

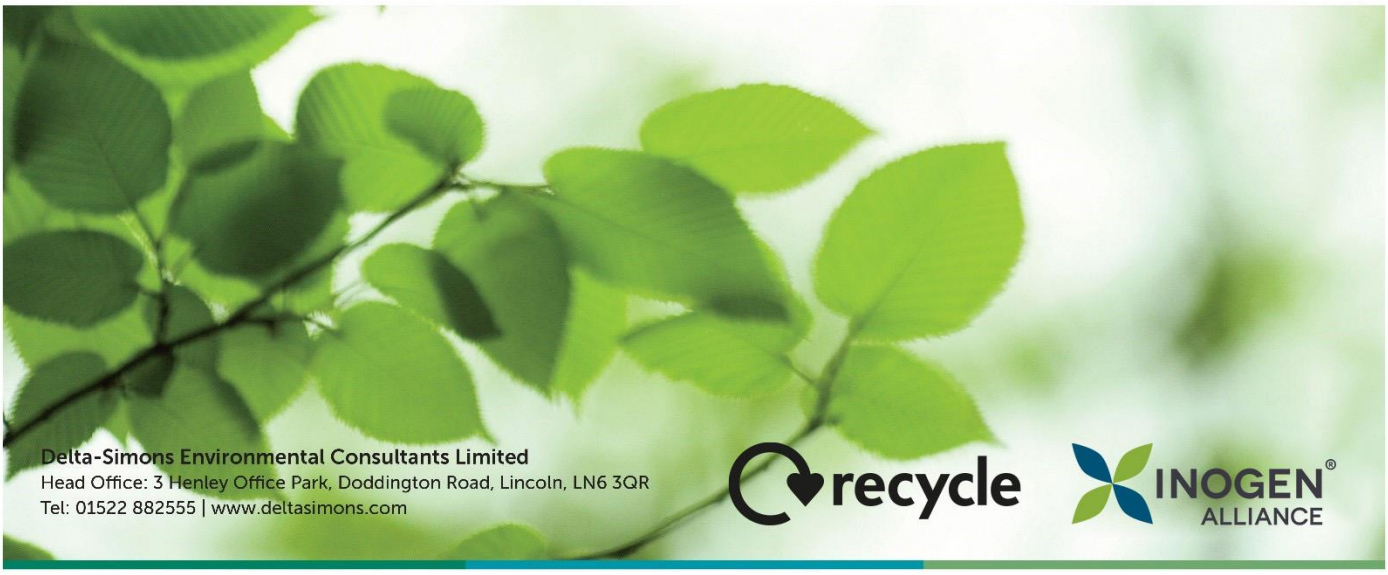
Remediation Validation Report

Station Road, Long Sutton

Presented to **GEDA Construction**

Issued: May 2021

Delta-Simons Project No. 21-0536.01



Delta-Simons Environmental Consultants Limited
Head Office: 3 Henley Office Park, Doddington Road, Lincoln, LN6 3QR
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Report Details

Client	GEDA Construction
Report Title	Remediation Validation Report
Site Address	Station Road, Long Sutton
Project No.	21-0536.01
Delta-Simons Contact	Tom Horner (tom.horner@deltasimons.com)

Quality Assurance

Issue No.	Status	Issue Date	Comments	Author	Technical Review	Authorised
1	Final	05/05/2021	-			
				Alex Hunter Consultant	**Gemma Tatton Senior**	**Paul Bennett Unit Director**

About us

Delta-Simons is a trusted, multidisciplinary environmental consultancy, focused on delivering the best possible project outcomes for customers.

Specialising in Environment, Health & Safety and Sustainability, Delta-Simons provide support and advice within the property development, asset management, corporate and industrial markets. Operating from across the UK we employ over 120 environmental professionals, bringing experience from across the private consultancy and public sector markets.

Delta-Simons is proud to be a founder member of the Inogen Environmental Alliance, enabling us to efficiently deliver customer projects worldwide by calling upon over 5000 resources in our global network of consultants, each committed to providing superior EH&S and sustainability consulting expertise to our customers. Inogen Environmental Alliance offers its clients more consultants, with more services in more countries than the traditional multinational consultancy.

Delta-Simons is a '***Beyond Net-Zero'*** company. We have set a Science-Based Target to reduce our Scope 1 and Scope 2 carbon emissions in line with the Paris Agreement and are committed to reducing Scope 3 emissions from our supply chain. Every year we offset our residual emissions by 150% through verified carbon removal projects linked to the UN Sustainable Development Goals.

Therefore, our consultancy services to you are carbon positive.

If you would like support in calculating your carbon footprint and playing your part in tackling the global climate crisis, please get in touch with your Delta-Simons contact above who will be happy to help.

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1.0 Introduction, Context and Purpose

In accordance with instructions from GEDA Construction (the "Client"), Delta-Simons has produced a Remediation Validation Report relating to the Local Authority Planning (Planning Reference 2015/0802/F) requirements.

The Site is to be developed for a residential end use, with associated private gardens and infrastructure.

There is a previous third-party report for the Site which should be read in conjunction with this document as follows:

- Ground Engineering, Remediation Method Statement, Nene Transport Depot, Station Road, Long Sutton, (Ref. C13684B1), dated May 2019.

Delta-Simons has been provided with validation evidence contained within this report from the Client.

2.0 Remediation Requirements

Ground Engineering has previously undertaken an RMS, dated May 2019, for the Site. The details of the specific remediation requirements are detailed in the RMS and should be read in conjunction with this report.

