

Ref. 2240891-01 (00)

NFC Homes
78 Pall Mall
London
SW1Y 5ES

4th March 2024

VALIDATION STATEMENT
Stainby Road, Tottenham Hale, London, N15 4EA

1. In relation to the current development at the above site, it has been necessary to investigate and remediate the ground conditions to satisfy standard environmental planning conditions.
2. The development comprises two semi-detached residential dwellings with front and rear private gardens. A final development plan is attached.
3. The site is situated to the south of Stainby Road, between Nos. 2 and 6, approximately 435m to the southwest of Tottenham Hale Underground Station.
4. The following reports have previously been undertaken in relation to the proposed development:
 - Phase 1 Environmental Report, GO Contaminated Land Solutions, reference 2000-P1E-1, dated December 2020.
 - Phase 2 Environmental Investigation, reference 2162-P2E-1, dated October 2021.
 - Remediation Strategy and Verification Plan, GO Contaminated Land Solutions, reference 2162-P3E-1, dated December 2021.
5. On the basis of the Phase 1 and Phase 2 Environmental Investigations, the remediation strategy produced by GO Contaminated Land Solutions reported the following:
 - Previously the site had been in residential use, occupied by terraced houses.
 - The Phase 2 Environmental Investigation identified concentrations of lead exceeding human health screening criteria for the proposed residential end use. The elevated concentrations were identified in two trial pits (TP2 and TP3).
 - Geological records indicate that the site is not underlain by an aquifer in the superficial stratum and therefore, there is not considered to be a significant potential for contaminants to be transported either to or from site in groundwater.

6. Based on information within the previous reports, the proposed remedial actions were as follows:

- Removal from site of made ground to a depth of at least 600mm below finished level in proposed soft landscaped areas. Where the depth of made ground is less than 600mm, it is not necessary to remove the underlying stratum.
- Clean soil free from invasive plants and complying with the relevant human health screening criteria for the proposed end use of residential with homegrown produce shall be used to replace excavated material and raise the proposed soft landscaped areas up to finished level.
- Made ground may remain beneath external impermeable or permeable hard standing. The pavement construction shall be a minimum of 300mm in order to provide a suitably robust barrier between any remaining potentially contaminated made ground and site users.
- Around the site perimeter where it is not practicable to remove soil to a depth of 600mm due to the risk of instability of neighbouring structures, walls or fences, the ground should be excavated down to level with the underside of the foundation and then battered at a slope of one in three down to 600mm below proposed finished level.
- Excavated material removed from the site should be taken to an appropriate landfill facility. If any potentially contaminated spoil is to be removed from the site, Waste Acceptance Criteria (WAC) testing should be agreed with the facility to which the material is being transported.
- Appropriate water supply pipe should be installed in accordance with the requirements of the water supplier. Unless confirmation is received from the water supplier that a standard pipe is suitable, protecta-line barrier pipe should be used.
- A watching brief is to be maintained by a suitably experienced person during ground works with instructions to advise GO Contaminated Land Solutions Ltd should any made ground appear to vary significantly from the soil sampled and tested during the previous investigation.

7. Once complete, the following works were proposed to validate the remediation undertaken:

- In order to demonstrate that the made ground within the soft landscaped areas has been removed to a depth of 600mm or to natural strata, photographs will be taken of the proposed soft landscaped areas following the removal of made ground.
- Test certification for any proposed fill, demonstrating compliance with the requirements detailed in the strategy is to be obtained prior to importation. Documentation such as purchase records to confirm the volume of imported material is also to be provided.
- Following placement of the topsoil, verification samples will be taken and tested to confirm that the material complies with the requirements detailed in the strategy. A minimum of three verification samples will be taken.
- Three verification pits will be excavated to a minimum depth of 600mm to confirm the thickness of the capping layer.

- Documentation is to be supplied confirming installation of the correct water supply pipe.
8. Information for validation of the capping layer has been provided by the developer, who has confirmed the following:
 - The soft landscaped areas total 62m², as indicated on the attached landscaping plan.
 - Excavation to 600mm below ground level (BGL) has been undertaken in accordance with the remediation strategy to allow for the required capping thickness, resulting in removal of approximately 37m³ of existing soil, though allowing for 30% expansion has resulted in the total excavated volume being approximately 48m³.
 - Muckaway tickets have been provided to document the disposal of a total volume of 96m³ of excavated material from the site, which includes the material excavated to allow for the capping layer and other materials removed from the site during the development.
 - A total of volume of 47.66m³ of topsoil was imported as follows:
 - 1 No. 20 tonne order (approximately 13.4m³ based on 1 tonne = 0.67m³)
 - 1 No. 10 tonne order (approximately 6.7m³ based on 1 tonne = 0.67m³)
 - 1 No. 4.375 tonne order (approximately 2.93m³ based on 1 tonne = 0.67m³)
 - 1 No. 17.5 tonne order (approximately 11.73m³ based on 1 tonne = 0.67m³)
 - 1 No. 8.75 tonne order (approximately 5.86m³ based on 1 tonne = 0.67m³)
 - 1 No. 5.25 tonne order (approximately 3.52m³ based on 1 tonne = 0.67m³)
 - 1 No. 4.375 tonne order (approximately 2.93m³ based on 1 tonne = 0.67m³)
 - 1 No. 0.875 tonne order (approximately 0.59m³ based on 1 tonne = 0.67m³)
 9. The works were undertaken between December 2022 and February 2024. A plan showing the final development and landscaped areas within which remediation was required is attached.
 10. Copies of the waste consignment documentation confirming the removal of material from the site as detailed above have been provided by the developer and are attached.
 11. Certificates of analysis from the suppliers for the imported topsoil are attached, together with copies of the delivery notes, in accordance with the details supplied by the developer.
 12. Independent validation sampling was undertaken by Mayer Environmental Ltd following importation of the topsoil capping layer. A copy of the report by Mayer is attached, reference 129-003081, dated 21st February 2024.
 13. Three 'spot' samples were taken from across the site and referenced 'V1', 'V2' and 'V3'. The samples visually appeared homogeneous, comprising dark brown clayey, sandy topsoil with occasional fine subrounded gravel of flint. Occasional fine organic matter fragments and a slight organic odour were noted. Photographs were taken to confirm that the topsoil had been placed to a depth of 600mm.

14. All of the reported soil concentrations have been compared to the Generic Assessment Criteria (GAC) based on the published Suitable 4 Use Levels (S4ULs) and Category 4 Screening Level (C4SLs) where applicable. A 2.5% soil organic matter (SOM) threshold has been assumed for organic determinands found within the sampled soils based on the analysis.
15. All the results were below the GAC and asbestos was not identified. Consequently, the imported soil was considered suitable for use within the gardens and planted areas, as summarised in the table below:

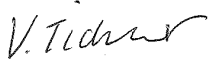
Determinant	Soil Concentration Range (mg/kg)	Guidance Value (mg/kg)
Asbestos	Not detected	-
Arsenic	7.6 – 11	37
Boron	1.1 – 1.8	290
Cadmium	0.1 – 0.35	11
Chromium (III)	17 – 42	910
Chromium (VI)	<0.5	6
Copper	16 – 29	2400
Lead	21 – 48	200
Mercury	<0.05 – 0.19	40
Nickel	3.1 – 12	130
Selenium	<0.25 – 0.29	250
Zinc	47 – 110	3700
Acenaphthene	<0.01	510
Acenaphthylene	<0.01	420
Anthracene	<0.01	5400
Benzo(a)anthracene	<0.1 – 0.99	11
Benzo(a)pyrene	<0.1 – 0.39	2.7
Benzo(b)fluoranthene	<0.1 – 0.7	3.3
Benzo(ghi)perylene	<0.01	340
Benzo(k)fluoranthene	<0.01 – 0.26	93
Chrysene	<0.01 – 0.57	22
Dibenzo(ah)anthracene	<0.01	0.28
Fluoranthene	0.26 – 0.57	560
Fluorene	<0.01	400
Indeno(123-cd)pyrene	<0.01	36
Naphthalene	<0.01	5.6
Phenanthrene	<0.01 – 0.36	222
Pyrene	0.2 – 0.56	1200
Phenol	<0.1 – 0.13	200

Determinant	Soil Concentration Range (mg/kg)	Guidance Value (mg/kg)
TPH Aliphatic EC 5-6	<1	78
TPH Aliphatic EC >6-8	<1	230
TPH Aliphatic EC >8-10	<1	65
TPH Aliphatic EC >10-12	<1	330
TPH Aliphatic EC >12-16	<1	2400
TPH Aliphatic EC >16-35	<1	92000
TPH Aromatic EC 5-7	<1	140
TPH Aromatic EC >7-8	<1	290
TPH Aromatic EC >8-10	<1	83
TPH Aromatic EC >10-12	<1	180
TPH Aromatic EC >12-16	<1	330
TPH Aromatic EC >16-21	<1	540
TPH Aromatic EC >21-35	<1	1500
Benzene	<0.001	0.17
Toluene	<0.001	290
Ethylbenzene	<0.001	110
P & m Xylenes	<0.001	130
o Xylene	<0.001	140

16. Photographs showing the thickness and composition of the imported topsoil capping layer above are attached. The photographs confirm that the final capping thickness was at least 600mm in the remediated areas.
17. The developer has confirmed that barrier pipe was adopted for the new potable water supplies, which was agreed and approved by the local water authority (Thames Water). A site plan showing the route of the new pipes and photographs showing the installation of the barrier pipe are attached.
18. A watching brief was carried out by the developer throughout the development to identify any further sources of contamination. The developer has confirmed that no unexpected contamination was encountered at any stage during the construction works.
19. It is considered on the basis of the validation work undertaken and detailed above, that all potential pollutant linkages have been suitably addressed for the development and no long-term pollutant linkages remain that would require ongoing management.

We trust this is satisfactory for your requirements.

Yours faithfully



Victoria Tickner
Principal Environmental Engineer

Encs.

Final Development and Landscape Plan
Waste Consignment Documentation
Supplier Topsoil Certificates
Topsoil Delivery Notes
Independent Validation Sampling and Analysis
Site Photographs
Thames Water Plan and Photographs

FINAL DEVELOPMENT AND LANDSCAPE PLAN



NOTES

This drawing to be read in accordance with the specification/Bills of Quantities and related drawings.

No Dimensions to be scaled from this drawing. All stated dimensions to be verified on site and the Architect notified of any discrepancies.

