



**GEOTECHNICAL AND
QUANTITATIVE GROUND
CONTAMINATION RISK
ASSESSMENT AND
REMEDIATION STRATEGY
REPORT**

**LAND AT WOODGATE
NURSERIES
LIDSEY ROAD
WOODAGTE
WEST SUSSEX**

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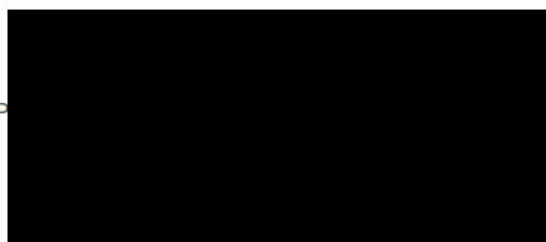
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This report is not intended to be either an ecological, archaeological or flood risk assessment. An appropriate specialist should be consulted about any concerns that may arise in this regard.

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EXECUTIVE SUMMARY

The following presents a summary of the main findings of the report. It is emphasised that no reliance should be placed on any individual point until the whole of the report has been read as other sections of the report may put into context the information contained herein.

The development proposals comprise the demolition of the existing on-site structures over part of the site, specifically several derelict glass houses and nursery buildings, and the subsequent construction of a residential development encompassing new homes, landscaping, drainage, parking areas and other associated works. The development also includes an access road that will link the proposed site to Lidsey Road to the east.

Reference to geological datasets indicates that the site is expected to be underlain by the River Terrace Deposits overlying the London Clay Formation. The ground investigation confirmed the underlying soils to comprise a shallow thickness of made ground, overlying River Terrace Deposits.

The River Terrace Deposits are classed as a Secondary A Aquifer. The London Clay Formation is classed as an Unproductive Stratum. The site does not lie within a SPZ. Groundwater has been recorded at depths of between 0.26m and 2.69m below ground level during the intrusive works and monitoring visits.

Precautions against shrinkage and heave for any new foundation system should assume a medium volume change potential for the fine-grained River Terrace Deposits soils. The undisturbed sand soils of the River Terrace Deposits may be considered to be non-plastic and hence non-shrinkable.

A net allowable bearing capacity of 100kN/m² may be assumed for spread (pad or strip) foundations up to 1.0m across bearing within the River Terrace Deposits of at least firm consistency or loose to medium dense relative density.

A DS-1 Design Sulfate Class and an AC-1 ACEC classification should be assumed as a minimum for the design of concrete in contact with the ground.

Ground floors should be suspended unless the conditions set out within this report can be met.

Design equilibrium California bearing ratios and moduli of subgrade reaction are presented in the report. The subgrade is likely to be susceptible to frost heave.

The made ground beneath the eastern part of the former nursery area has been found to contain concentrations of lead and PAH compounds above published screening values. Concentrations of petroleum hydrocarbons above the threshold values for the use of PE pipework were identified in the eastern part of the former nursery area. A further localised patch of made ground has been identified near the northern boundary of the site which contains concentrations of lead above published screening values.

Remedial works are required in part of the site to reduce the risk to end users to an acceptable level. Details of the works required and the specific areas in which they are needed are set out in this report.

Testing of the groundwater was undertaken to assess the potential for landfill leachate to have migrated onto the site. The very low concentrations of contaminants recorded within the groundwater samples show that there is no evidence of any significant migration of leachate from the nearby landfill. The concentrations of contaminants recorded do not pose an unacceptable risk to end users of the site or to controlled waters and no further assessment in this regard is considered to be necessary.

The assessment of risk from ground gases has categorised the site as Characteristic Situation 1 (CS1) – a very low risk. For CS1 sites, the guidance states that no gas protection measures are required.