- A photographic record of the remediation Site works should be undertaken by the contractor;
- In garden, landscaped and patios areas, it was recommended that the Made Ground should either be completely removed, or removed to a minimum depth of 0.90 m below finished ground level, and replaced with an equivalent thickness clean inert topsoil or clean granular fill. Photographs should be presented to demonstrate the depth of soil excavated. Any soil imported to Site must be certified as 'suitable for use';
- Following the removal of any fuel impacted soils, the Made Ground could be left in place in areas beneath proposed buildings and permanent hardstanding, if suitable for engineering purposes, where the risk to future Site users would be very low;
- It was recommended that the garden areas were inspected prior to final capping to ensure that unsuitable materials have not been inadvertently placed or remain in soft landscaped area from the preceding stages of redevelopment works. Site visits should be undertaken to inspect, photograph, sample and test the soils placed in the garden and soft landscaped areas;
- Imported 'clean' inert topsoil and granular fill should be supported by verification certificates to provide proof of its suitability. Documentation relating to the source of clean inert topsoil should be presented to the consulting engineer for approval prior to infilling. Samples of a 'greenfield' imported clean topsoil placed in the garden areas should be testes at the rate of 1 per 250m^3 (minimum 3) to verify that the soil is suitable for use, and any 'brownfield' imported soils should be tested at the rate of 1 per 100 m^3 (minimum 6) in line with Yorkshire and Lincolnshire Pollution Advisory Group technical guidance 'Verification Requirements for Cover Systems';
- The Local Authority should also be informed regarding each stage of the works and photographic evidence together with copied waste transfer receipts for any arising should be gathered, as they are essential to demonstrate the works; and
- The local water company should be consulted with regard to the installation of water supply pipes for the proposed dwellings, unless the Made Ground is not used as backfill around such pipework. Protected plastic mains and plastic service pipes may be required across the Site due to the presence of elevated levels of contaminants in the soils, this is because the contaminants can permeate plastic and contaminate water supply pipes.

3.0 Validation Evidence

3.1 Details of Additional Contamination Recorded in the Project

Confirmation from the contractor that no additional hotspots of contamination were encountered during construction activities at the Site is provided as Appendix A.

3.2 Reduced Level Dig

It is understood that the contractor undertook a reduced level dig across the Site comprising the removal of Made Ground down to 0.90 m bgl in garden / landscaped / patio areas and replacement with imported clean topsoil and clean fill material. Waste disposal tickets for materials excavated and removed from Site are included as Appendix B. Photographs demonstrating that the Made Ground was removed down to a depth of 0.9 m bgl are included as Appendix C.

Following the reduced level dig, clean fill material (obtained from the Site) was used to raise levels prior to importation of clean certified topsoil. Confirmation from the Client is included as Appendix I.

3.3 Topsoil Test Data

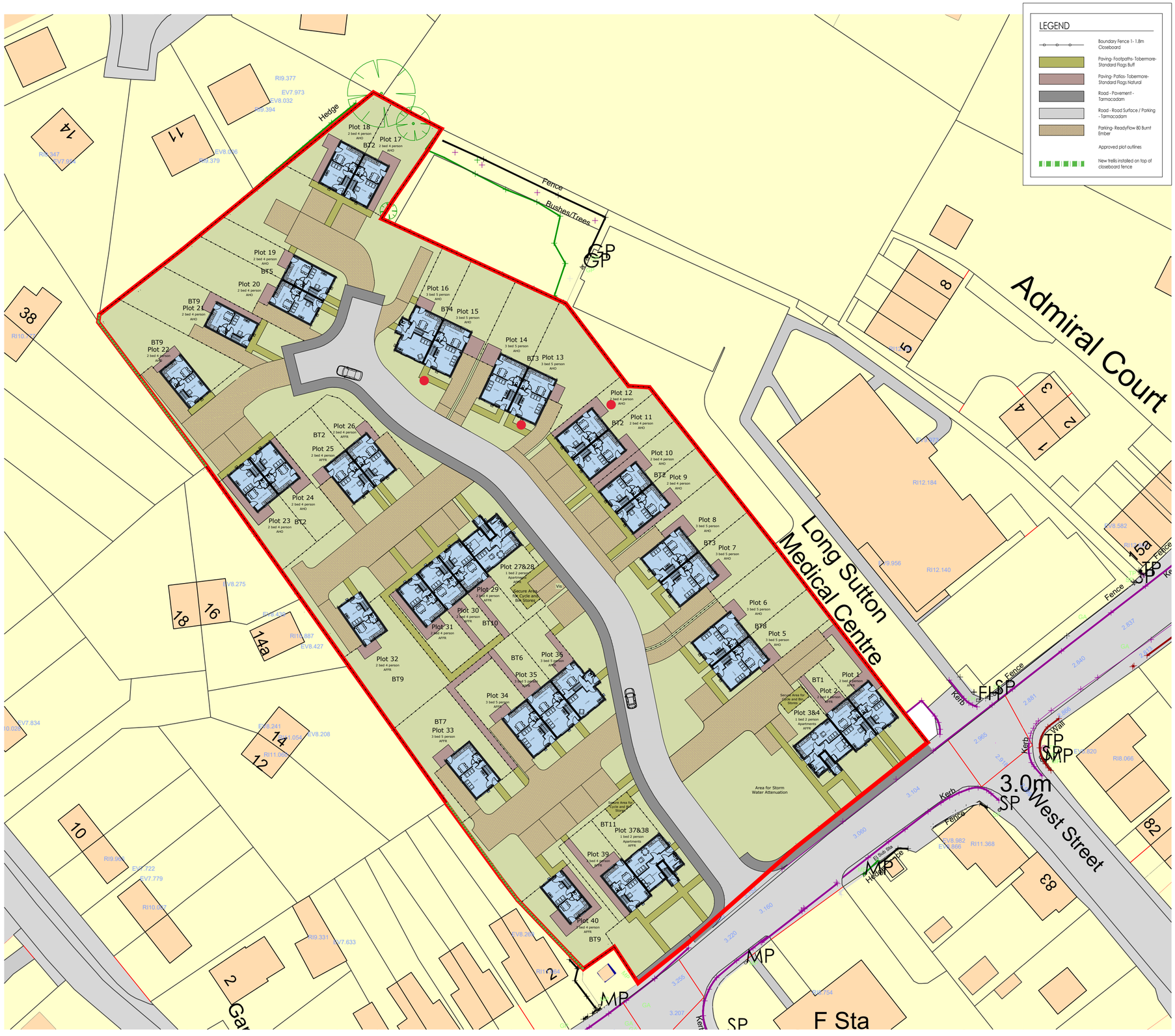
Following the reduced level dig, clean certified topsoil was imported into garden areas to facilitate the final development levels. Topsoil was sourced from Great Ponton Quarry, Dallygate Lane, Grantham, Lincolnshire, NG33 5DP. The topsoil delivery ticket is included as Appendix D.