0100100

Scale bar 100mm at 1:1

Legend			
Description	Quantity	Unit	
Area Measurement	62.04	sq m	

T8	Refuse store areas amended, ramp at reduce reduce in width, cycle store position to plot 2 amended as per client comments	07/03/22 BW
T7	WEP positions amended	01/02/22 BW
T6	Dims added to rear ramp	27/01/22 AK
T5	Ramp added for rear access to Plot 1	20/01/22 AK
T4	Bike Store updated to 2000 x 1400mm	18/01/22 AK
T3	Updated following internal Changes	13/01/22 AK
T2	Bike Store amended following client comments	23/11/21 AK
T1	Tender Issue	29.10.21 HR

TENDER

Project
Stainby Park
-
-

Title
Site Layout

Scale	Date	
1:50	A1	29.10.2021
1:100	A3	
Drawn	Checked	
HR	AK	
Drawing Number	Revision	
8503-SAU-SIT-0001-DR-A	T8	

WASTE CONSIGNMENT DOCUMENTATION

REIS GRAB HIRE LTD

137B Roundwood Road, London NW10 9UL
Telephone 020 8459 1475, Mobile 07951 179590
Registered Waste Carrier, CEADWAC Carrier No. CBDU94091

LORRY INFORMATION

CONTRACT NO. PO-00224

7708

Registration: DL66 BOK

☒ Grab ☐ Tipper ☐ Bin

CUSTOMER DETAILS (PRODUCER)

ALL HIRES ARE SUBJECT TO CFA TERMS & CONDITIONS

On behalf of: HFC

Date: 13.12.2022

Site address: STAINBY ROAD, TOTTEHAM

Time on site:

Time off site:

☐ Waiting time ☐ Cancelled job

DESCRIPTION OF WASTE

☒ Soil & Stones EWC 17.05.04

☐ Clean Hardcore EWC 17.01.07

☐ Tarmac/Bitumen EWC 17.03.02

☐ Mixed Construction Waste EWC 17.09.04

☐ Other waste

EWC

☐ Materials Delivery

SIC code

Quantity: ☒ 8 Wheel load ☐ Weight

Tonnes

Waste is: ☒ Loose ☐ Other

ROLLOFF BINS

CASH RECEIVED

☐ 20 yd ☐ 40 yd ☐ Del ☐ Exc ☐ Coll

Amount:

I certify that the above particulars are true and relate to the waste being conveyed or disposed of, or materials being delivered, in pursuance of the note. I am aware of and accept the conditions attached to this note. By signing below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Customer name: MIHAI

Driver name: PAUL

Customer signature:

Driver signature:

DISPOSAL / TRANSFER POINT

☐ Haulage only

Site name:

Ticket no.:

Site address:

☐ Ticket Attached

☐ Waste management license no.

☐ Exempt from license

Depositor signature:

Date:

Account 2, Customer 1, Keep In Book 4, Tip

REIS GRAB HIRE LTD

137B Roundwood Road, London NW10 9UL

Telephone 020 8459 1475, Mobile 07951 179590

Registered Waste Carrier, CEADWAC Carrier No. CBDU94091

LOBBY INFORMATION

CONTRACT NO.

PO009714

09809

Registration:

☒ Grab ☐ Tipper ☐ Bin

CUSTOMER DETAILS (PRODUCER)

ALL HIRES ARE SUBJECT TO CFA TERMS & CONDITIONS

On behalf of:

MFG

Date:

15.12.2022

Site address:

STAINBY ROAD

Time on site:

Time off site:

☐ Waiting time ☐ Cancelled job

DESCRIPTION OF WASTE

☒ Soil & Stones EWC 17.05.04

☐ Clean Hardcore EWC 17.01.07

☐ Tarmac/Bitumen EWC 17.03.02

☐ Mixed Construction Waste EWC 17.09.04

☐ Other (Please specify)

EWC

☐ Materials Delivery

SIC code

Quantity ☐ 8 Wheel load ☐ Weight

Tonnes

Waste is ☐ Loose ☐ Other

ROLOFF BINS

CASH RECEIVED

☐ 20 yd ☐ 40 yd ☐ Del ☐ Exc ☐ Coll

Amount:

I certify that the above particulars are true and relate to the waste being conveyed or disposed of, or materials being delivered, in pursuance of the note. I am aware of and accept the conditions detailed on this note. By signing below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Customer name: VACENTIN M

Driver name:

R132 V1314

Customer signature:

[Signature]

Driver signature:

[Signature]

DISPOSAL / TRANSFER POINT

☐ Haulage only

Site name:

WAEF

Ticket No:

Site address:

☐ Ticket Attached

☐ Waste management license no.

☐ Exempt from license

Disposer signature:

Date:

REIS GRAB HIRE LTD

137B Roundwood Road, London NW10 9UL
Telephone 020 8459 1475, Mobile 07951 179590
Registered Waste Carrier, CEADWAC Carrier No. CBDU94091

09846

LOBBY INFORMATION

CONTRACT NO. 90-009662

Registration:

SD19 UKH

☐ Grab ☐ Tipper ☐ Bin

CUSTOMER DETAILS (PRODUCER)

ALL HIRES ARE SUBJECT TO CPA TERMS & CONDITIONS

On behalf of:

HPC HOMES

Date:

2012 2022

Site address:

6 STABBY ROAD N154 EA

Time on site:

14:15

Time off site:

14:28

☐ Waiting time ☐ Cancelled job

DESCRIPTION OF WASTE

☒ Soil & Stones EWC 17.05.04

☐ Clean Hardcore EWC 17.01.07

☐ Tarmac/Bitumen EWC 17.03.02

☐ Mixed Construction Waste EWC 17.09.04

☐ Other (Please specify):

EWC

☐ Materials Delivery

SIC code

Quantity ☒ 8 Wheel load ☐ Weight

Tonnes

Waste is ☐ Loose ☐ Other

COLON OF BINS

CASH RECEIVED

☐ 20 yd ☒ 40 yd ☐ Del ☐ Exc ☐ Coll

Amount:

I certify that the above particulars are true and relate to the waste being conveyed or disposed of, or materials being delivered, in pursuance of the note. I am aware of and accept the conditions detailed on this note. By signing below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Customer name:

HPC/H

Driver name:

REISMAN

Customer signature:

[Signature]

Driver signature:

[Signature]

DISPOSAL / TRANSFER POINT

☐ Haulage only

Site name:

Ticket No:

Site address:

☐ Ticket Attached

☐ Waste management licence no:

☐ Exempt from licence

Depositor signature:

Date:

1. Accounts 2. Customer 3. Keep In Book 4. Tip

REIS GRAB HIRE LTD

137B Roundwood Road, London NW10 9UL

Telephone 020 8459 1475, Mobile 07951 179590

Registered Waste Carrier, CEADWAC Carrier No. CBDU94091

LORRY INFORMATION

CONTRACT NO. P2-009665

09961

Registration:

KEG5YER

☒ Grab ☐ Tipper ☐ Bin

CUSTOMER DETAILS (PRODUCER)

ALL HIRES ARE SUBJECT TO CPA TERMS & CONDITIONS

On behalf of:

MFC LTD

Date:

20/12/22

Site address:

6 STAINB-1 RD, HILS HEA

Time on site:

Time off site:

☐ Waiting time ☐ Cancelled job

DESCRIPTION OF WASTE

☒ Soil & Stones EWC 17.05.04

☐ Clean Hardcore EWC 17.01.07

☐ Tarmac/Bitumen EWC 17.03.02

☐ Mixed Construction Waste EWC 17.09.04

☐ Other (please specify):

EWC

☐ Materials Delivery

SiC code

Quantity ☒ 8 Wheel load ☐ Weight

Tonnes

Waste is

☒ Loose ☐ Other

ROLLOFF BINS

CASH RECEIVED

☐ 20 yd ☐ 40 yd ☐ Del ☐ Exc ☐ Coll

Amount:

I certify that the above particulars are true and relate to the waste being conveyed or disposed of, or materials being delivered, in pursuance of this note. I am aware of and accept the conditions detailed on this note. By signing below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Customer name: VALENTIN-N

Driver name:

PICOT

Customer signature: Jelin

Driver signature:

[Signature]

DISPOSAL / TRANSFER POINT

Site name:

☐ Haulage only

Site address:

Ticket No:

☐ Waste management license no:

☐ Ticket Attached

Disposer signature:

☐ Exempt from license

Date:

1. Accounts 2. Customer 3. Keep In Book 4. Tip

REIS GRAB HIRE LTD

137B Roundwood Road, London NW10 9UL
Telephone 020 8459 1475, Mobile 07951 179590
Registered Waste Carrier, CEADWAC Carrier No. CBDU94091

09811

LORRY INFORMATION

CONTRACT NO. PO-009665

Registration:

SJ68 JFG

☒ Grab ☐ Tipper ☐ Bin

CUSTOMER DETAILS (PRODUCER)

ALL HIRES ARE SUBJECT TO CPA TERMS & CONDITIONS

On behalf of:

NFC

Date: 21.12.2022

Site address:

STAINBY RD

Time on site:

10:15

Time off site:

☐ Waiting time ☐ Cancelled job

DESCRIPTION OF WASTE

☒ Soil & Stones EWC 17.05.04

☐ Clean Hardcore EWC 17.01.07

☐ Tarmac/Bitumen EWC 17.03.02

☐ Mixed Construction Waste EWC 17.09.04

☐ Other (Please specify)

EWC

☐ Materials Delivery

SIC code

Quantity ☐ 8 Wheel load

☐ Weight

Tonnes

Waste is

☐ Loose

☐ Other

ROLLOFF BINS

CASH RECEIVED

☐ 20 yd

☐ 40 yd

☐ Del

☐ Exc

☐ Coll

Amount:

I certify that the above particulars are true and relate to the waste being conveyed or disposed of, or materials being delivered, in pursuance of the sale. I am aware of and accept the conditions detailed on this note. By signing below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Customer name: MIHA

Driver name: RAZVANI

Customer signature:

Driver signature:

DISPOSAL / TRANSFER POINT

☐ Haulage only

Site name:

Ticket No:

Site address:

☐ Ticket Attached

☐ Waste management license no:

☐ Exempt from license

Disposer signature:

Date:

1. Accounts 2. Customer 3. Keep In Book 4. Tip

REIS GRAB HIRE LTD

137B Roundwood Road, London NW10 9UL

Telephone 020 8459 1475, Mobile 07951 179590

Registered Waste Carrier, CEADWAC Carrier No. CBDU94091

LORRY INFORMATION

CONTRACT NO.

10-009665

09813

Registration:

5768 JFG

☒ Grab ☐ Tipper ☐ Bin

CUSTOMER DETAILS (PRODUCER)

ALL HIRES ARE SUBJECT TO CPA TERMS & CONDITIONS

On behalf of:

NFC

Date: 21/12/2022

Site address:

STAINBY RD

Time on site:

1500

Time off site:

☐ Waiting time ☐ Cancelled job

DESCRIPTION OF WASTE

☒ Soil & Stones EWC 17.05.04

☐ Clean Hardcore EWC 17.01.07

☐ Tarmac/Bitumen EWC 17.03.02

☐ Mixed Construction Waste EWC 17.09.04

☐ Other (please specify)

EWC

☐ Materials Delivery

SIC code

Quantity ☐ 8 Wheel load ☐ Weight

Tonnes

Waste is ☐ Loose ☐ Other

KOLONOF BINS

☐ 20 yd

☐ 40 yd

☐ Del

☐ Exc

☐ Cell

CASH RECEIVED

Amount:

I certify that the above particulars are true and relate to the waste being conveyed or disposed of, or materials being delivered, in pursuance of the sale. I am aware of and accept the conditions detailed on this note. By signing below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Customer name:

VALENTIN.N

Driver name:

RAZVAN

Customer signature:

Jalun

Driver signature:

731114

DISPOSAL / TRANSFER POINT

Site name:

☐ Haulage only

Site address:

Ticket F's

☐ Waste management license no:

☐ Ticket Attached

Disposer signature:

☐ Exempt from license

Date:

1. Accounts 2. Customer 3. Keep In Book 4. Tip

REIS GRAB HIRE LTD

137B Roundwood Road, London NW10 9UL
Telephone 020 8459 1475, Mobile 07951 179590
Registered Waste Carrier, CEADWAC Carrier No. CBDU94091

10442

LORRY INFORMATION

CONTRACT NO. FO-009665

Registration:

GY66274

☒ Grab ☐ Tipper ☐ Bin

CUSTOMER DETAILS (PRODUCER)

ALL HIRES ARE SUBJECT TO CPA TERMS & CONDITIONS

On behalf of:

NTC HOMES

Date: 21.12.22

Site address:

STANWAY RD.