TABLE OF CONTENTS

1.	INTRODUCTION	1
2.	SITE CONTEXT	2
2.1	Site Description	2
2.2	Geological and Hydrogeological Data	5
3.	SITE WORKS	7
3.1	Introduction	7
3.2	Exploratory Holes	7
3.3	Sampling	10
3.4	In Situ Strength Testing	10
3.5	Installations	10
3.6	Laboratory Testing	10
4.	GROUND CONDITIONS	11
4.1	Stratigraphy	11
4.2	Stability	12
4.3	Groundwater Conditions	12
5.	GEOTECHNICAL ASSESSMENT	13
5.1	Foundations	13
5.2	Ground Floors	15
5.3	Groundwater	16
5.4	Stability of Excavations	16
5.5	Aggressivity to Concrete	17
5.6	Pavement Design	17
6.	QUANTITATIVE CONTAMINATION ASSESSMENT	20
6.1	Introduction	20
6.2	Preliminary Conceptual Model	20
6.3	Assessment Strategy	20
6.4	Method of Assessment	21
6.5	Soils – Heavy Metals, PAH Compounds & Asbestos	21
6.6	Soils – Petroleum Hydrocarbons	27
6.7	Groundwater Analysis	28
6.8	Ground Gas Monitoring Results	31
6.9	Quantitative Contamination Risk Assessment	36
7.	REMEDIATION STRATEGY	38
7.1	Options Appraisal	38
7.2	Protection of Human Health	38
7.3	Protection of Controlled Waters	39
7.4	Protection of Services	39
7.5	Protection of Construction Workers	40
7.6	Discovery Strategy	40
8.	VERIFICATION PLAN	41

8.1	Stripped Formations	41
8.2	Cover System Depth and Placement of Geotextile Marker	41
8.3	Imported Materials	41
8.4	Sampling Rates	43
8.5	Services	43
9.	POST REMEDIATION RISK ASSESSMENT	44
10.	REGULATORY APPROVAL	45
11.	HANDLING AND DISPOSAL OF WASTE	46
11.1	Waste Management – Legislative Framework	46
11.2	Analysis of Laboratory Test Results	46

FIGURES AND APPENDICES

FIGURES

Figure 1	Site Location Plan
Figure 2	Site Plan
Figure 3	Site Plan Showing Distribution of Lead Concentrations in Samples of Made Ground
Figure 4	Site Plan Showing Distribution of Benzo(a)pyrene Concentrations in Samples of Made Ground
Figure 5	Site Plan Showing the Northern Part of the Site - Distribution of Lead Concentrations in Samples of Made Ground (Both Phases of Ground Investigation)
Figure 6	Exploratory Hole Locations on Development Proposal
Figure 7	Site Plan Showing Extent of Remediation Required

APPENDIX A

Proposed Development Layout

APPENDIX B

Explanatory Notes
Exploratory Hole Records
DPSH-B Dynamic Probe Records
TRL Dynamic Cone Penetrometer (CBR) Record

APPENDIX C

Gas Concentration and Groundwater Monitoring Results

APPENDIX D

Geotechnical Laboratory Test Results
Contamination Laboratory Test Results

APPENDIX E

Aggressivity To Concrete Assessment
Summary of In Situ CBR Test Results
Graph of CBR vs Depth
Graph of Subgrade Surface Modulus vs Depth

APPENDIX F

Classification of Probability, Consequence and Risk

APPENDIX G

Preliminary Conceptual Model

APPENDIX H

Quantitative Conceptual Model

APPENDIX I

HazWasteOnline Output Sheets

APPENDIX J

Waste Disposal Ticket

1. INTRODUCTION

It is proposed to develop land at Woodgate Nurseries located to the west of Lidsey Road, Woodgate, West Sussex. The development proposals comprise the demolition of the existing on-site structures, specifically several derelict glass houses and nursery buildings, and the subsequent construction of a residential development encompassing new homes, landscaping, drainage, parking areas and other associated works. The development also includes an access road that will link the proposed site to Lidsey Road. A copy of the proposed development layout is presented in Appendix A.

Ashdown Site Investigation Ltd was requested to undertake a ground investigation, carry out a quantitative ground contamination risk assessment and provide advice to assist with the structural design. Indicative waste analysis of soils encountered on site was also requested.

The scope of the works covered by this report, and the terms and conditions under which they were undertaken, were set out within the offer letter Q15287Rev1, dated 17th July 2025 and Q15807, dated 10th October 2025. The works were undertaken under purchase orders: PO 549 and PO 576 provided by the client, Basing Partners Ltd, c/o Hanbury AM Ltd.