Delta-Simons visited the Site on 19th March 2021 to confirm the depth of emplaced topsoil in three locations (Plots 12, 13 and 15) as shown on Drawing 1, and to collect samples for chemical analysis. A depth of at least 300 mm of topsoil was present in all three locations underlain by clean fill material. The chemical analysis results were compared against residential with plant uptake values. No elevated concentrations of contaminants were identified in the collected samples and as such the soil was considered to be suitable for the proposed residential end-use. The residential with plant uptake guidance values are included as Appendix E, photographs showing the depth of topsoil are included as Appendix F and the topsoil chemical results are included as Appendix G.

3.4 Fresh Water Supply Pipe Specification

The Client has confirmed that upgraded water supply pipes (Puriton) have been used on-Site. Photographs are included as Appendix H.

Drawing 1 – Topsoil Photograph Locations (with revisions made by Delta-Simons) (4261/KP/17/003 C10)



Proposed Site Plan

1:500

Printed or electronic copies of this drawing can be scaled for planning purposes only. Any discrepancies with this drawing to be reported and clarified prior to commencing work on site, if in doubt - Ask.
Corporate Architecture Ltd accept no responsibility for works not undertaken fully in accordance with this drawing and relevant specifications.
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North point:

NORTH

Notes:

Schedule of Accommodation

40 no. Units - 6 no. x 1 bed 2 person flat - 3 x 45.4m² & 3 x 49.8m²
22 no. x 2 bed 4 person house - 69m²
12 no. x 3 bed 5 person house - 84.4m² & 87.5m²

Total Site Area = 10,415m² (2.574 acres).

Note: FFL's to be no lower than 3.7AOD

Tenure Mix:

Affordable Housing:
Plots 1-4 & 25-40

Shared Ownership:
Plots 5-24

Revision Log:

Rev:	Description:	By:	Date:
C10	Revised to construction issue	cd	Oct 20

Project:
Proposed Development at
Land Off Station Road
Long Sutton
Spalding
PE12 9BP

Client:
GEDA Construction

Scale: 1:500

Drawn by:	Checked:	Date:	Paper Size:
JAE		Mar 19	A2

Drawing Title:
Proposed Site Plan

Drawing Status:
PLANNING ISSUE

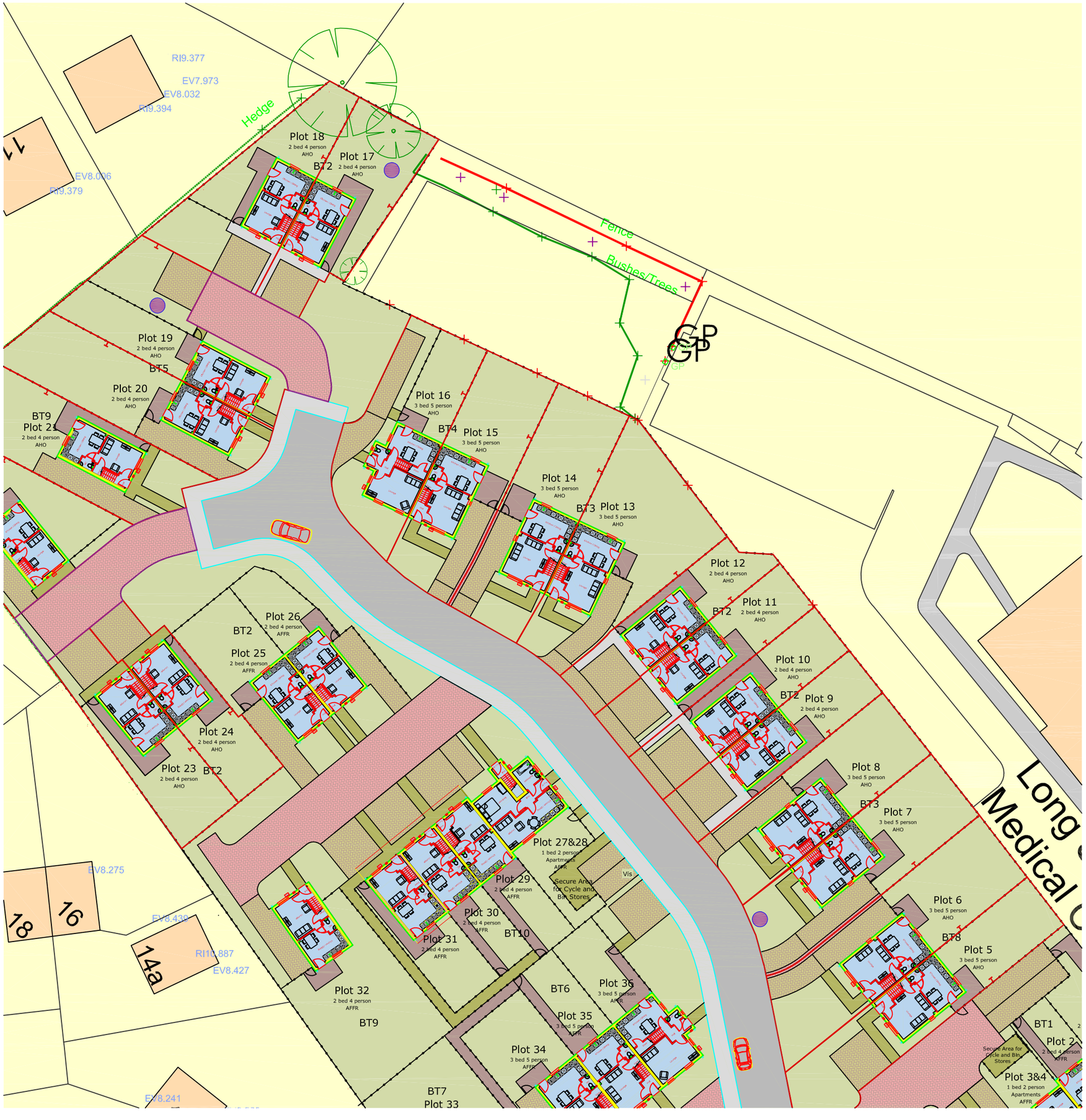
Drawing Number:	Revision Number:
4261/KP/17/003	C10

CORPORATE ARCHITECTURE LIMITED
CHARTERED ARCHITECTS

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Venari House, 1 Trimbush Way,
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www.corporatearchitecture.co.uk