N15 4EA

Time on site:

Time off site:

☐ Waiting time ☐ Cancelled job

DESCRIPTION OF WASTE

☒ Soil & Stones EWC 17.05.04

☐ Clean Hardcore EWC 17.01.07

☐ Tarmac/Bitumen EWC 17.03.02

☐ Mixed Construction Waste EWC 17.09.04

☐ Other (Please specify)

EWC

☐ Materials Delivery

SIC code

Quantity ☒ 8 Wheel load ☐ Weight

Tonnes

Waste is ☒ Loose ☐ Other

ROLONOF BINS

CASH RECEIVED

☐ 20 yd ☐ 40 yd ☐ Del ☒ Exc ☐ Coll

Amount:

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Customer name: VALENTIN H

Driver name: MARINIS

Customer signature: Valentin

Driver signature: Marinis

DISPOSAL / TRANSFER POINT

Site name:

WEXHAM

☐ Haulage only

Site address:

Ticket No:

☐ Waste management license no:

☐ Ticket Attached

Disposer signature:

☐ Exempt from license

Date:

REIS GRAB HIRE LTD

137B Roundwood Road, London NW10 9UL
Telephone 020 8459 1475, Mobile 07951 179590
Registered Waste Carrier, CEADWAC Carrier No. CBDU94091

LORRY INFORMATION

CONTRACT NO.

20-009665

10443

Registration:

GJ66PFA

☐ Grab ☐ Tipper ☐ Bin

CUSTOMER DETAILS (PRODUCER)

ALL HIRES ARE SUBJECT TO CPA TERMS & CONDITIONS

On behalf of:

NFC HOMES

Date:

21.12.22

Site address:

STAINBY RD.

N15

Time on site:

Time off site:

☐ Waiting time ☐ Cancelled job

DESCRIPTION OF WASTE

☒ Soil & Stones EWC 17.05.04

☐ Clean Hardcore EWC 17.01.07

☐ Tarmac/Bitumen EWC 17.03.02

☐ Mixed Construction Waste EWC 17.09.04

☐ Other (Please specify)

EWC

☐ Materials Delivery

SIC code

Quantity

☒ 8-Wheel load

☐ Weight

Tonnes

Waste is

☒ Loose

☐ Other

ROLONOF BINS

CASH RECEIVED

☐ 20 yd

☐ 40 yd

☐ Del

☒ Exc

☐ Coll

Amount:

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Customer name:

MINAI

Driver name:

MARILIS

Customer signature:

[Signature]

Driver signature:

[Signature]

DISPOSAL / TRANSFER POINT

☐ Haulage only

Site name:

WEXHAM

Ticket No:

Site address:

☐ Ticket Attached

☐ Waste management license no:

☐ Exempt from license

Disposer signature:

Date:

1. Accounts 2. Customer 3. Keep In Book 4. Tip

REIS GRAB HIRE LTD

137B Roundwood Road, London NW10 9UL

Telephone 020 8459 1475, Mobile 07951 179590

Registered Waste Carrier, CEADWAC Carrier No. CBDU94091

CONTRACT NO. PO-009665

7625

LORRY INFORMATION

Registration:

ST17 WTY

☒ Grab ☐ Tipper ☐ Bin

CUSTOMER DETAILS (PRODUCER)

ALL HIRES ARE SUBJECT TO CPA TERMS & CONDITIONS

On behalf of:

NFC LTD

Date:

22/12/22

Site address:

6 STAINBURY RD, N15 4EA

Time on site:

Time off site:

☐ Waiting time ☐ Cancelled job

DESCRIPTION OF WASTE

☒ Soil & Stones EWC 17.05.04

☐ Clean Hardcore EWC 17.01.07

☐ Tarmac/Bitumen EWC 17.03.02

☐ Mixed Construction Waste EWC 17.09.04

☐ Other (Please specify):

EWC

☐ Materials Delivery

SIC code:

Quantity: ☒ Wheel load ☐ Weight: Tonnes Waste in: ☒ Loose ☐ Other:

ROLLOFF BINS

☐ 20 yd ☐ 40 yd ☐ Del ☐ Exc ☐ Coll

CASH RECEIVED

Amount:

I certify that the above particulars are true and relate to the waste being conveyed or disposed of, or materials being delivered, in pursuance of the contract. I am aware of and accept the conditions stated on this note. By signing below, I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Customer name: MIHAL

Driver name: CIPRI

Customer signature: [Signature]

Driver signature: [Signature]

DISPOSAL / TRANSFER POINT

Site name:

☐ Haulage only

Site address:

Ticket no.:

☐ Waste management license no.:

☐ Ticket Attached

Disposer signature:

☐ Exempt from license

Date:

1. Account 2. Customer 3. Keep In Book 4. Tip

REIS GRAB HIRE LTD

137B Roundwood Road, London NW10 9UL
Telephone 020 8459 1475, Mobile 07951 179590
Registered Waste Carrier, CEADWAC Carrier No. CBDU94091

LORRY INFORMATION

CONTRACT NO.

PO-009665 09847

Registration:

3A19UKH

☒ Grab ☐ Tipper ☐ Bin

CUSTOMER DETAILS (PRODUCER)

ALL HIRES ARE SUBJECT TO CPA TERMS & CONDITIONS

On behalf of:

NFC HOMES

Date:

22.12.2022

Site address:

6 STAINBY ROAD N15 4EH

Time on site:

14:00

Time off site:

14:30

☐ Waiting time ☐ Cancelled job

DESCRIPTION OF WASTE

☒ Soil & Stones EWC 17.05.04

☐ Clean Hardcore EWC 17.01.07

☐ Tarmac/Bitumen EWC 17.03.02

☐ Mixed Construction Waste EWC 17.09.04

☐ Other (Please specify):

EWC

☐ Materials Delivery

SIC code

Quantity

☐ 6 Wheel load

☐ Weight

Tonnes

Waste is

☐ Loose

☐ Other

ROLOD OF BINS

CASH RECEIVED

☐ 20 yd

☒ 40 yd

☐ Del

☐ Exc

☐ Coll

Amount:

I certify that the above particulars are true and relate to the waste being conveyed or disposed of, or materials being delivered, at pursuance of the sale. I am aware of and accept the conditions defined on this note. By signing below I confirm that I have fulfilled my duty to supply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Customer name: VMIHAR

Driver name:

Customer signature: K. Patel

Driver signature:

DISPOSAL / TRANSFER POINT

Site name:

☐ Haulage only

Site address:

Ticket No.:

☐ Waste management licence no.:

☐ Ticket Attached

Signature:

☐ Exempt from licence

Date:

1. Account 2. Quotation 3. Keep In Book 4. Tip

REIS GRAB HIRE LTD

137B Roundwood Road, London NW10 9UL

Telephone 020 8459 1475, Mobile 07951 179590

Registered Waste Carrier, CEADWAC Carrier No. CBDU94091

LORRY INFORMATION

CONTRACT NO.

PO-003665

10445

Registration:

SF 17 WFX

☒ Grab ☐ Tipper ☐ Bin

CUSTOMER DETAILS (PRODUCER)

ALL HIRES ARE SUBJECT TO CPA TERMS & CONDITIONS

On behalf of:

MFC LTD

Date: 22/12/22

Site address:

6 STAINING RD, W15 4EA

Time on site:

Time off site:

☐ Waiting time ☐ Cancelled job

DESCRIPTION OF WASTE

☒ Soil & Stones EWC 17.05.04

☐ Clean Hardcore EWC 17.01.07

☐ Tarmac/Bitumen EWC 17.03.02

☐ Mixed Construction Waste EWC 17.09.04

☐ Other (Please specify)

☐ Materials Delivery

EWC

Quantity ☒ B-Wheel load ☐ Weight

SIC code

Tonnes

Waste is ☐ Loose ☐ Other

ROLLOFF BINS

☐ 20 yd ☐ 40 yd ☐ Del ☐ Exc ☐ Coll

CASH RECEIVED

Amount:

I certify that the above particulars are true and relate to the waste being removed or disposed of, or materials being delivered, in pursuance of the role. I am aware of and accept the conditions detailed on this note. By signing below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Customer name:

VALENTIN - N

Driver name:

CIRRI

Customer signature:

Valentin

Driver signature:

DISPOSAL / TRANSFER POINT

Site name:

Site address:

☐ Haulage only

Ticket No:

☐ Waste management license no:

☐ Ticket Attached

Disposer signature:

☐ Exempt from license

Date:

Customer 2. Customer 3. Keep in Book 4. Tip

REIS GRAB HIRE LTD

137B Roundwood Road, London NW10 9UL
Telephone 020 8459 1475, Mobile 07951 179590
Registered Waste Carrier, CEADWAC Carrier No. CBDU94091

LORRY INFORMATION

CONTRACT NO.

FD-009665 10446

Registration:

GY66 PFA

☒ Grab ☐ Tipper ☐ Bin

CUSTOMER DETAILS (PRODUCER)

ALL HIRES ARE SUBJECT TO CPA TERMS & CONDITIONS

On behalf of:

NFC HONES

Date: 22.12.22

Site address:

STAINBY RD.

N15

Time on site:

Time off site:

☐ Waiting time ☐ Cancelled job

DESCRIPTION OF WASTE

☒ Soil & Stones EWC 17.05.04

☐ Clean Hardcore EWC 17.01.07

☐ Tarmac/Bömen EWC 17.03.02

☐ Mixed Construction Waste EWC 17.09.04

☐ Other (please specify):

EWC

☐ Materials Delivery

S/C code

Quantity: ☒ 8 Wheel load ☐ Weight

Tonnes

Waste is:

☒ Loose ☐ Other

ROLLOFF BINS

CASH RECEIVED

☐ 20 yd ☐ 40 yd

☐ Del

☒ Exc

☐ Coll

Amount:

I certify that the above particulars are true and relate to the waste being conveyed or disposed of, or materials being delivered, in pursuance of the sale. I am aware of and accept the conditions detailed on this note. By signing below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Customer name:

MEHAI

Driver name:

MARILIS

Customer signature:

[Signature]

Driver signature:

[Signature]

DISPOSAL / TRANSFER POINT

☐ Haulage only

Site name:

WEXHAM

Ticket t.o.:

Site address:

☐ Ticket Attached

☐ Waste management licence no.:

☐ Exempt from licence

Disposer signature:

Date:

1. Accounts 2. Customer 3. Keep In Book 4. Tip

SUPPLIER TOPSOIL CERTIFICATES



Amended Report

Report No.:	22-41703-2		
Initial Date of Issue:	15-Nov-2022	Date of Re-Issue:	16-Nov-2022
Client	Springbridge Direct Ltd		
Client Address:	Oxford Road Denham Middlesex UB9 4DF		
Contact(s):	Ellissa Dunn Tom Hawkins		
Project	Springbridge Yard		
Quotation No.:	Q22-26866	Date Received:	01-Nov-2022
Order No.:	128114	Date Instructed:	01-Nov-2022
No. of Samples:	2		
Turnaround (Wkdays):	10	Results Due:	14-Nov-2022
Date Approved:	15-Nov-2022		
Approved By:			

Details: Stuart Henderson, Technical Manager

Results - Soil

Project: Springbridge Yard

Client: Springbridge Direct Ltd	Chemtest Job No.:		22-41703		
Quotation No.: Q22-26866	Chemtest Sample ID.:		1535848		
Order No.: 128114	Client Sample Ref.:		Topsoil		
	Client Sample ID.:		Top		
	Sample Type:		SOIL		
	Date Sampled:		27-Oct-2022		
	Asbestos Lab:		COVENTRY		
Determinand	Accred.	SOP	Units	LOD	
ACM Type	U	2192		N/A	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected
Moisture	N	2030	%	0.020	13
Soil Colour	N	2040		N/A	Brown
Other Material	N	2040		N/A	Stones
Soil Texture	N	2040		N/A	Sand
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	3.6
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50
Arsenic	M	2455	mg/kg	0.5	7.1
Cadmium	M	2455	mg/kg	0.10	0.12
Chromium	M	2455	mg/kg	0.5	8.9
Copper	M	2455	mg/kg	0.50	13
Mercury	M	2455	mg/kg	0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	5.2
Lead	M	2455	mg/kg	0.50	19
Selenium	M	2455	mg/kg	0.25	< 0.25
Zinc	M	2455	mg/kg	0.50	48
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C8-C10	N	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C10-C12	N	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C12-C16	N	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C16-C21	N	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C21-C35	N	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C8-C10	N	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C10-C12	N	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C12-C16	N	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C16-C21	N	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C21-C35	N	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10
Naphthalene	N	2700	mg/kg	0.010	< 0.010