The specific objectives of the works were to:

- a) Establish the expected geology and hydrogeology at the site;
- b) Investigate the shallow ground and groundwater conditions in the area of the proposed development;
- c) Provide advice/parameters to assist others in undertaking design of spread foundations, ground floors and road pavement;
- d) Test for the presence of contaminants identified by the preliminary conceptual model;
- e) Develop a quantitative conceptual model of the site, refining the preliminary model to identify any pollutant linkages that may be present;
- f) Develop remedial measures required to sever identified pollutant linkages; and
- g) Provide an indicative assessment of the waste classification of the materials tested.

This report should be read in conjunction with the Preliminary Ground Contamination Risk Assessment Report prepared by Ashdown Site Investigation Ltd¹.

¹ Ashdown Site Investigation Ltd., Project Ref: P16445, Report Ref: R16071, dated 22nd July 2024.

2. SITE CONTEXT

2.1 Site Description

The site is located to the west of Lidsey Road, Woodgate, West Sussex and is centred on the approximate Ordnance Survey national grid reference 493506 104145. A site location plan and site plan are presented as Figure 1 and Figure 2, respectively.

The main part of the site comprises a former plant nursery, with two open fields to the west and a field to the north-east. A brick shed containing spare glass panes, irrigation pipework, wires and small oil containers is located in one of the fields to the west of the main glass houses that comprise the former nursery.

The former glasshouses are overgrown with vegetation and the remains of heating systems, tyres and chairs, and general concrete and rubble can be seen inside. The southern part of the nursery features several derelict polytunnels which again feature a large amount of visible rubble inside. Between the glasshouses and the polytunnels is an area of rough ground and several piles of debris where materials such as plastic, metal, concrete and brick can be seen from the surface.

At the time of the original walkover survey and both phases of intrusive site works, several building structures were located along the eastern boundary of the former nursery area including a garage block, an asbestos clad shed, a store building, several dilapidated sheds and a house. Another house was also located immediately north-east of the main glasshouse.

In May 2026, the outbuildings/sheds along the eastern boundary were removed from the site and a second walkover survey was carried out.

Aerial photographs provided by the client showing the site before and after the removal works are presented below. A copy of the waste disposal ticket for the removal of the asbestos materials, as provided by the client, is presented in Appendix J.

Aerial image of the site prior to the removal of the outbuildings



Aerial image of the site following removal of the outbuildings



The follow up walkover survey was carried out on 26th May 2026. The majority of the site appeared largely similar in appearance to how it was observed during the intrusive works and monitoring.

The strip of outbuildings along the eastern side of the site had been removed, leaving the concrete floor slabs in place. The only remaining element was a small blockwork cupboard at the northern end of the strip, which contained a fuseboard.

Site Photographs	
Looking north from the southern extent of the strip of former outbuildings	Looking north from partway along the strip of former outbuildings
	
Looking south from partway along the strip of former outbuildings	Blockwork fuseboard cupboard at the northern end of the strip of former outbuildings
	

A small amount of rubble and waste material remained around the area of the former buildings, but this was similar in appearance to how the site was observed prior to the clearance works and does not represent an additional source of potential contamination.

2.2 Geological and Hydrogeological Data

Detailed information on the background data for the site is included in the preliminary ground contamination risk assessment report². Pertinent information has been summarised in the following sections.

2.2.1 Expected Geology and Aquifer Designation

The stratigraphic succession that may be expected to underlie the site has been established by reference to British Geological Survey (BGS) mapping and the BGS Lexicon of Named Rock Units. The expected stratigraphy is presented in the following table.

Table 1. *Expected Strata and Aquifer Designation*

Type	Stratum	Aquifer Designation
Superficial	River Terrace Deposits	Secondary A Aquifer
Bedrock	London Clay Formation	Unproductive Stratum

The River Terrace Deposits in this area were formerly denoted as the Brickearth and comprise brown sandy (fine) silt or clay largely originating from the solution weathering of the previously existing chalk. The material will have been reworked by water flow to produce some lateral variability in the grain size of the soil (sand and gravel) and can be expected to contain a variable content of flint.

² Ashdown Site Investigation Ltd Project Ref: P16445, Report Ref: R16071, dated 22nd July 2024.