Drawing 2 – Made Ground Removal Photograph Locations


Hedge
Fence
Bushes/Trees
Plot 18
2 bed 4 person
AHO
BT2
Plot 17
2 bed 4 person
AHO
Plot 19
2 bed 4 person
AHO
BT5
Plot 20
2 bed 4 person
AHO
BT9
Plot 21
2 bed 4 person
AHO
Plot 16
3 bed 5 person
AHO
BT4
Plot 15
3 bed 5 person
AHO
Plot 14
3 bed 5 person
AHO
BT3
Plot 13
3 bed 5 person
AHO
Plot 12
2 bed 4 person
AHO
Plot 11
2 bed 4 person
AHO
BT2
Plot 10
2 bed 4 person
AHO
BT2
Plot 9
2 bed 4 person
AHO
Plot 8
3 bed 5 person
AHO
BT3
Plot 7
3 bed 5 person
AHO
Plot 6
3 bed 5 person
AHO
BT8
Plot 5
3 bed 5 person
AHO
Plot 26
2 bed 4 person
AFFR
BT2
Plot 25
2 bed 4 person
AFFR
Plot 24
2 bed 4 person
AHO
Plot 23
2 bed 4 person
AHO
BT2
Plot 27&28
1 bed 2 person
Apartments
AFFR
Vis
Secure Area for Cycle and Bin Stores
Plot 29
2 bed 4 person
AFFR
Plot 30
2 bed 4 person
AFFR
BT10
Plot 31
2 bed 4 person
AFFR
Plot 32
2 bed 4 person
AFFR
BT9
BT6
Plot 36
3 bed 5 person
AFFR
Plot 35
3 bed 5 person
AFFR
Plot 34
3 bed 5 person
AFFR
BT7
Plot 33
BT1
Plot 2
2 bed 4 person
AFFR
Secure Area for Cycle and Bin Stores
Plot 3&4
1 bed 2 person
Apartments
AFFR
Long
Medical
GP
GP
GP
RI9.377
EV7.973
EV8.032
RI9.394
EV8.006
RI9.379
EV8.275
EV8.439
RI10.887
EV8.427
EV8.241
18
16
14a
7

Appendix A – Hotspot Confirmation

From: Brook Byers <Bbyers@geda.co.uk>
Sent: 11 April 2021 18:38
To: Gemma Tatton <Gemma.Tatton@deltasimons.com>
Cc: Tom Horner <Tom.Horner@deltasimons.com>; Cyril. Ronaghan <cronaghan@geda.co.uk>
Subject: RE: GEDA Construction Long Sutton

Hi Gemma,

Thanks for the below email, please find information required; below and in the attachment files.

- I can confirm that no hotspots have been encountered during the groundworks.
- Waste Disposal for soil removal- found: https://we.tl/t-kpdq2Ynsya
- Tickets for soil importation- found: https://we.tl/t-2Sdn7YAN8g
- Yes, protectaline has been used throughout this site. Photos found: https://we.tl/t-iU07cwxTRA

Should you require any additional information, please get in touch.

Many Thanks,
Brook

Brook Byers
Site Engineer
GEDA
MOB. 07443 178503

Appendix B – Waste Disposal Tickets

MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000932066	07/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

07443 178503

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	43.12
Adam Beck	FN70AMX	Tipper	WAF No	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



Brook Byers

By signing this duty of care waste transfer note the producer/holder of the waste confirms that they have fulfilled their duty to apply the waste hierarchy as required by Regulation 12 of the waste (England & Wales) Regulations 2011.

Terms & conditions of sale subject to Mick George Limited standard terms and conditions (available on request)

VAT GB 550 6329 53 Mick George Ltd Registered No. 2417831 (England)

MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000932094	07/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

07443 178503

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	WAF No
Adam Beck	FN70AMX	Tipper	43.12	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



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MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000932095	07/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

07443 178503

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	43.12
Adam Beck	FN70AMX	Tipper	WAF No	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**

Covid -19.

Brook Byers

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MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000932096	07/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

07443 178503

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	WAF No
Adam Beck	FN70AMX	Tipper	43.12	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



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MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000932097	07/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

07443 178503

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	WAF No
Adam Beck	FN70AMX	Tipper	43.12	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



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MICK GEORGE ®

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000932098	07/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

07443 178503

DELIVER

NAME: Mick George Ltd

DELIVERY/DISPOSAL ADDRESS:

Stonehill Quarry
Rutland Oil
Kings Cliffe Road
Wansford
Cambridgeshire
PE8 6NX

LICENCE No. EPR/FB3504UD

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	43.12
Ian Ratcliffe	EY17DHC	Tipper	WAF No	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**

Ed Hamilton

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MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000932099	07/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

07443 178503

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

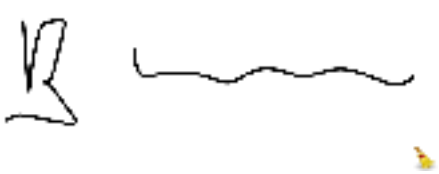
Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	43.12
Andrew Clayton	FN70ANP	Tipper	WAF No	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



Brook Byres

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MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000932100	07/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

07443 178503

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	WAF No
Andrew Clayton	FN70ANP	Tipper	43.12	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



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MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000932101	07/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

07443 178503

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	WAF No
Andrew Clayton	FN70ANP	Tipper	43.12	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



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VAT GB 550 6329 53 Mick George Ltd Registered No. 2417831 (England)

MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000932102	07/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

07443 178503

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	43.12
Andrew Clayton	FN70ANP	Tipper	WAF No	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



Brook Byres

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WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000933447	06/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

07443 178503

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	43.12
Andrew Clayton	FN70ANP	Tipper	WAF No	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



Brook Byres

By signing this duty of care waste transfer note the producer/holder of the waste confirms that they have fulfilled their duty to apply the waste hierarchy as required by Regulation 12 of the waste (England & Wales) Regulations 2011.