Results - Soil

Project: Springbridge Yard

Client: Springbridge Direct Ltd	Chemtest Job No.:		22-41703		
Quotation No.: Q22-26866	Chemtest Sample ID.:		1535848		
Order No.: 128114	Client Sample Ref.:		Topsoil		
	Client Sample ID.:		Top		
	Sample Type:		SOIL		
	Date Sampled:		27-Oct-2022		
	Asbestos Lab:		COVENTRY		
Determinand	Accred.	SOP	Units	LOD	
Acenaphthylene	N	2700	mg/kg	0.010	< 0.010
Acenaphthene	N	2700	mg/kg	0.010	< 0.010
Fluorene	N	2700	mg/kg	0.010	< 0.010
Phenanthrene	N	2700	mg/kg	0.010	< 0.010
Anthracene	N	2700	mg/kg	0.010	< 0.010
Fluoranthene	N	2700	mg/kg	0.010	8.0
Pyrene	N	2700	mg/kg	0.010	1.0
Benzo[a]anthracene	N	2700	mg/kg	0.010	0.40
Chrysene	N	2700	mg/kg	0.010	0.87
Benzo[b]fluoranthene	N	2700	mg/kg	0.010	0.81
Benzo[k]fluoranthene	N	2700	mg/kg	0.010	0.96
Benzo[a]pyrene	N	2700	mg/kg	0.010	0.67
Indeno(1,2,3-c,d)Pyrene	N	2700	mg/kg	0.010	< 0.010
Dibenz(a,h)Anthracene	N	2700	mg/kg	0.010	< 0.010
Benzo[g,h,i]perylene	N	2700	mg/kg	0.010	< 0.010
Total Of 16 PAH's	N	2700	mg/kg	0.20	13
Benzene	M	2760	µg/kg	1.0	< 1.0
Toluene	M	2760	µg/kg	1.0	< 1.0
Ethylbenzene	M	2760	µg/kg	1.0	< 1.0
m & p-Xylene	M	2760	µg/kg	1.0	< 1.0
o-Xylene	M	2760	µg/kg	1.0	< 1.0
Total Phenols	M	2920	mg/kg	0.10	0.33

Results - Topsoil Report

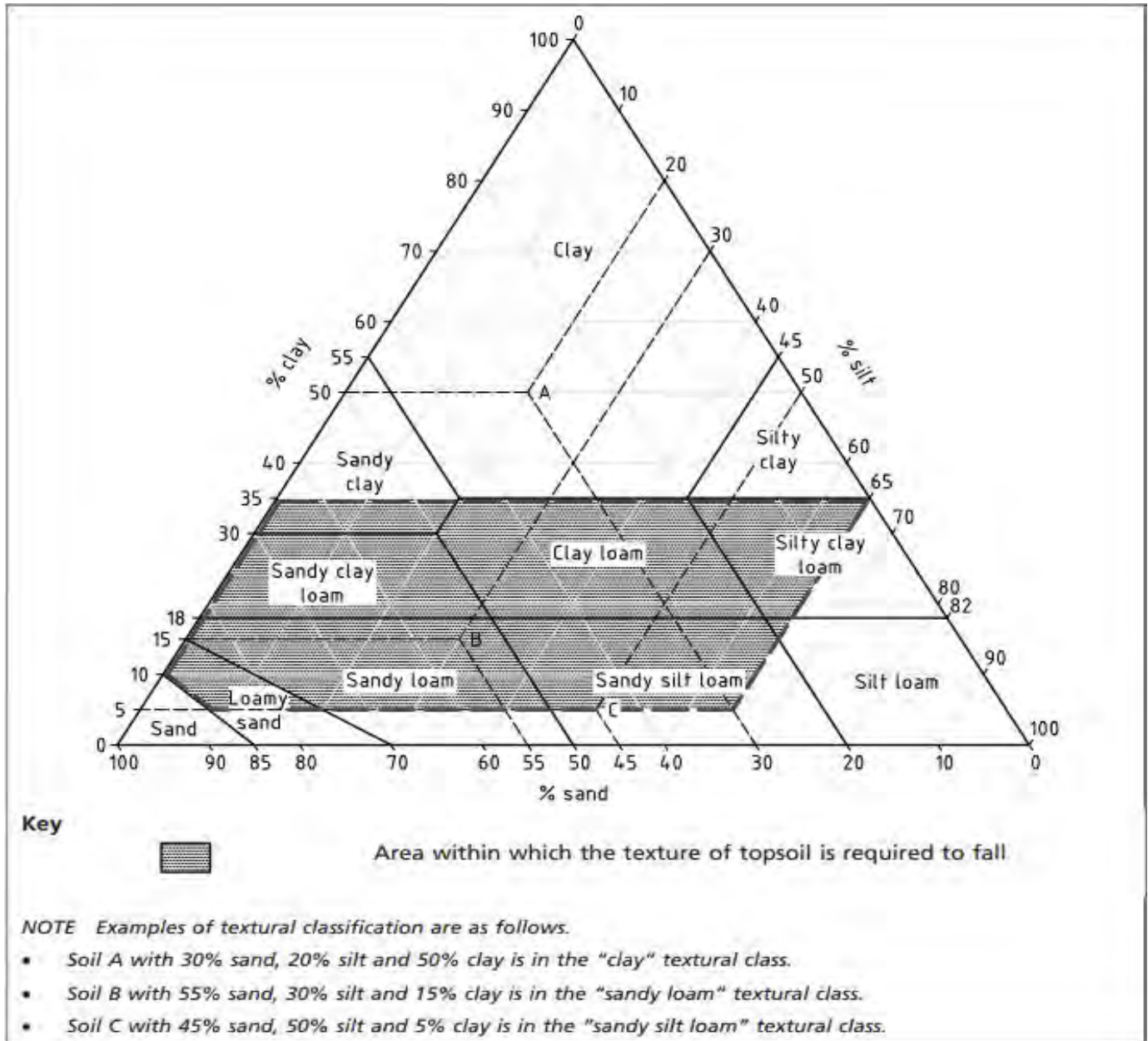
BS3882:2015

Chemtest Job No.: 22-41703
 Chemtest Sample ID.: 1535848
 Client Sample Ref.: Topsoil
 Sample Location:
 Client Sample ID.: Top
 Top Depth (m):
 Bottom Depth (m):
 Date Sampled: 27-Oct-2022
 Time Sampled:

Parameter	Units	Multipurpose Range	Result	Compliant with Multipurpose Range? (Y/N)	Compliant with Specific Purpose Range? (Y/N)		
Texture					Acid	Low F	Calc.
Clay content	%		8.1				
Silt content	%		8.1				
Sand content	%		84				
Soil texture class		See Attached Chart	Loamy Sand	YES			
Mass Loss on Ignition							
Clay 5-20%		3.0-20	7.3	YES	YES	YES	YES
Clay 20-35%		5.0-20					
Stone Content	% m/m						
>2mm		0-30	22	YES			
>20mm		0-10	< 0.020	YES			
>50mm		0	< 0.020	YES			
Soil pH value		5.5-8.5	8.0	YES	NO	YES	YES
Carbonate (Calcareous only)	%		4.1				YES
Electrical Conductivity	µS/cm	If >3300 do ESP	3200	YES			
Available Nutrient Content							
Nitrogen %		>0.15	0.33	YES	YES		YES
Extractable phosphorus	mg/l	16-140	17	YES	YES	YES	YES
Extractable potassium	mg/l	121-1500	230	YES	YES		YES
Extractable magnesium	mg/l	51-600	58	YES	YES		YES
Carbon : Nitrogen Ratio		<20:1	13.1/1	YES	YES	YES	YES
Exchangeable sodium	%	<15	7.9				
Available Calcium	mg/l		580				
Available Sodium	mg/l		310				
Phytotoxic Contaminants (by soil pH)		< 6.0	6.0-7.0	> 7.0			
Zinc (Nitric Acid extract)	mg/kg	<200	<200	<300	33	YES	
Copper (Nitric Acid extract)	mg/kg	<100	<135	<200	10	YES	
Nickel (Nitric Acid extract)	mg/kg	<60	<75	<110	6.2	YES	
Visible Contaminants	% mm						
>2mm		<0.5	0.000	YES			
..... of which plastics		<0.25	0.000	YES			
..... man-made sharps		zero in 1kg	0.000	YES			

Topsoil: **Texture Classification Chart**

BS3882:2015



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British Standards can be obtained in PDF or hard copy formats from the BSI online shop: www.bsigroup.com/Shop or by contacting BSI Customer Services for hardcopies only: Tel: +44 (0)20 8996 9001, Email: cservices@bsigroup.com.

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2020	Electrical Conductivity	Electrical conductivity (EC) of aqueous extract or calcium sulphate solution for topsoil	Measurement of the electrical resistance of a 2:1 water/soil extract.
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2115	Total Nitrogen in Soils	Nitrogen	Determination by elemental analyser
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2260	Carbonate	Carbonate	Titration
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2400	Cations	Cations	ICP-MS
2420	Phosphate	Phosphate	Spectrophotometry - Discrete analyser
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazine.
2620	LOI 440	LOI 440 Trommel Fines	Determination of the proportion by mass that is lost from a soil by ignition at 440°C.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.

Test Methods

SOP	Title	Parameters included	Method summary
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



TIM O'HARE ASSOCIATES
SOIL & LANDSCAPE CONSULTANCY

Mr Matt Matkins
Ferns Aggregates
Wrotham Quarry
Trottiscliffe Road
Addington
Wrotham ME19 5DP

13th July 2023
Our Ref: TOHA/23/7992/SS
Your Ref: PO 275511

Dear Sirs

Topsoil Analysis Report: Wrotham Quarry

We have completed the analysis of the soil sample recently submitted, referenced *Wrotham Quarry Topsoil*, and have pleasure reporting our findings.

The purpose of the analysis was to determine the suitability of the sample for general landscape purposes (trees, shrubs, amenity grass). In addition, this sample has been assessed to determine its compliance with the requirements of the British Standard for Topsoil (*BS3882:2015 – Specification for Topsoil – Table 1, Multipurpose Topsoil*).

This report presents the results of analysis for the sample submitted to our office, and it should be considered 'indicative' of the topsoil source. The report and results should therefore not be used by third parties as a means of verification or validation testing or waste designation purposes, especially after the topsoil has left the Ferns Aggregates site.

SAMPLE EXAMINATION

The sample was described as a very dark greyish brown (Munsell Colour 10YR 3/2), slightly moist, friable, very slightly calcareous LOAMY SAND with a weakly developed very fine to fine, and occasionally medium, granular structure*. The sample was slightly stony, and contained a moderate proportion of organic fines and occasional woody fragments. No unusual odours, deleterious materials, roots or rhizomes of pernicious weeds were observed.

*This appraisal of soil structure was made from examination of a disturbed sample. Structure is a key soil characteristic that may only be accurately assessed by examination in an in-situ state.