The London Clay Formation forms part of the Thames Group. The formation is of Ypresian age (47.8 to 56 million years old; Early Eocene). The London Clay Formation mainly comprises bioturbated or poorly laminated, blue-grey or grey-brown, slightly calcareous, silty to very silty clay, clayey silt and sometimes silt, with some layers of sandy clay. It commonly contains thin courses of carbonate concretions ('cementstone nodules') and disseminated pyrite. It also includes a few thin beds of shells and fine sand partings or pockets of sand, which commonly increase towards the base and towards the top of the formation. At the base, and at some other levels, thin beds of black rounded flint gravel occur in places. Glauconite is present in some of the sands and in some clay beds, and white mica occurs at some levels. The formation is recorded by the BGS to range in thickness up to 150m.

2.2.2 *Radon*

The previous desk data reported the site to be within an area where between 1% and 3% of properties are above the action level requiring radon gas protection measures to be installed in new buildings. No radon protection measures are reported by the British Geological Survey to be necessary in the construction of new dwellings or extensions.

2.2.3 *Groundwater Source Protection Zones (SPZ)*

The Environment Agency defines SPZs as those areas where groundwater supplies are at risk from potentially polluting activities and accidental releases of pollutants. SPZs are primarily a policy tool used to control activities close to water supplies intended for human consumption.

The site does not lie within a SPZ.

2.2.4 *Groundwater Abstractions*

The closest groundwater abstraction licence is recorded to lie 1294m to the south-west of the site. The abstraction is for trickle irrigation.

2.2.5 *Surface Water Abstractions*

The closest surface water abstraction licence is recorded to lie 565m to the east of the site. The abstraction is for spray irrigation.

2.2.6 *Potable Abstractions*

The closest potable abstraction licence is recorded to lie 1856m to the north-west of the site.

2.2.7 *Groundwater Vulnerability*

The level of groundwater vulnerability, as reported within the Groundsure data, is High.

2.2.8 *Surface Water Features*

Drainage ditches are present along the northern and southern boundaries of the site. It is understood that a culvert may also be present along the eastern boundary of the former plant nursery.

3. SITE WORKS

3.1 Introduction

The first phase of intrusive site works comprised a series of dynamic sampler boreholes, hand auger boreholes and hand dug/machine dug pits, with accompanying in-situ geotechnical testing. These works were carried out between 5th and 26th August 2025. A second phase of intrusive works, comprising a series of targeted hand dug pits, was undertaken on 27th October 2025.

The exploratory hole locations from both phases of work are shown on Figure 2.

Due to the overgrown nature of the site, an excavator was used to facilitate access for the dynamic sampler rig. Additionally, at the time of the investigation, the fields to the west of the site were growing maize. To avoid crop damage, the exploratory holes in these fields were undertaken using hand held equipment.

Descriptions of the strata encountered and comments on groundwater conditions are shown in the exploratory hole records given in Appendix B, which also includes explanatory notes to assist in their interpretation.

3.2 Exploratory Holes

The following table summarises the intrusive works undertaken at the site.

Table 2. Summary of Intrusive Works Undertaken

Designation	Depth (m bgl)	Method	Installation
WS01	3.00	Dynamic Sampler	
WS02	3.00	Dynamic Sampler	
WS03	3.00	Dynamic Sampler	
WS04	3.00	Dynamic Sampler	
WS05	3.00	Dynamic Sampler	Gas/ Groundwater monitoring standpipe
WS06	3.00	Dynamic Sampler	
WS07	3.00	Dynamic Sampler	Gas/ Groundwater monitoring standpipe
WS08	3.00	Dynamic Sampler	
WS09	3.00	Dynamic Sampler	Gas/ Groundwater monitoring standpipe
WS10	3.00	Dynamic Sampler	
WS11	3.00	Dynamic Sampler	
WS12	3.00	Dynamic Sampler	Gas/ Groundwater monitoring standpipe
WS13	3.00	Dynamic Sampler	
WS14	3.00	Dynamic Sampler	
WS15	3.00	Dynamic Sampler	
WS16	3.00	Dynamic Sampler	Gas/ Groundwater monitoring standpipe
WS17	3.00	Dynamic Sampler	
WS18	3.00	Dynamic Sampler	