Terms & conditions of sale subject to Mick George Limited standard terms and conditions (available on request)

VAT GB 550 6329 53 Mick George Ltd Registered No. 2417831 (England)

MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000933448	06/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

07443 178503

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

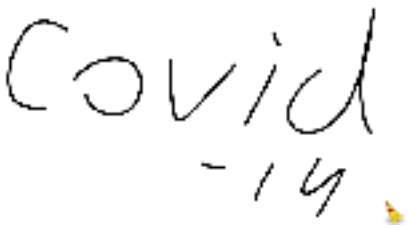
Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	WAF No
Adam Beck	FN70AMX	Tipper	43.12	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



Brook Byers

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MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000933449	06/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

07443 178503

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	43.12
Adam Beck	FN70AMX	Tipper	WAF No	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



Brook Byaers

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VAT GB 550 6329 53 Mick George Ltd Registered No. 2417831 (England)

MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000933450	06/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

07443 178503

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

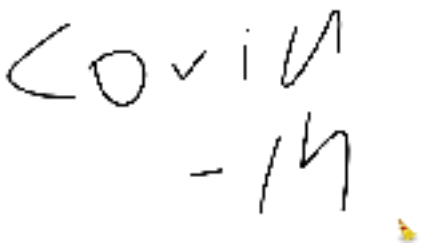
Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	WAF No
Adam Beck	FN70AMX	Tipper	43.12	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



Brook Bryaen

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Terms & conditions of sale subject to Mick George Limited standard terms and conditions (available on request)

VAT GB 550 6329 53 Mick George Ltd Registered No. 2417831 (England)

MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000933451	06/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

07443 178503

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	43.12
Adam Beck	FN70AMX	Tipper	WAF No	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



Brook Byers

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VAT GB 550 6329 53 Mick George Ltd Registered No. 2417831 (England)

MICK GEORGE ®

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000933453	07/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

DELIVER

NAME: Mick George Ltd

DELIVERY/DISPOSAL ADDRESS:

Stonehill Quarry
Rutland Oil
Kings Cliffe Road
Wansford
Cambridgeshire
PE8 6NX

LICENCE No. EPR/FB3504UD

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	43.12
Kamil Pyrtek	KT15VRY	Tipper	WAF No	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



Josh Hill

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VAT GB 550 6329 53 Mick George Ltd Registered No. 2417831 (England)

MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000933454	06/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

07443 178503

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	43.12
Andrew Clayton	FN70ANP	Tipper	WAF No	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



Brook Byres

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MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000933455	06/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

07443 178503

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	43.12
Andrew Clayton	FN70ANP	Tipper	WAF No	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



Brook Byres

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VAT GB 550 6329 53 Mick George Ltd Registered No. 2417831 (England)

MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000933456	06/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

DELIVER

NAME: Frimstone Ltd

DELIVERY/DISPOSAL ADDRESS:

Crimplesham Quarry
Main Road
Crimplesham
Norfolk
PE33 9EB

07443 178503

LICENCE No. EPR/BB3434AY

WASTE/PRODUCT DESCRIPTION

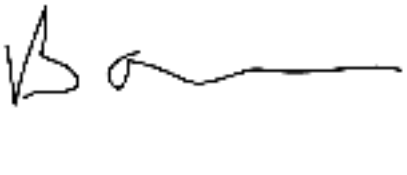
Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	43.12
Andrew Clayton	FN70ANP	Tipper	WAF No	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



Brook Byres

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VAT GB 550 6329 53 Mick George Ltd Registered No. 2417831 (England)

MICK GEORGE

WASTE TRANSFER & PRODUCT DELIVERY NOTE

CARRIER LICENCE	ISSUED BY	TICKET NO.	DATE
CBDU87105	Environment Agency	0000933457	07/01/21

COLLECTION

NAME: Geda Construction Company Ltd

COLLECTION/PRODUCT SOURCE ADDRESS:

C/O Geda
Station Road
Long Sutton
Lincolnshire
PE12 9BP

DELIVER

NAME: Mick George Ltd

DELIVERY/DISPOSAL ADDRESS:

Stonehill Quarry
Rutland Oil
Kings Cliffe Road
Wansford
Cambridgeshire
PE8 6NX

LICENCE No. EPR/FB3504UD

WASTE/PRODUCT DESCRIPTION

Naturally Occurring Inert Subsoils - EWC 170504

DRIVER NAME	VEHICLE	VEHICLE TYPE	SIC	WAF No
Ricardo Assuncao	KX16ZZU	Tipper	43.12	13321

WEIGHT INFORMATION

GROSS WEIGHT: **TARE WEIGHT:** **NET WEIGHT/LOAD:**

COLLECTION SIGNATURE: **DELIVERY OR DISPOSAL SIGNATURE:** **DRIVER SIGNATURE:**



Brooke Buyers

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VAT GB 550 6329 53 Mick George Ltd Registered No. 2417831 (England)

Appendix C – Photographs Demonstrating Made Ground Removal

Site Photographs



Photograph 1 – Plot 17



Photograph 2 – Plot 19



Photograph 3 – Plot 19



Photograph 4 – Plot 7



Photograph 5 – Plot 7

Appendix D – Topsoil Delivery Ticket

Harmston Waste Management Ltd

FOSSEWAY 46 BUSINESS PARK
NEWARK ROAD
AUBOURN
LINCOLN
LN5 9EY

TEL: 01522 869666
MOBILE: 07860 538755
EMAIL: office@gshughes.co.uk
WEB: www.gshughes.co.uk

103214

COLLECTION / DELIVERY NOTE

DATE	TIME	SITE OF ORIGIN	VEHICLE REG
7 4 21		Barton	DU18 URE

HAULAGE CONTRACTOR	CUSTOMER AND DELIVERY POINT
GS Hughes	Gedco construction Station Rd Long Sutton

TYPE OF MATERIAL					TONNES	Kgs
TOP SOIL ~~A~~	☑	3" CLEAN	☐	GROSS WEIGHT		
TOP SOIL B	☐	6F5 VIRGIN	☐			
6F5 REC	☐	MOT VIRGIN	☐	TARE WEIGHT		
MOT REC	☐	TYPE 1 GRADED	☐			
2" DOWN	☐	1 A FILL	☐	NET WEIGHT	19.03	
1" CLEAN	☐	R/P	☐			
2" CLEAN	☐					

DRIVER'S SIGNATURE ..... **DRIVER'S NAME** T Stott

MATERIALS RECEIVED BY ..... **PRINT NAME** Turton

Harmston Waste Management Ltd is a registered carrier of waste authorised by Lincolnshire County Council.
Registered number LIN514674.
Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, on hard road to site.
If deliveries are made off a public road the customer is to be solely responsible for any accident or damage resulting in consequence.