Tim O'Hare Associates LLP
Howbery Park Wallingford Oxfordshire OX10 8BA
T:01491 822653 E:info@toha.co.uk
www.toha.co.uk

ANALYTICAL SCHEDULE

The sample was submitted to a UKAS and MCERTS accredited laboratory for a range of physical and chemical tests to confirm the composition and fertility of the soil, and the concentration of selected potential contaminants. The following parameters were determined:

- particle size analysis (sand, silt, clay);
- stone content (2-20mm, 20-50mm, >50mm);
- pH and electrical conductivity values;
- exchangeable sodium percentage;
- major plant nutrients (N, P, K, Mg);
- organic matter content;
- C:N ratio;
- heavy metals (As, B, Cd, Cr, Cu, Pb, Hg, Ni, Se, Zn);
- total cyanide and total (mono) phenols;
- speciated PAHs (US EPA16 suite);
- aromatic and aliphatic TPH (C5-C35 banding);
- benzene, toluene, ethylbenzene, xylene (BTEX).

The results are presented on the attached Certificate of Analysis and an interpretation of the results is given below.

RESULTS OF ANALYSIS

Particle Size Analysis and Stone Content

The sample fell into the *loamy sand* texture class, which is usually considered suitable for general landscape applications provided the soil's physical condition is satisfactory.

The stone content of the sample was low and, as such, stones should not restrict the use of the soil for general landscape purposes.

pH and Electrical Conductivity Values

The sample was alkaline in reaction (pH 7.5). This pH value would be considered suitable for general landscape purposes provided species with a wide pH tolerance or those known to prefer alkaline soils are selected for planting, turfing and seeding.

The electrical conductivity (salinity) value (water extract) was low, which indicates that soluble salts were not present at levels that would be harmful to plants.

The electrical conductivity value by CaSO₄ extract (BS3882 requirement) fell below the maximum specified value (3300 µS/cm) given in BS3882:2015 – Table 1.

Organic Matter and Fertility Status

The sample was adequately supplied with organic matter and all major plant nutrients.

The C:N ratio of the sample was acceptable for general landscape purposes.

Potential Contaminants

With reference to BS3882:2015 - Table 1: Notes 3 and 4, there is a requirement to confirm levels of potential contaminants in relation to the topsoil's proposed end use. This includes human health, environmental protection and metals considered toxic to plants. In the absence of site-specific assessment criteria, the concentrations that affect human health have been compared with the *residential with homegrown produce* land use in the Suitable For Use Levels (S4ULs) presented in *The LQM/CIEH S4ULs for Human Health Risk Assessment* (2015) and the DEFRA SP1010: *Development of Category 4 Screening Levels (C4SLs) for Assessment of Land Affected by Contamination – Policy Companion Document* (2014).

Of the potential contaminants determined, none exceeded their respective guideline values.

Phytotoxic Contaminants

Of the phytotoxic (toxic to plants) contaminants determined (copper, nickel, zinc), none was found at levels that exceeded the maximum permissible levels specified in *BS3882:2015 – Table 1*.

CONCLUSION

The purpose of the analysis was to determine the suitability of the sample for general landscape purposes (trees, shrubs and amenity grass). In addition, this sample has been assessed to determine its compliance with the requirements of the British Standard for Topsoil (*BS3882:2015 – Specification for Topsoil – Table 1, Multipurpose Topsoil*).

From the soil examination and subsequent laboratory analysis, the sample was described as an alkaline, non-saline, very slightly calcareous loamy sand with a weakly developed structure and a low stone content. The sample was adequately supplied with organic matter and all major plant nutrients. Of the potential contaminants determined, none exceeded their respective guideline values.

To conclude, based on our findings, the topsoil represented by this sample would be considered suitable for general landscape purposes (trees, shrubs and amenity grass), provided species with a wide pH tolerance or those known to prefer alkaline soils are selected and the physical condition of the soil is satisfactory.

The sample was also fully compliant with the requirements of the *British Standard for Topsoil (BS3882:2015 – Specification – Table 1, Multipurpose Topsoil)*.

Soil Handling Recommendations

It is important to maintain the physical condition of the soil and avoid structural damage during all phases of soil handling (e.g. stockpiling, respreading, cultivating, planting, seeding or turfing). As a consequence, soil handling operations should be carried out when soil is reasonably dry and non-plastic (friable) in consistency.

It is important to ensure that the soil is not unnecessarily compacted by trampling or trafficking by site machinery, and soil handling should be stopped during and after heavy rainfall and not continued until the soil is friable in consistency. If the soil is structurally damaged and compacted at any stage during the course of soiling or landscaping works, it should be cultivated appropriately to relieve the compaction and to restore the soil's structure prior to any planting, turfing or seeding.

Further details on soil handling are provided in Annex A of *BS3882:2015*.

We hope this report meets with your approval and provides the necessary information. Please do not hesitate to contact the undersigned if we can be of further assistance.

Yours faithfully



Aaron Cross
BSc MSc
Soil Scientist

For & on behalf of Tim O'Hare Associates LLP



Benzene	mg/kg	MCERTS
Toluene	mg/kg	MCERTS
Ethylbenzene	mg/kg	MCERTS
p & m-xylene	mg/kg	MCERTS
o-xylene	mg/kg	MCERTS
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	MCERTS

The sample was described as a very dark greyish brown (Munsell Colour 10YR 3/2), slightly moist, friable, very slightly calcareous LOAMY SAND with a weakly developed very fine to fine, and occasionally medium, granular structure. The sample was slightly stony, and contained a moderate proportion of organic fines and occasional woody fragments. No unusual odours, deleterious materials, roots or rhizomes of pernicious weeds were observed.

The contents of this certificate shall not be reproduced without the express written permission of Tim O'Hare Associates LLP.

< 0.005
< 0.005
< 0.005
< 0.005
< 0.005
< 0.005

Aaron Cross
BSc MSc
Soil Scientist

TOPSOIL DELIVERY NOTES

REIS GRAB HIRE LTD

137B Roundwood Road, London NW10 9UL

Telephone 020 8459 1475, Mobile 07951 179590

Registered Waste Carrier, CEADWAC Carrier No. CBDU94091

LORRY INFORMATION

CONTRACT NO. 10-009665

09957

Registration:

KE 657 ER

☐ Grab ☐ Tipper ☐ Bin

CUSTOMER DETAILS (PRODUCER)

ALL HIRES ARE SUBJECT TO CPA TERMS & CONDITIONS

On behalf of:

NTC LTD

Date:

16/12/22

Site address:

6 STAINBY RD, N15 4EA

Time on site:

Time off site:

☐ Waiting time ☐ Cancelled job

DESCRIPTION OF WASTE

☐ Soil & Stones EWC 17.05.04

☐ Clean Hardcore EWC 17.01.07

☐ Tarmac/Bitumen EWC 17.03.02

☐ Mixed Construction Waste EWC 17.09.04

☐ Other (Please specify)

X1 LOAD MULTIPURPOSE EWC

☒ Materials Delivery

TOP SOIL

SIC code

Quantity ☒ 8 Wheel load ☐ Weight

Tonnes

Waste is ☐ Loose ☐ Other

ROLONOF BINS

☐ 20 yd ☐ 40 yd ☐ Del ☐ Exc ☐ Coll

CASH RECEIVED

Amount:

I verify that the above particulars are true and relate to the waste being conveyed or disposed of, or materials being delivered, in pursuance of the sale. I am aware of and accept the conditions detailed on this note. By signing below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Customer name: VALENTIN - N

Driver name:

MIKE

Customer signature:

Valentin

Driver signature:

[Signature]

DISPOSAL / TRANSFER POINT

☐ Haulage only

Site name:

Ticket No:

Site address:

☐ Ticket Attached

☐ Waste management license no:

☐ Exempt from license

Disposer signature:

Date:

1. Accounts 2. Customer 3. Keep in Book 4. Tip

REIS GRAB HIRE LTD

137B Roundwood Road, London NW10 9UL
Telephone 020 8459 1475, Mobile 07951 179590
Registered Waste Carrier, CEADWAC Carrier No. CBDU94091

LORRY INFORMATION

CONTRACT NO.

PO-009665

7622

Registration:

SF17WFX

☒ Grab ☐ Tipper ☐ Bin

CUSTOMER DETAILS (PRODUCER)

ALL HIRE ARE SUBJECT TO CPA TERMS & CONDITIONS

On behalf of:

NFC

Date: 19.12.22

Site address:

Time on site: 09:25 Time off site:

☐ Waiting time ☐ Cancelled job

DESCRIPTION OF WASTE

- ☐ Soil & Stones EWC 17.05.04 ☐ Clean Hardcore EWC 17.01.07
☐ Tarmac/Bitumen EWC 17.03.02 ☐ Mixed Construction Waste EWC 17.09.04
☐ Other (Please specify) _____ EWC _____
☒ Materials Delivery 10T TOP SOIL EWC _____

Quantity: ☐ 8 Wheel load ☐ Weight Tonnage Waste to: ☐ Landfill ☐ Other

KOLONOF BINS

CASH RECEIVED

☐ 20 yd ☐ 40 yd ☐ Del ☐ Exc ☐ Coll

Amount:

I certify that the above particulars are true and relate to the waste being conveyed or disposed of, or materials being delivered, in pursuance of the sale. I am aware of and accept the conditions detailed on this note. By signing below I confirm that I have notified my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Customer name: MIHAI

Driver name: RADVAN

Customer signature: [Signature]

Driver signature: [Signature]

DISPOSAL / TRANSFER POINT

☐ Haulage only

Site name:

Ticket No:

Site address:

☐ Ticket Attached

☐ Waste management license no:

☐ Exempt from license

Disposer signature:

Date:

1 Account 2 Customer 3 Keep In Book 4 Tip

LAWSONS

'Family Values - Professional Service'

EDMONTON

401 Montagu Road • Edmonton • London • N9 0HP

Tel: 020 8803 6922 • Fax: 020 8884 3876 • e-mail: edmonton@lawsons.co.uk • www.lawsons.co.uk

Advice Note

Document Number
0019/19192109

Invoice to:-
NFC Homes Ltd
78 Pall Mall
London
SW1Y 5ES

Deliver to:-

NFC Homes Ltd
NFC Site
Adjacent to 6 Stainby Road
LONDON
07596 954 669
, N15 4EA
N15 4EA

Account	Our Operator	Terminal	Date	Time	Order Number
36260	Jake Ling	25703	15/01/2024	09:18	832593
Your Contact	Tel No:	Your Order no	Date Required	Page	
		PO-012342	15/01/2024	1 of 1	

Quantity	Product		
10 EA	MOT Type 1 Bulk Bag		
	a25140006	Weight:	8750.00
5 EA	Screened Top Soil Bulk Bag		
	a25240005	Weight:	4375.00
Delivered to Site		Collected from Site	
No. of Pallets.....		No. of Pallets.....	
KERBSIDE DELIVERY ONLY.		ALL DELIVERY TIMES ARE APPROXIMATE.	

Print Name: A. MARTINS Lou

Customer Signature:

Weight (KGS)
13125.00

Our Opening Times are:
Mon-Fri 07:00 16:45
Saturday 08:00 12:45

All transactions are subject to our standard conditions of sale
copies are available on request or on our website www.lawsons.co.uk

Mail Ref: 1 of 1

LAWSONS

'Family Values - Professional Service'

COLNEY HEATH
Tyttenhanger Farm • Coursers Road • Colney Heath • Herts • AL4 0PG
Tel: 01727 747320 • Email: colneyheath@lawsons.co.uk • www.lawsons.co.uk



Advice Note

Document Number
0017/17109503

Invoice to:-
NFC Homes Ltd
78 Pall Mall
London
SW1Y 5ES

Deliver to:-

NFC Homes Ltd
NFC Site
Adjacent to 6 Stainby Road
LONDON
07596 954 669
CALL WHEN 15 MIN AWAY
N15 4EA

Account	Our Operator	Terminal	Date	Time	Order Number
36260	Lee Coles	31404	16/01/2024	18:11	432771
Your Contact	Tel No:	Your Order no	Date Required	Page	
		po-012342	15/01/2024	1 of 1	

Quantity	Product	Weight:
20 EA	Screened Top Soil Bulk Bag a25240005	17500.00
Delivered to Site No. of Pallets.....		Collected from Site No. of Pallets.....
KERBSIDE DELIVERY ONLY.		ALL DELIVERY TIMES ARE APPROXIMATE.