Designation	Depth (m bgl)	Method	Installation
WS19	3.00	Dynamic Sampler	Gas/ Groundwater monitoring standpipe
WS20	3.00	Dynamic Sampler	
WS21	3.00	Dynamic Sampler	
WS22	3.00	Dynamic Sampler	Gas/ Groundwater monitoring standpipe
WS23	3.00	Dynamic Sampler	
WS24	3.00	Dynamic Sampler	
WS25	3.00	Dynamic Sampler	Gas/ Groundwater monitoring standpipe
WS26	3.00	Dynamic Sampler	
WS27	1.30	Hand Auger	
WS28	1.40	Hand Auger	
WS29	3.00	Dynamic Sampler	Gas/ Groundwater monitoring standpipe
WS30	1.30	Hand Auger	
WS31	3.00	Dynamic Sampler	Gas/ Groundwater monitoring standpipe
WS32	1.10	Hand Auger	
WS33	1.50	Hand Auger	
TP01	0.75	Machine Dug Pit	
TP02	0.60	Machine Dug Pit	
TP03	0.60	Machine Dug Pit	
TP04	0.90	Machine Dug Pit	
TP05	0.80	Machine Dug Pit	
TP06	0.80	Machine Dug Pit	
TP07	0.70	Machine Dug Pit	
TP08	0.70	Machine Dug Pit	
TP09	0.60	Machine Dug Pit	
TP10	0.60	Hand Dug Pit	
TP11	0.60	Hand Dug Pit	
TP12	0.70	Machine Dug Pit	
TP13	0.60	Machine Dug Pit	
TP14	0.60	Hand Dug Pit	
TP15	0.60	Hand Dug Pit	
TP16	0.60	Hand Dug Pit	
TP17	0.60	Hand Dug Pit	
TP18	0.60	Hand Dug Pit	
TP19	0.65	Hand Dug Pit	
TP20	0.60	Hand Dug Pit	
TP21	0.60	Hand Dug Pit	
TP22	0.60	Hand Dug Pit	
TP23	0.30	Hand Dug Pit	
TP24	0.50	Hand Dug Pit	
TP25	0.60	Hand Dug Pit	

Designation	Depth (m bgl)	Method	Installation
TP26	0.60	Hand Dug Pit	
TP27	0.60	Hand Dug Pit	
TP28	0.60	Hand Dug Pit	
TP29	0.60	Hand Dug Pit	
TP30	0.60	Hand Dug Pit	
TP31	0.60	Hand Dug Pit	
TP32	0.60	Hand Dug Pit	
TP33	0.60	Hand Dug Pit	
TP34	0.60	Hand Dug Pit	
TP35	0.60	Hand Dug Pit	
TP36	0.60	Hand Dug Pit	
TP37	0.60	Hand Dug Pit	
TP38	0.65	Hand Dug Pit	
TP39	0.60	Hand Dug Pit	
TP40	0.60	Hand Dug Pit	
TP41	0.60	Hand Dug Pit	
TP42	0.60	Hand Dug Pit	
TP43	0.60	Hand Dug Pit	
TP44	0.60	Hand Dug Pit	
TP45	0.60	Hand Dug Pit	
TP46	0.60	Hand Dug Pit	
TP47	0.30	Hand Dug Pit	
TP101	0.50	Hand Dug Pit	
TP102	0.60	Hand Dug Pit	
TP103	0.65	Hand Dug Pit	
TP104	0.60	Hand Dug Pit	
TP105	0.60	Hand Dug Pit	
TP106	0.60	Hand Dug Pit	
TP107	0.50	Hand Dug Pit	
TP108	0.60	Hand Dug Pit	
TP109	0.50	Hand Dug Pit	
TP110	0.55	Hand Dug Pit	
TP111	0.60	Hand Dug Pit	
TP112	0.45	Hand Dug Pit	
PT113	0.55	Hand Dug Pit	
TP114	0.50	Hand Dug Pit	
TP115	0.60	Hand Dug Pit	
TP116	0.50	Hand Dug Pit	
TP117	0.55	Hand Dug Pit	
TP118	0.50	Hand Dug Pit	
TP119	0.50	Hand Dug Pit	
TP120	0.60	Hand Dug Pit	

Designation	Depth (m bgl)	Method	Installation
TP121	1.00	Hand Dug Pit	
TP122	1.00	Hand Dug Pit	
TP123	1.00	Hand Dug Pit	
TP124	1.00	Hand Dug Pit	
TP125	1.00	Hand Dug Pit	
TP126	0.70	Hand Dug Pit	

3.3 Sampling

Samples of soil were taken from the exploratory holes at the depths shown in the exploratory hole records. The types of samples taken are indicated on the exploratory hole records. Details on the sample types are provided in the explanatory notes.