TOP COPY (WHITE) **CUSTOMER COPY** SECOND COPY (GREEN) **OFFICE COPY** THIRD COPY (YELLOW) **OTHER** FOURTH COPY (PINK) **OTHER**

Harmston Waste Management Ltd

HWM

FOSSEWAY 46 BUSINESS PARK
NEWARK ROAD
AUBOURN
LINCOLN
LN5 9EY

TEL: 01522 869666
MOBILE: 07860 538755
EMAIL: office@gshughes.co.uk
WEB: www.gshughes.co.uk

103652

COLLECTION / DELIVERY NOTE

DATE	TIME	SITE OF ORIGIN	VEHICLE REG
30 3 21		Boston	AY67 SDV

HAULAGE CONTRACTOR: G.S. Hughes

CUSTOMER AND DELIVERY POINT: Geda Construction, Station Rd, Long Sutton

TYPE OF MATERIAL					TONNES	Kgs
TOP SOIL A	☐	3" CLEAN	☐	GROSS WEIGHT		
TOP SOIL B	☐	6F5 VIRGIN	☐			
6F5 REC	☐	MOT VIRGIN	☐	TARE WEIGHT		
MOT REC	☐	TYPE 1 GRADED	☐			
2" DOWN	☐	1 A FILL	☐	NET WEIGHT	19	100
1" CLEAN	☐	R/P	☐			
2" CLEAN	☐					

DRIVER'S SIGNATURE ..... **DRIVER'S NAME** A. DeSouza

MATERIALS RECEIVED BY ..... **PRINT NAME** .....

Harmston Waste Management Ltd is a registered carrier of waste authorised by Lincolnshire County Council.
Registered number LIN514674.
Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, on hard road to site.
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Harmston Waste Management Ltd

HWM

FOSSEWAY 46 BUSINESS PARK
NEWARK ROAD
AUBOURN
LINCOLN
LN5 9EY

TEL: 01522 869666
MOBILE: 07860 538755
EMAIL: office@gshughes.co.uk
WEB: www.gshughes.co.uk

103651

COLLECTION / DELIVERY NOTE

DATE	TIME	SITE OF ORIGIN	VEHICLE REG
30 3 21		RENTON	AY18JYG

HAULAGE CONTRACTOR	CUSTOMER AND DELIVERY POINT
G.S. HUGHES	GEDA CONSTRUCTION STATION RD LONG SUTTON

TYPE OF MATERIAL					TONNES	Kgs
TOP SOIL A	☑	3" CLEAN	☐	GROSS WEIGHT		
TOP SOIL B	☐	6F5 VIRGIN	☐			
6F5 REC	☐	MOT VIRGIN	☐	TARE WEIGHT		
MOT REC	☐	TYPE 1 GRADED	☐			
2" DOWN	☐	1 A FILL	☐	NET WEIGHT	19	240
1" CLEAN	☐	R/P	☐			
2" CLEAN	☐					

DRIVER'S SIGNATURE ..... **DRIVER'S NAME** S Hall

MATERIALS RECEIVED BY ..... **PRINT NAME** .....

Harmston Waste Management Ltd is a registered carrier of waste authorised by Lincolnshire County Council.
Registered number LIN514674.
Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, on hard road to site.
If deliveries are made off a public road the customer is to be solely responsible for any accident or damage resulting in consequence.

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Harmston Waste Management Ltd

HWM

FOSSEWAY 46 BUSINESS PARK
NEWARK ROAD
AUBOURN
LINCOLN
LN5 9EY

TEL: 01522 869666
MOBILE: 07860 538755
EMAIL: office@gshughes.co.uk
WEB: www.gshughes.co.uk

107041

COLLECTION / DELIVERY NOTE

DATE	TIME	SITE OF ORIGIN	VEHICLE REG
9 4 21		PONTON	SDV

HAULAGE CONTRACTOR	CUSTOMER AND DELIVERY POINT
GSH	GEDA LONG SUTTON

TYPE OF MATERIAL					TONNES	Kgs
TOP SOIL A	☒	3" CLEAN	☐	GROSS WEIGHT		
TOP SOIL B	☐	6F5 VIRGIN	☐			
6F5 REC	☐	MOT VIRGIN	☐	TARE WEIGHT		
MOT REC	☐	TYPE 1 GRADED	☐			
2" DOWN	☐	1 A FILL	☐	NET WEIGHT	19	00
1" CLEAN	☐	R/P	☐			
2" CLEAN	☐					

DRIVER'S SIGNATURE ..... **DRIVER'S NAME** .....

MATERIALS RECEIVED BY KEVIN **PRINT NAME** .....

Harmston Waste Management Ltd is a registered carrier of waste authorised by Lincolnshire County Council.
Registered number LIN514674.
Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, on hard road to site.
If deliveries are made off a public road the customer is to be solely responsible for any accident or damage resulting in consequence.

TOP COPY (WHITE) **CUSTOMER COPY** SECOND COPY (GREEN) **OFFICE COPY** THIRD COPY (YELLOW) **OTHER** FOURTH COPY (PINK) **OTHER**

Appendix E – Imported Soils Assessment Criteria

The following Generic Assessment Criteria shall apply as absolute limits for all soils imported for re-use as clean cover **regardless of the end use of the Site**.

The criteria selected are based on Residential with Plant Uptake land use scenario on the basis that imported clean cover soils should be 'clean' and not result in an increase in contaminant loading. It may be possible, in some circumstances, to agree alternative, higher criteria with the appropriate regulatory body, however, this is outside of the scope of this assessment.

Soils shall be tested for a suite of contaminants appropriate to the source land use but as a minimum for the contaminants stated below unless otherwise stated within this strategy. The below criteria assume a minimum of 1% Soil Organic Matter.

In addition to meeting the criteria below, imported materials shall be free from deleterious inclusions and shall be free from invasive weeds (Japanese Knotweed).

Any testing for asbestos must be from a UKAS accredited laboratory and the only acceptable criteria is 'Not Detected'. Any detected asbestos, even is reports as <0.001% is not acceptable. Asbestos containing soils must not be used for clean cover materials.