Print Name: A. MARTIN LOW

Customer Signature: *[Signature]* 16/01/2024

Weight (KGS)
17500.00

Our Opening Times are:
Mon-Fri 06:00 16:45
Saturday 08:00 12:00

All transactions are subject to our standard conditions of sale
copies are available on request or on our website www.lawsons.co.uk

Mail Ref: 1 of 1

Lawsons (Whetstone) Ltd • Tyttenhanger Farm • Coursers Road • Colney Heath • Herts • AL4 0PG
Registered in England No 02790259 • VAT No 726 4860 18



Advice Note

Document Number
0019/19192389

Invoice to:-
NFC Homes Ltd
78 Pall Mall
London
SW1Y 5ES

Deliver to:-
NFC Homes Ltd
NFC Site
Adjacent to 6 Stainby Road
LONDON
07596 954 669
CALL WHEN 15 MIN AWAY
N15 4EA

Account	Our Operator	Terminal	Date	Time	Order Number
36260	Jake Ling	25703	29/01/2024	10:48	833860
Your Contact	Tel No:	Your Order no	Date Required	Page	
		PO-012374	29/01/2024	1 of 1	

Quantity	Product	Weight:	
10 EA	Screened Top Soil Bulk Bag a25240005	8750.00	
P.O.D.			
Delivered to Site No. of Pallets.....		Collected from Site No. of Pallets.....	
KERBSIDE DELIVERY ONLY.		ALL DELIVERY TIMES ARE APPROXIMATE.	

Print Name:

A. MARTINS

Customer Signature:

AMB. 29/01/2024

Weight (KGS)
8750.00

Our Opening Times are:
Mon-Fri 07:00 16:45
Saturday 08:00 12:45

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copies are available on request or on our website www.lawsons.co.uk

LAWSON'S

'Family Values - Professional Service'

COLNEY HEATH
Tyttenhanger Farm • Coursers Road • Colney Heath • Herts • AL4 6PG
Tel: 01727 747320 • Email: colneyheath@lawsons.co.uk • www.lawsons.co.uk



Advice Note

Document Number
0017/17111166

Invoice to:-
NFC Homes Ltd
78 Pall Mall
London
SW1Y 5EG

Deliver to:-

NFC Homes Ltd
NFC Site
Adjacent to 6 Stainby Road
LONDON
07596 954 669
CALL WHEN 15 MIN AWAY
N15 4EA

Account	our Operator	Terminal	Date	Time	Order Number
36260	Jake Ling	38407	05/02/2024	11:06	438392
Your Contact	Tel No:	Your Order no	Date Required	Page	
		PO-012342	05/02/2024	1 of 1	

Quantity	Product	Weight:	
6 EA	Screened Top Soil Bulk Bag a25240005	5250.00	

Delivered to Site
No. of Pallets.....

Collected from Site
No. of Pallets.....

KERBSIDE DELIVERY ONLY.

ALL DELIVERY TIMES ARE APPROXIMATE.

Print Name:

A. MARTINS

Customer Signature:

DAK 05/02/2024

Weight (KGS)
5250.00

Our Opening Times are:
Mon-Fri 06:00 16:45
Saturday 08:00 12:00

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copies are available on request or on our website www.lawsons.co.uk

Mail Ref: 1 of 1

Lawsons (Whetstone) Ltd • Tyttenhanger Farm • Coursers Road • Colney Heath • Herts • AL4 6PG
Registered in England No 02790259 • VAT No 726 4860 18



Advice Note

Document Number
0019/19192973

Invoice to:-
NFC Homes Ltd
78 Pall Mall
London
SW1Y 5ES

Deliver to:-

NFC Homes Ltd
NFC Site
Adjacent to 6 Stainby Road
LONDON
07596 954 669
CALL WHEN 15 MIN AWAY
N15 4EA

Account	Our Operator	Terminal	Date	Time	Order Number
36260	Jake Ling	25403	21/02/2024	11:42	836341
Your Contact	Tel No:	Your Order no	Date Required	Page	
		PO-012498	21/02/2024	1 of 1	

Quantity	Product	Weight:	
5 EA	Screened Top Soil Bulk Bag a25240005	4375.00	
Delivered to Site No. of Pallets.....		Collected from Site No. of Pallets.....	
KERBSIDE DELIVERY ONLY.		ALL DELIVERY TIMES ARE APPROXIMATE.	
Print Name: A. MARTINS (LOW)		Weight (KGS) 4375.00	
Customer Signature: [Signature] 21/02/2024		Our Opening Times are: Mon-Fri 07:00 16:45 Saturday 08:00 12:45	

All transactions are subject to our standard conditions of sale
copies are available on request or on our website www.lawsons.co.uk



Advice Note

Document Number
0022/22146199

Invoice to:-
HFC Homes Ltd
78 Pall Mall
London
SW1Y 5EA

Delivered to:-
HFC Homes Ltd
HFC Site
Adjacent to 6 Watney Road
LONDON
E7 5SE USA 669
J. H15-4EA
H15 4EA

Account	Our Operator	Terminal	Date	Time	Order Number
36260	Jane Ling	14954	22/02/2024	14:49	947735
Your Contact	Tel No:	Your Order no	Date Required	Page	
		PO-012498	22/02/2024	1 of 1	

Quantity	Product	Weight:
1 EA	Screened Top Soil Bulk Bag a25240005	875.00

Delivered to Site
No. of Pallets.....

Collected from Site
No. of Pallets.....

KERBSIDE DELIVERY ONLY.

ALL DELIVERY TIMES ARE APPROXIMATE.

Print Name:

A. Matthews (Cov)

Weight(KGS)
875.00

Customer Signature:

[Signature]

Our Opening Times are:
Mon-Fri 07:00 16:45
Saturday 08:00 12:30

All transactions are subject to our standard conditions of sale
copies are available on request or on our website www.lawsons.co.uk

INDEPENDENT VALIDATION SAMPLING AND ANALYSIS

Project No: 129-003081

Your Ref: As above

21st February 2024

Sandy Sutherland
NFC Homes Ltd
78 Pall Mall
London
SW1Y 5ES

Dear Sandy,

Stainby Road, Tottenham Hale – Soil Validation

1.0 BACKGROUND

Mayer Environmental Ltd (MEL) was commissioned by NFC Homes Ltd (NFC) to submit for chemical analysis three imported topsoil samples from Stainby Road. It is understood that NFC requested the analysis to determine if the imported soils represented by the topsoil samples are satisfactory and meet the Imported Material testing parameters provided by NFC Homes (Appendix E of the Remediation Strategy prepared by Contaminated Land Solutions report ref 2162-P3E-1 dated 20 December 2021). The Remedial Strategy identified that Made Ground should be removed to 600mm depth and replaced with an appropriate topsoil capping layer. The topsoil that required sampling and assessment had been placed in-situ and three individual samples were taken from across the site. A sample location plan was provided to Mayer by NFC.

2.0 SAMPLING

An NFC operative collected the samples based on instructions provided by Mayer.

As instructed NFC collected three 'spot' samples from across the site and referenced them 'V1', 'V2' and 'V3'. The samples were sent to Mayer's office where sample descriptions were logged for the samples. The samples visually appeared homogeneous. The photographs (included in Appendix E) taken by NFC Homes confirm that the topsoil has been placed to a depth of 600mm.

Table 1: Topsoil sample descriptions

Sample Reference	Sample Description
V1, V2, V3	Dark brown clayey, sandy TOPSOIL with occasional fine subrounded gravel of flint. Occasional fine organic matter fragments present and slight organic odour noted.

The samples were collected in clean single use sample tubs and glassware. The samples were labelled with a unique sample location, site reference and sampling date.

Below is a site plan showing the locations of the three samples. Photographs of the topsoil depths provided by NFC are included in Appendix E.

Figure 1: Soil Sample Locations

3.0 CHEMICAL ANALYSIS

As requested by NFC, the three samples were submitted for an analysis suite in line with the analysis parameters in Appendix E, which included metals, polycyclic aromatic hydrocarbons (PAHs), banded petroleum hydrocarbons and an asbestos screen.

Where applicable all analysis was undertaken by a MCERTs & UKAS accredited laboratory.

4.0 RESULTS OF ANALYSIS

4.1 SUITABLE FOR USE ASSESSMENT (ME2)

Available human health soil guidance relevant to residential with plant uptake end use has been used as an assessment tool within this section of the report. Soil screening values used include generic assessment criteria (GAC), Soil Guideline Values (SGVs), Suitable 4 Use Levels (S4ULs) and Category 4 Screening Level (C4SLs) where applicable. For ease, these values are generally referenced as GACs as a whole. A 2.5% soil organic matter (SOM) threshold has been assumed for organic determinands found within the sampled soils based on the analysis.

In the absence of published Tier 1 Screening Values and other suitable assessment criteria, comments on the significance of the results of analysis and our recommendations are based on MEL Guidelines for the Assessment of Soil Quality and current UK good practice (please refer to Appendix A for an explanation).

4.1.1 Soluble Sulphates

The samples analysed reported soluble sulphate contents within class DS-1, according to BRE Special Digest 1 (SD1:2005) 'Concrete in aggressive ground'.

4.1.2 Asbestos

Asbestos was not identified in any of the samples screened.

4.1.3 Inorganic Determinands

None of the inorganic parameters analysed were reported at a concentration in excess of their respective SGVs, GACs, S4ULs and C4SLs for a residential with plant uptake end use.

4.1.4 Organic Determinands

None of the organic parameters analysed were reported at a concentration in excess of their respective SGVs, GACs, S4ULs and C4SLs for a residential with plant uptake end use.

5.0 CONCLUSIONS & RECOMMENDATIONS

The purpose of the analysis of the imported topsoil was to assess whether it is considered suitable for a residential end use.

Based on the parameters tested the imported topsoil would be considered suitable for use.

We trust this information meets your requirements. Please contact us if you need any further clarification on any of the matters raised.

Yours sincerely

A handwritten signature in dark ink, appearing to read "BPittman".

Brendan Pittman
Environmental Consultant

A handwritten signature in dark ink, appearing to read "Rebecca Beddard".

Rebecca Beddard
Senior Environmental Consultant

Enclosed Appendix A – Procedure for Contamination Assessment of Soils
Appendix B – Limitations
Appendix C – Laboratory Certificates of Analysis
Appendix D – Soil screening tables
Appendix E - Photographs



Appendix A

Procedure for Contamination Assessment of Soils

Comments and recommendations are based on current UK good practice, founded upon the Contaminated Land Exposure Assessment (CLEA) model. Where this is not available, other risk assessment tools will be applied.

The CLEA guidance provides Soil Guideline Values (SGVs), which are intended for use as 'Minimal Risk' levels for human health risk assessment. The values are derived from health criteria values (HCVs) and are based on the regulatory framework for assessment of risk to human health in relation to the proposed land use. Currently SGVs have been published for selected contaminants (arsenic, nickel, mercury, selenium, cadmium, phenol, BTEX, and dioxins, furans and dioxin-like PCBs in soil).

