topsoil is clean and suitable for use – in terms of its chemical quality, and in terms of its amenity (for example, being reasonably free from physical waste inclusions, and suitable as a growth medium).

The contaminated soil removed from the rear gardens of plots 1,2,3 as described in validation report dated 05/10/16 was stored on site in stockpile (photo 1)



Photo 1 – Contaminated soil – stored at the side of the drive ready for collection

We have engaged L&S Waste Management Ltd to arrange this soil removal and treatment. The soil laboratory test results were provided to L&S Waste prior removal and the soil was removed from site on 17th January 2017 and transferred to Keltbray Ltd Harts Farm Way disposal site. Waste transfer notes attached in appendix 1.

Excavated area of rear gardens of plots 1,2,3 was backfilled with site-won soils and topsoil arising from stripping surface materials and from foundation excavations within building footprints & under areas of new hard-surfacing. Subsoils consisted of some clay, chalk, land-based small gravel covered with 200-250mm deep top layer of topsoil for lawn and plant growing.

It was agreed with Havant Borough Council's Environmental Control Officer Jonathan Driver that samples of backfilled topsoil must be taken by ourselves (without involvement of environmental professional) and stored & transported in accordance with the laboratory's advice, and to be analysed by a MCERTS accredited facility for the CLEA metals suite only.

On 10th January 2017 we have taken 3 samples: one from each plot (photos 2- 7) The holes of approximately 300mm x 300mm x 450mm (length x width x depth) were dug in each plot in locations as shown on plan (appendix 2) and the samples were taken from arisings of top soil only



PHOTO 2 – Plot 1 rear garden
Plot 1 - No 1 Northlands Park



PHOTO 3 – soil sampling hole



PHOTO 4 – plot 2 rear garden
Plot 2 - No 3 Northlands Park



PHOTO 5 – plot 2 soil sampling hole



PHOTO 6 - plot 3 rear garden
Plot 3 - No 5 Northlands Park



PHOTO 7 – plot 3 soil sampling hole

The soil samples were taken with the small shovel, which was cleaned after each plot. Sample placed in laboratory supplied containers and marked with postal address of each plot. Containers placed and stored in cool box supplied by laboratory ready for transportation. MCERTS laboratory QTS Environmental Ltd has collected the samples the same day and took them for analysis to their laboratory in Kent.

The topsoil test results were returned on 18th January 2017 (appendix 2) and show the Lead concentration below the maximum allowable Soil Guideline Value (SGV) of 450mg/kg:

Plot 1 – No 1 Northlands Park – showing lead concentration of 47 mg/kg
 Plot 2 – No 3 Northlands Park – showing lead concentration of 51 mg/kg
 Plot 3 – No 5 Northlands Park – showing lead concentration of 81 mg/kg

Conclusion

To the best of my ability and knowledge we have proved in this report that:

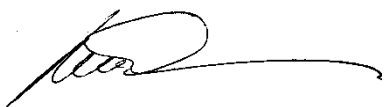
- 1) all contaminated soil has been removed from the site and disposed of safely
- 2) the backfilled soil is safe and not harmful to one's health or the environment and that in terms of its chemical quality and its amenity the topsoil is clean and suitable for use in the garden

Appendix 1 – L&S Waste Management - Waste transfer notes

Appendix 2 – Site plan showing three locations of backfilled top soil sampling

Appendix 3 – QTS Environmental Ltd – Laboratory soil analysis report

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