



E3P

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Ref: 14-000-V1
Date: 24th March 2020

Ben Walton
Gleeson Homes
Sandringham House
Hollinsbrook Park
Little 66 (off Roach Bank Road)
Bury
BL9 8RN

BY Email

Dear Ben,

GARDEN VALIDATION BALDERSTONE ROAD, ROCHDALE

An E3P engineer attended the above site to validate the thickness of the cover system that had been placed within the rear garden of plots 83-85 & 91 of Balderstone road, Rochdale.

In total four hand excavated trial pits were advanced with the resulting strata detailed to the rear of this letter. All trial pits were completed to highlight the required cover system of 600mm (150mm topsoil and 450mm subsoil).

E3P can confirm that our independent validation demonstrates that all gardens have been installed with 150mm of certified topsoil and at least 450mm subsoil in accordance with the NHBC requirements for a site of this nature.

TOPSOIL

E3P attended site on 12th March 2020 to obtain three samples of the stockpiled topsoil deposits which were analysed in accordance with the E3P Remediation Strategy. Chemical analysis confirmed that these topsoil deposits were chemically suitable for use within the proposed garden areas.

Chemical analysis results are included within lab report 20-92854 (attached to this letter).

SUBSOIL

E3P attended site on 12th March 2020 to obtain three samples of the stockpiled subsoil deposits which were analysed in accordance with the E3P Remediation Strategy. Chemical analysis confirmed that these subsoil deposits were chemically suitable for use within the proposed garden areas.

Chemical analysis results are included within lab report 20-92854 (attached to this letter).



Cover system validation photographs are enclosed within this letter.

I trust this information is satisfactory to your requirements, and should I be able to be of any further assistance, please do not hesitate to contact me.

Yours sincerely,

For and on behalf of E3P Ltd



Alex Smith
Principal Geo-Environemntal Consultant



Site: Balderstone Road, Rochdale

Date: 09-03-2020

Project Number: 14-000

Project Manager: A. Smith

E3P Engineer: T. Preston

Plot Numbers Validated: 83-85 & 91

Chemical Laboratory Analysis

Analysis for topsoil and subsoil undertaken by I2 Analytical Laboratory using UKAS accredited methods where applicable.

Chemical analysis suite comprises heavy metals, sulphates, phenols, speciated Polycyclic Aromatic Hydrocarbons (PAHs), speciated and total Petroleum Hydrocarbons (TPH) and asbestos.

Sampling frequency in accordance with the agreed Remediation Strategy. Laboratory analysis certificates attached to this validation certificate.

	Topsoil	Subsoil
<i>Chemical analysis confirmed materials suitable?</i>	Pass	Pass
<i>Further Comments</i>	N/A	N/A



Plot No: 83

Depth of Strata (m bgl)	0.15	Validated TOPSOIL
	0.45	Validated SUBSOIL

Depth of Cover System Materials



Depth of Cover System Materials



Depth of Cover System at Ground Level



Depth of Cover System in Relation to Plot



Plot No: 84

Depth of Strata (m bgl)	0.15	Validated TOPSOIL
	0.45	Validated SUBSOIL

Depth of Cover System Materials



Depth of Cover System Materials



Depth of Cover System at Ground Level



Depth of Cover System in Relation to Plot



Plot No: 85

Depth of Strata (m bgl)	0.15	Validated TOPSOIL
	0.45	Validated SUBSOIL

Depth of Cover System Materials



Depth of Cover System Materials



Depth of Cover System at Ground Level



Depth of Cover System in Relation to Plot



Plot No: 91

Depth of Strata (m bgl)	0.15	Validated TOPSOIL
	0.45	Validated SUBSOIL

Depth of Cover System Materials



Depth of Cover System Materials



Depth of Cover System at Ground Level



Depth of Cover System in Relation to Plot