A document published by a joint venture between Contaminated Land: Applications in the Real Environment (CL:AIRE), the Environmental Industries Commission (EIC) and the Association of Geotechnical and Geoenvironmental Specialists (AGS) provides additional Generic Assessment Criteria (GACs) for selected contaminants not included within the SGV project. These GACs have been produced based on the same framework and assumptions as the SGVs, for 'Part 2A determination'. Part 2A of the Environmental Protection Act, 1990 (as amended) is the legal definition of contaminated land as:

'Land which appears to the **Local Authority** in whose area it is situated to be in such a condition, by reason of substances in, on or under the land that:

- a. **Significant Harm** is being caused or there is a **Significant Possibility** of such harm being caused or
- b. **Pollution of Controlled Waters** is being, or is likely to be, caused.'

In relation to revised Part 2A Statutory Guidance (April 2012), Category 4 Screening Levels (C4SLs) were produced to aid in providing a simple test for deciding when land is suitable for use and definitely not contaminated land with regard to Part 2A and use in planning decision for development use. The derivation of the C4SLs is based on a level of 'Low Risk' and Low Level of Toxicological Concern (LLTC) instead of HCVs in order to make them more pragmatic than SGVs and GACs. Currently C4SLs exist for a select number of determinands (arsenic, benzene, benzo(a)pyrene, cadmium, hexavalent chromium and lead).

Subsequent to the C4SLs being published, Suitable 4 Use Levels (S4ULs) were published by Land Quality Management (LQM) and the Chartered Institute of Environmental Health (CIEH) to replace their existing GACs. The C4SLs are based on updated toxicological information and updated exposure factors. The exposure factors considered are similar to those changed by the C4SL project, although it should be noted that not all changes were incorporated into the S4ULs.

The S4ULs and C4SLs were calculated by considering the intended land use, and by considering typical soil characteristics (pH, organic matter and particle size distribution). A standard depth from which the soils were sampled was also determined, which may not be appropriate for universal application or application to these specific samples. The

interpretation is therefore provided as an indicative guide only. Three generic land use scenarios are considered for SGVs, GACs and C4SLs; residential (both with and without home-grown produce), allotments and commercial. In addition, two types of public open space are also considered with regard to the C4SLs.

The S4ULs have been used as initial screening tools within this report. Where a contaminant has exceeded these values and a C4SL is available, a second assessment will be undertaken based on this value. The exception is for lead where only a C4SL is available and this will be used as the initial screening value.

The S4ULs and C4SLs residential end use has been used as an initial assessment tool within this report. If you feel that your site falls outside of these generic assumptions or if you require more site specific guidance please contact us for more information and advice.

Where S4ULs, C4SLs, SGVs and GACs are unavailable and until formal guidance has been extended to other potential contaminants and land uses, other sources of guidance have been relied upon.



Appendix B

Limitations

This letter report is based on the available information and conditions detailed in Section 1 and 2 alone. On any site, and in particular on sites of potentially contaminative previous uses, soil/groundwater conditions can vary.

The letter report has been prepared on the basis of the information available and conditions apparent at the time of any site visit. Not all potential environmental constraints or liabilities associated with the conditions described may have been revealed. The degree of uncertainty in interpreting a site's environmental condition will depend upon the site conditions encountered and scope of work authorised by the client. Some degree of uncertainty will always exist.

New information, change of practices and/or new legislation may require revised assessment of the conclusions and recommendations made.

Sampling undertaken or information provided, by third parties has been used in good faith and is taken at face value. MEL cannot guarantee its suitability, accuracy or completeness; any errors in third party sampling/information provided may prejudice the conclusions and recommendations made.

This letter report has been prepared solely for the benefit of our client, NFC Homes, for the purpose of initially characterising the soils represented by the samples obtained.

No warranty is offered to any third party and no responsibility or liability will be accepted for any loss or damage in the event that this letter report is relied upon, either in its entirety or in part, by a third party or used in circumstances for which it was not originally intended. This report shall not be transferred to, or relied upon, by any other party without express written permission of MEL.



Appendix C
Laboratory Certificates of Analysis



Final Report

Report No.: 24-03703-1

Initial Date of Issue: 15-Feb-2024

Re-Issue Details:

Client Mayer Environmental Ltd

Client Address: Transport Avenue
Brentford
TW8 9HA

Contact(s):
rebecca.beddard@mayer-enviro.com;
landquality@mayer-enviro.com;
monitoring@mayer-enviro.com;
brendan.pittman@mayer-enviro.com

Project 129-003081 NFC Homes - Stainby Road

Quotation No.: Q24-33611 **Date Received:** 08-Feb-2024

Order No.: 129005780 **Date Instructed:** 08-Feb-2024

No. of Samples: 3

Turnaround (Wkdays): 5 **Results Due:** 14-Feb-2024

Date Approved: 15-Feb-2024

Approved By:

Details: Stuart Henderson, Technical Manager

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Soil

Project: 129-003081 NFC Homes - Stainby Road

Client: Mayer Environmental Ltd		Chemtest Job No.:				24-03703	24-03703	24-03703
Quotation No.: Q24-33611		Chemtest Sample ID.:				1763782	1763783	1763784
Order No.: 129005780		Client Sample Ref.:				1	2	3
		Client Sample ID.:				V1	V2	V3
		Sample Location:				Stainby Rd	Stainby Rd	Stainby Rd
		Sample Type:				SOIL	SOIL	SOIL
		Top Depth (m):				0.6	0.6	0.6
		Date Sampled:				02-Feb-2024	02-Feb-2024	02-Feb-2024
		Time Sampled:				12:00	12:00	12:00
		Asbestos Lab:				DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD			
ACM Type		U	2192		N/A	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	14	15	15
Soil Colour		N	2040		N/A	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones and Roots	Stones and Roots	Roots and Stones
Soil Texture		N	2040		N/A	Clay	Clay	Clay
pH at 20C		M	2010		4.0	8.2	8.3	8.1
Electrical Conductivity (2:1)		N	2020	µS/cm	1.0	1200	960	1000
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	1.1	1.4	1.8
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.098	0.12	0.23
Total Sulphur		U	2175	%	0.010	0.020	0.080	0.064
Cyanide (Total)		M	2300	mg/kg	0.50	< 0.50	1.0	0.80
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	4.0	3.7	6.3
Arsenic		M	2455	mg/kg	0.5	11	7.6	8.7
Cadmium		M	2455	mg/kg	0.10	0.10	0.31	0.25
Chromium		M	2455	mg/kg	0.5	42	17	21
Copper		M	2455	mg/kg	0.50	16	29	22
Mercury		M	2455	mg/kg	0.05	< 0.05	0.19	0.14
Nickel		M	2455	mg/kg	0.50	12	3.1	5.6
Lead		M	2455	mg/kg	0.50	21	48	39
Selenium		M	2455	mg/kg	0.25	< 0.25	0.29	0.29
Zinc		M	2455	mg/kg	0.50	47	110	78
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Organic Matter		M	2625	%	0.40	2.4	8.4	6.6
Aliphatic TPH >C5-C6	EH_AL_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	EH_AL_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	EH_AL_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	EH_AL_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	EH_AL_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	EH_AL_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	EH_AL_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C35-C44	EH_AL_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	EH_AL_2D_#1	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	EH_AR_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 129-003081 NFC Homes - Stainby Road

Client: Mayer Environmental Ltd		Chemtest Job No.:				24-03703	24-03703	24-03703
Quotation No.: Q24-33611		Chemtest Sample ID.:				1763782	1763783	1763784
Order No.: 129005780		Client Sample Ref.:				1	2	3
		Client Sample ID.:				V1	V2	V3
		Sample Location:				Stainby Rd	Stainby Rd	Stainby Rd
		Sample Type:				SOIL	SOIL	SOIL
		Top Depth (m):				0.6	0.6	0.6
		Date Sampled:				02-Feb-2024	02-Feb-2024	02-Feb-2024
		Time Sampled:				12:00	12:00	12:00
		Asbestos Lab:				DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD			
Aromatic TPH >C7-C8	EH_AR_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	EH_AR_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	EH_AR_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	EH_AR_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	EH_AR_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	EH_AR_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	EH_AR_2D_#1	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	EH_AR_2D_#1	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	EH_Total_2D_#1	N	2680	mg/kg	10.0	< 10	< 10	< 10
Naphthalene		M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene		M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthene		M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluorene		M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Phenanthrene		M	2700	mg/kg	0.10	< 0.10	0.36	0.26
Anthracene		M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluoranthene		M	2700	mg/kg	0.10	< 0.10	0.57	0.26
Pyrene		M	2700	mg/kg	0.10	< 0.10	0.56	0.32
Benzo[a]anthracene		M	2700	mg/kg	0.10	< 0.10	0.99	0.86
Chrysene		M	2700	mg/kg	0.10	< 0.10	0.57	0.54
Benzo[b]fluoranthene		M	2700	mg/kg	0.10	< 0.10	0.70	< 0.10
Benzo[k]fluoranthene		M	2700	mg/kg	0.10	< 0.10	0.26	< 0.10
Benzo[a]pyrene		M	2700	mg/kg	0.10	< 0.10	0.39	< 0.10
Indeno(1,2,3-c,d)Pyrene		M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene		M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene		M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's		M	2700	mg/kg	2.0	< 2.0	4.4	2.2
Benzene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0
Toluene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0
o-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Phenols		M	2920	mg/kg	0.10	< 0.10	0.13	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	pH Meter	
2020	Electrical Conductivity	Electrical conductivity (EC) of aqueous extract or calcium sulphate solution for topsoil	Measurement of the electrical resistance of a 2:1 water/soil extract.	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.	
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.	
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazine.	
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2680	TPH A/A Split	Aliphatics: >C5-C6, >C6-C8,>C8-C10, >C10-C12, >C12-C16, >C16-C21, >C21-C35, >C35- C44Aromatics: >C5-C7, >C7-C8, >C8- C10, >C10-C12, >C12-C16, >C16- C21, >C21- C35, >C35- C44	Dichloromethane extraction / GCxGC FID detection	
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

Water Sample Category Key for Accreditation

- DW - Drinking Water
- GW - Ground Water
- LE - Land Leachate
- NA - Not Applicable
- PL - Prepared Leachate
- PW - Processed Water

Report Information

RE - Recreational Water

SA - Saline Water

SW - Surface Water

TE - Treated Effluent

TS - Treated Sewage

UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up

MC - Mathematical Clean Up

FC - Florisil Clean Up

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Appendix D
ME2 Screening Tables

Summary of Laboratory Analysis

Client : NFC Homes Ltd
Report Date : 21st February 2024
Job Details : Stainby Road

Client Ref: 129-003081
Our Ref:
Suite : Validation Suite

Sample Reference:	V1	V2	V3	GAC values (2.5% SOM)
Date Sampled:	02.02.2024	02.02.2024	02.02.2024	
Lab Ref:	1763782	1763783	1763784	

Parameter	Units	LOD							
pH	pH Units	N/A	8.2		8.3		8.1		-
Electrical Conductivity	µS/cm	10	1200		960		1000		-
Total Cyanide	mg/kg	1.0	<0.5		1		0.8		-
Water Soluble Sulphate (2:1)	g/l	0.00125	0.098	[1]	0.12	[1]	0.23	[1]	-
Sulphide	mg/kg	1.0	4.0		3.7		6.3		-
Total Sulphur	mg/kg	50	0.020		0.080		0.06		-
Loss on Ignition @ 450°C	%	0.20	2.4		11.0		6.6		-
Total Phenols (monohydric)	mg/kg	1.0	<0.1		0.13		<0.1		-
Arsenic (aqua regia extractable)	mg/kg	1.0	11		7.6		9		37
Boron (water soluble)	mg/kg	0.20	1.1		1.4		1.8		290
Cadmium (aqua regia extractable)	mg/kg	0.20	0.10		0.31		0.25		11
Chromium (hexavalent)	mg/kg	4.0	<0.5		<0.5		<0.5		6
Chromium (aqua regia extractable)	mg/kg	1.0	42.0		17		21		910
Copper (aqua regia extractable)	mg/kg	1.0	16		29		22		2400
Lead (aqua regia extractable)	mg/kg	1.0	21		48		39		200
Mercury (aqua regia extractable)	mg/kg	0.30	<0.05		0.19		0.14		40
Nickel (aqua regia extractable)	mg/kg	1.0	12.0		3.1		5.6		180
Selenium (aqua regia extractable)	mg/kg	1.0	<0.25		0.29		0.29		250
Zinc (aqua regia extractable)	mg/kg	1.0	47		110		78		3700
Asbestos in Soil	n/a	N/A	ND		ND		ND		ND

[1] Class DS-1 in accordance with BRE Special Digest 1 (SD1:2005)

LOD - Limit of Detection
ND - Not Detected

Proposed End Use of Site : **Residential with Plant Uptake**

Determinand in excess of Screening Criteria:



Determinand Below Screening Criteria:



To be interpreted in conjunction with the attached report.