Criteria for Imported Materials			
Compound	**GAC**	**Source**	**Comment**
Arsenic	37	C4SL	
Cadmium	11	LQM	
Chromium (III)	910	LQM	
Chromium (VI)	6	LQM	
Copper	2400	LQM	
Lead	200	C4SL	
Mercury (inorganic)	40	LQM	
Nickel	130	LQM	
Selenium	250	LQM	
Zinc	3700	LQM	
Acenaphthene	210	LQM	
Acenaphthylene	170	LQM	
Anthracene	2400	LQM	
Benzo[a]anthracene	7.2	LQM	
Benzo[a]pyrene	2.2	LQM	
Benzo[b]fluoranthene	2.6	LQM	
Benzo[ghi]perylene	320	LQM	
Benzo[k]fluoranthene	77	LQM	
Chrysene	15	LQM	
Dibenz[ah]anthracene	0.24	LQM	
Fluoranthene	280	LQM	
Fluorene	170	LQM	
Indeno[123-cd]pyrene	27	LQM	
Naphthalene	2.3	LQM	
Phenanthrene	95	LQM	
Pyrene	620	LQM	
Benzene	0.2	C4SL	
Toluene	130	LQM	
Ethylbenzene	47	LQM	
Xylene – m/p	56	LQM	
Xylene - o	60	LQM	
Total Petroleum Hydrocarbons (TPH)	500		Professional judgement.
Aliphatic EC5-EC6	42	LQM	
Aliphatic >EC6-EC8	100	LQM	

Criteria for Imported Materials			
Compound	**GAC**	**Source**	**Comment**
Aliphatic >EC8-EC10	27	LQM	
Aliphatic >EC10-EC12	130	LQM	
Aliphatic >EC12-EC16	500	LQM	Capped at 500 - professional judgement
Aromatic >EC5-EC7	70	LQM	
Aromatic >EC7-EC8	130	LQM	
Aromatic >EC8-EC10	34	LQM	
Aromatic >EC10-EC12	74	LQM	
Aromatic >EC12-EC16	140	LQM	
Aromatic >EC16-EC21	260	LQM	
Aromatic >EC21-EC35	500	LQM	Capped at 500 - professional judgement
Asbestos	Not Detected		

The respective sources are:

- Soil Guidance Values (**SGV**) published by the EA;
- Category 4 Screening Levels (**C4SL**s) published by DEFRA;
- The 2014 Land Quality Management (**LQM**) / Chartered Institute of Environmental Health (CIEH) Suitable for Use Levels for Human Health Risk Assessment (S4ULs);
- The guidance values produced by the Environmental Industries Commission (**EIC**), the Association of Geotechnical and Geoenvironmental Specialists (AGS) and Contaminated Land: Application in Real Environments (CL:AIRE) in December 2009; and
- In house Generic Screening Values (**DS-GAC**s) derived by Delta-Simons.

Appendix F – Topsoil Photographs

Site Photographs



Photograph 1 – Plot 12 hand dug pit



Photograph 2 – Plot 13 hand dug pit



Photograph 3 – Plot 15 hand dug pit

Appendix G – Topsoil Chemical Results

Tom Horner
Delta-Simons
3 Henley Office Park
Doddington Road
Lincoln
LN6 3QR

e: Tom.Horner@deltasimons.com

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 21-64191

Replaces Analytical Report Number: 21-64191, issue no. 1
Client sampling date amended.

Project / Site name:	Station Road Long Sutton	**Samples received on:**	22/03/2021
Your job number:	21 0536 01	**Samples instructed on/ Analysis started on:**	22/03/2021
Your order number:	DS59931	**Analysis completed by:**	29/03/2021
Report Issue Number:	2	**Report issued on:**	30/03/2021
Samples Analysed:	3 soil samples		

Signed:

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 21-64191
Project / Site name: Station Road Long Sutton
Your Order No: DS59931

Lab Sample Number				1812095	1812096	1812097
Sample Reference				Plot 12	Plot 13	Plot 15
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.30	0.25
Date Sampled				19/03/2021	19/03/2021	19/03/2021
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	11	8.7	11
Total mass of sample received	kg	0.001	NONE	1.2	1.2	1.0
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.7	8.0	8.0
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	130	82	120
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.065	0.041	0.062
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	65.2	41.2	62.3

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.32	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.67	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.60	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.38	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.32	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.38	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.14	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.34	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	3.15	< 0.80

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	6.2	9.2	7.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	12	8.2	8.7
Copper (aqua regia extractable)	mg/kg	1	MCERTS	18	10	9.8
Lead (aqua regia extractable)	mg/kg	1	MCERTS	28	18	19
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	11	8.5	8.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	46	34	38

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Project / Site name: Station Road Long Sutton
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Lab Sample Number				1812095	1812096	1812097
Sample Reference				Plot 12	Plot 13	Plot 15
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.30	0.25
Date Sampled				19/03/2021	19/03/2021	19/03/2021
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
Monoaromatics & Oxygenates						
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
Petroleum Hydrocarbons						
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC35 - EC40	mg/kg	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	18	13	< 10
TPH-CWG - Aromatic >EC35 - EC40	mg/kg	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	26	19	< 10
TPH (C35 - C40)	mg/kg	10	MCERTS	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

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* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1812095	Plot 12	None Supplied	0.2	Brown loam and sand with gravel and vegetation.
1812096	Plot 13	None Supplied	0.3	Brown loam and sand with gravel and vegetation.
1812097	Plot 15	None Supplied	0.25	Brown loam with gravel and vegetation.

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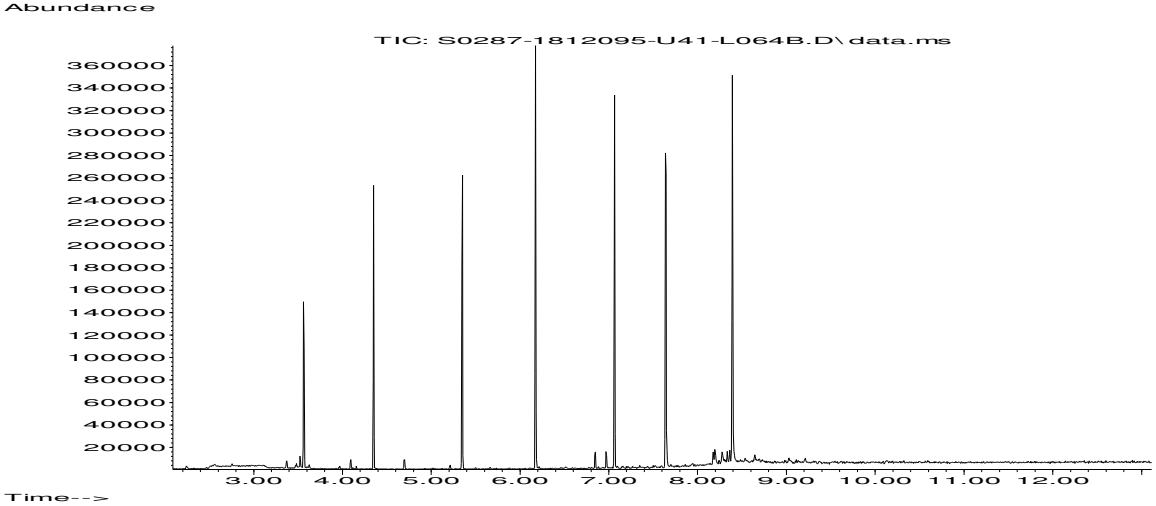
Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