Summary of Laboratory Analysis									
Client : NFC Homes Ltd		Client Ref: 129-003081							
Report Date : 21st February 2024		Our Ref:							
Job Details : Stainby Road		Suite : Validation Suite							
Sample Reference:		V1	V2	V3					
Date Sampled:		02.02.2024	02.02.2024	02.02.2024	GAC values (2.5% SOM)				
Lab Ref:		1763782	1763783	1763784					
Parameter	Units								
Naphthalene	mg/kg	< 0.10	< 0.10	< 0.10					5.60
Acenaphthylene	mg/kg	< 0.10	< 0.10	< 0.10					420
Acenaphthene	mg/kg	< 0.10	< 0.10	< 0.10					510
Fluorene	mg/kg	< 0.10	< 0.10	< 0.10					400
Phenanthrene	mg/kg	< 0.10	0.36	0.26					222
Anthracene	mg/kg	< 0.10	< 0.10	< 0.10					5400
Fluoranthene	mg/kg	0.27	0.57	0.26					560
Pyrene	mg/kg	0.20	0.56	0.32					1200
Benzo(a)anthracene	mg/kg	< 0.10	0.99	0.86					11
Chrysene	mg/kg	< 0.10	0.57	0.54					22
Benzo(b)fluoranthene	mg/kg	< 0.10	0.70	< 0.10					3.3
Benzo(k)fluoranthene	mg/kg	< 0.10	0.26	< 0.10					93
Benzo(a)pyrene	mg/kg	< 0.10	0.39	< 0.10					2.7
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.10	< 0.10	< 0.10					36
Dibenz(a,h)anthracene	mg/kg	< 0.10	< 0.10	< 0.10					0.28
Benzo(ghi)perylene	mg/kg	< 0.10	< 0.10	< 0.10					340
Speciated Total EPA-16 PAHs	mg/kg	< 2.0	4.4	2.2					-
[1] Class DS-1 in accordance with BRE Special Digest 1 (SD1:2005) LOD - Limit of Detection ND - Not Detected Proposed End Use of Site : Residential with Plant Uptake Determinand in excess of Screening Criteria: ■ Determinand Below Screening Criteria: ■ To be interpreted in conjunction with the attached report.									

Summary of Laboratory Analysis

Client : NFC Homes Ltd Client Ref : 129-003081
 Report Date : 21st February 2024 Our Ref :
 Job Details : Stainby Road Suite : Validation Suite

Sample Reference:	V1	V2	V3	GAC values (2.5% SOM)
Date Sampled:	02.02.2024	02.02.2024	02.02.2024	
Lab Ref:	1763782	1763783	1763784	

Parameter	Units							
Benzene	mg/kg	<0.001	<0.001	<0.001				0.17
Toluene	mg/kg	<0.001	<0.001	<0.001				290
Ethylbenzene	mg/kg	<0.001	<0.001	<0.001				110
p & m-xylene	mg/kg	<0.001	<0.001	<0.001				130
o-xylene	mg/kg	<0.001	<0.001	<0.001				140
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	< 1.0	< 1.0	< 1.0				78
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	< 1.0	< 1.0	< 1.0				230
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	< 1.0	< 1.0	< 1.0				65
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	< 1.0	< 1.0	< 1.0				330
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	< 1.0	< 1.0	< 1.0				2400
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	< 1.0	< 1.0	< 1.0				92000
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	< 1.0	< 1.0	< 1.0				92000
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	<5	<5	<5				-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	< 1.0	< 1.0	< 1.0				140
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	< 1.0	< 1.0	< 1.0				290
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	< 1.0	< 1.0	< 1.0				83
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	< 1.0	< 1.0	< 1.0				180
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	< 1.0	< 1.0	< 1.0				330
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	< 1.0	< 1.0	< 1.0				540
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	< 1.0	< 1.0	< 1.0				1500
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	<5	<5	<5				-
TPH-CWG - Total Aromatic & Aliphatic	mg/kg	<10	<10	<10				1800

LOD - Limit of Detection

Proposed end use of the site : Residential with Plant Uptake

Determinand in excess of GAC : 

Determinand below GAC : 

Blank cells denote there is no published GAC for the determinand. To be interpreted in conjunction.

Appendix E
Photographs

All Photos Provided by NFC Homes Ltd



Sample V1 – showing depth of topsoil



Sample V2 - showing depth of topsoil



Sample V3 – showing depth of topsoil

SITE PHOTOGRAPHS







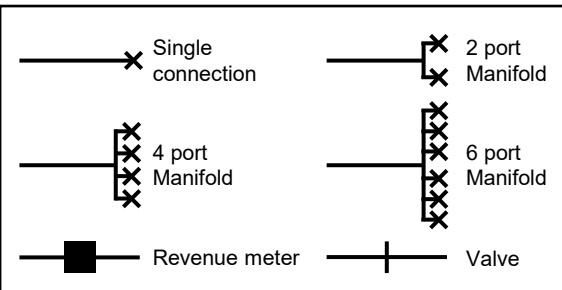




THAMES WATER SITE PLAN AND PHOTOGRAPHS



SITE LOCATION: L/A 2 Stainby Road, London, N15 4EA			
DS Reference:	DS6096919	Service pipe material:	MDPE
Order number:	81245604	Designer:	Tom Henderson Wilde
Co-ordinates:	X: 534012.92 Y: 189432.78	Date:	08/06/2023



Plot(s) and Connection Objects (CO)

Plot 1: 1x25mm, in a single trench, MDPE Supply

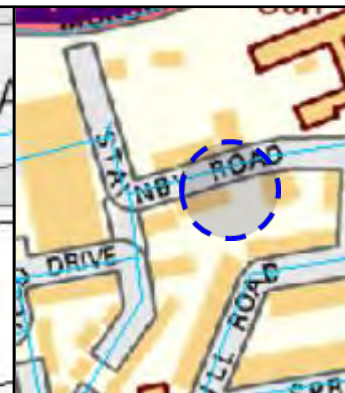
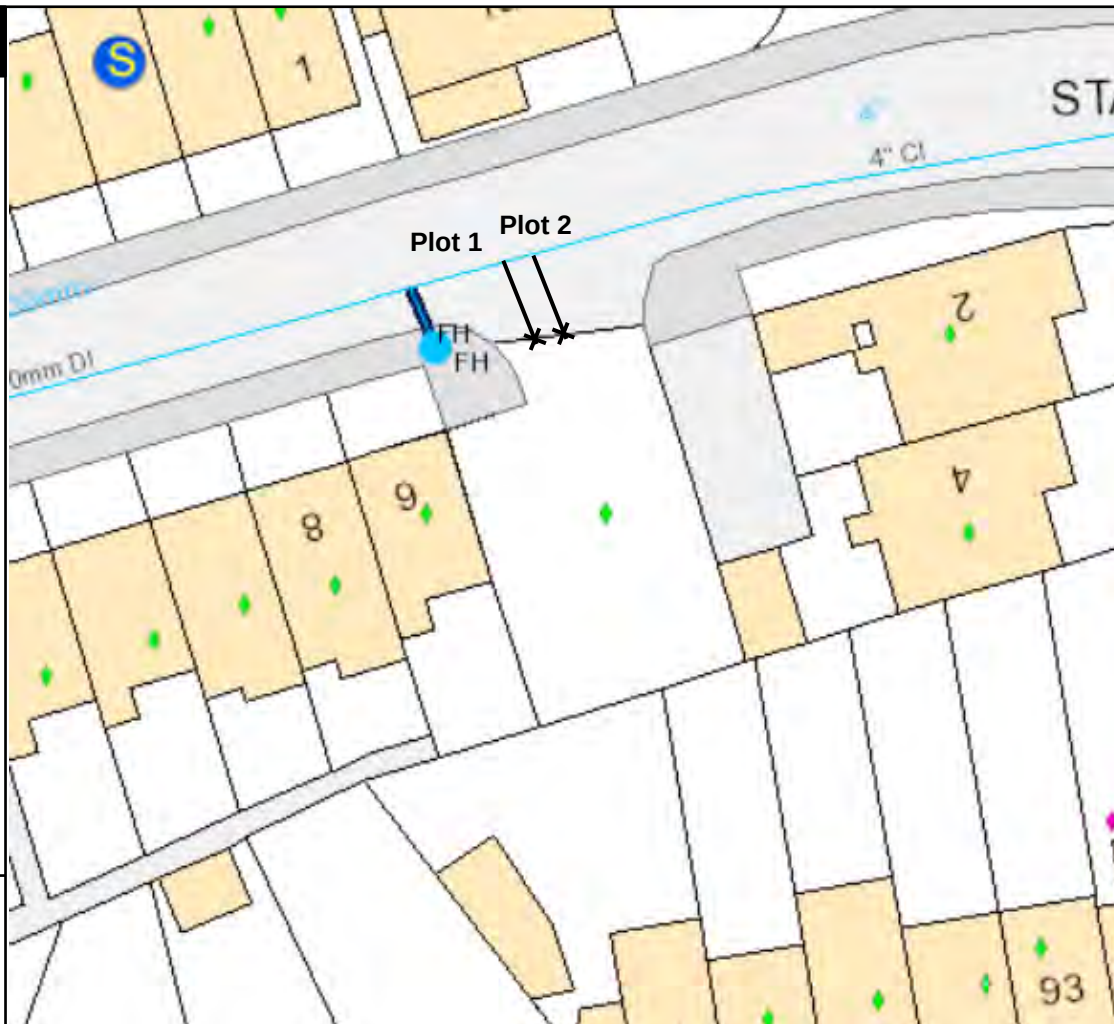
Plot 2: 1x25mm, in a single trench, MDPE Supply

CO's: 7528041-7528042

New Domestic Temporary Building Supply

Connection to be made in: Stainby Road

Please ensure that you have a copy of this plan when you are booking your water regulations and on site during the inspections. This will enable us to confirm with you the correct plot to be inspected.



Note: The position of the apparatus shown on this plan is believed to be correct at time of issuing this drawing. Thames Water accepts no responsibility in the event of any inaccuracy. The actual position of our apparatus, including existing service pipes which are not displayed on this plan must be established on site.

The proposed point of entry for the new service connections maybe subject to deviation due to unforeseen obstructions. Any variation from the designed position of the new water service connections may incur additional charges.

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Thames Water Point of Entry Plan - Not To Scale