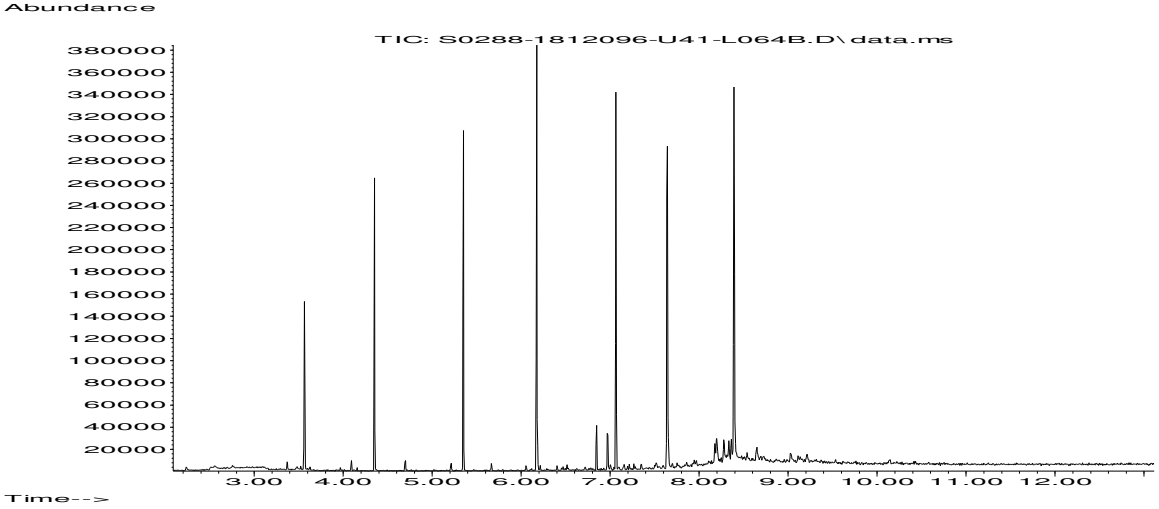
Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
TPH Chromatogram in Soil	TPH Chromatogram in Soil.	In-house method	L064-PL	D	NONE
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
D.O. for Gravimetric Quant if Screen/ID positive	Dependent option for Gravimetric Quant if Screen/ID positive scheduled.	In house asbestos methods A001 & A006.	A006-PL	D	NONE
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

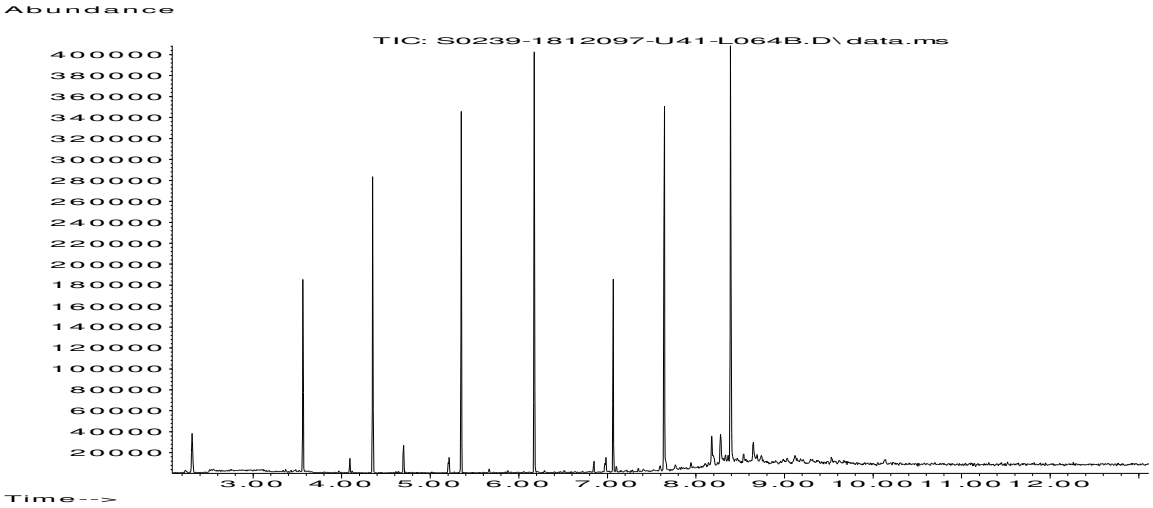
For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

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Abundance
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320000
300000
280000
260000
240000
220000
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120000
100000
80000
60000
40000
20000
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
Time-->


Abundance
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320000
300000
280000
260000
240000
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60000
40000
20000
3.00
4.00
5.00
6.00
7.00
8.00
9.00
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11.00
12.00
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Abundance
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80000
60000
40000
20000
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
Time-->

Appendix H – Water Pipe (Puriton) Photographs

Site Photographs



Photograph 1 – Puriton water pipe



Photograph 2 – Puriton water pipe

Appendix I – Client Correspondence

From: Brook Byers <Bbyers@geda.co.uk>
Sent: 05 May 2021 07:54
To: Gemma Tatton <Gemma.Tatton@deltasimons.com>
Cc: Tom Horner <Tom.Horner@deltasimons.com>; Fionnuala McKenna <fmckenna@geda.co.uk>; Alex Hunter <Alex.Hunter@deltasimons.com>; Cyril. Ronaghan <cronaghan@geda.co.uk>
Subject: RE: GEDA Construction Long Sutton

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Gemma,

Just confirming that the clean fill material, used to raise levels, has been obtained from site itself.

Many Thanks

Brook Byers
Site Engineer
GEDA
MOB. 07443 178503