Samples of groundwater were taken from the standpipes. The standpipes were purged of three well volumes of water before the samples were collected.

Where appropriate, samples were stored in cool boxes with cooling blocks to maintain temperatures below 4°C until transferred to refrigerators upon return to the office and subsequently forwarded to the external accredited chemical testing laboratory.

3.4 In Situ Strength Testing

The types and depths of in situ testing, together with the test results, are either given on the exploratory hole records or are summarised separately in Appendix B. Further details on the in situ testing methods are provided in the explanatory notes.

3.5 Installations

Gas monitoring standpipes were installed to depths of between 2.40m and 3.00m in ten of the boreholes. Descriptions of the installations are shown on the exploratory hole records.

The concentrations of gases and depths to groundwater within the standpipes were recorded on seven occasions between 26th August 2025 and 26th January 2026. The readings are presented in Appendix C.

3.6 Laboratory Testing

Laboratory testing was scheduled by Ashdown Site Investigation Ltd.

Geotechnical testing was undertaken by Ashdown Site Investigation Ltd. Chemical testing was undertaken by a laboratory with recognised (UKAS and MCERTS) accreditation for quality control.

Results from the laboratory tests are provided in Appendix D.

4. GROUND CONDITIONS

4.1 Stratigraphy

4.1.1 Surface Covering

Exploratory holes WS01-WS08, WS11, WS21, WS23, WS26, WS28, WS30, WS33, TP01, TP03, TP08, TP13, TP14, TP18-TP21, TP23, TP27-TP31, TP34-TP40, TP44-TP47, TP105-TP107, TP112, TP116, TP121 and TP124 were excavated through a surface cover of topsoil some 40mm to 300mm in thickness.

Within exploratory holes WS09, WS10 and TP06, a surface covering of gravel, and concrete in TP06, over a membrane some 50mm thick was recorded. Trial pits TP10 and TP11 encountered crystalline rock gravel overlying a thin layer of topsoil, some 100mm thick. Within trial pit TP17 concrete some 150mm thick was recorded.

No specific surfacing materials were encountered within the other exploratory holes

4.1.2 Made Ground

Made ground soils, generally comprising clay with varying gravel, sand and silt content, were recorded to depths of between 0.15m and 0.85m below ground level in a majority of the exploratory holes. The gravel fraction comprised variable quantities of brick, concrete, flint, crystalline rock, asphalt, plastic, wood, glass and charcoal-like material, with limestone, chalk, mudstone, sandstone, breeze block, metal, rope, fabric, rubber, glass, clinker-like and ash-like material also noted at times.

Made ground/reworked soils, which in general did not contain anthropogenic materials but likely had been disturbed, were recorded to depths of between 0.10m and 0.60m below ground level within exploratory holes WS07, WS12, WS17, WS18, WS22, WS25, WS27-WS29, WS32, TP36, TP43, TP102, TP105, TP123 and TP126.

No made ground/reworked soils were recorded underlying the topsoil within exploratory hole WS01, WS04-WS06, WS05, WS21, WS23, WS26, TP01, TP03, TP08, TP13, TP19, TP21, TP27-TP28, TP30-TP31, TP34-TP35, TP39-TP40 and TP44-TP47.

4.1.3 River Terrace Deposits

Underlying the surfacing/made ground/reworked soils, the investigation generally progressed into undisturbed, predominantly silty, at times slightly sandy clay deposits with varying quantities of flint gravel. These clay deposits were recorded to the full depth of the trial pits and hand augered boreholes WS27, WS28, WS30, WS32 and WS33, and to depths of between 1.00m and 2.00m within the dynamic sampler boreholes.

Beneath the clay deposits, the dynamic sampler boreholes encountered silty/clayey fine to medium sand deposits, locally containing flint gravel. The sand soils continued to the final investigation depth of 3.00m below ground level.

These deposits are considered to represent the River Terrace Deposits indicated to underlie the site on BGS geological maps.

In general, the River Terrace Deposits were recorded to be of at least stiff consistency or medium dense relative density. However localised firm clay and loose sands were recorded at various depths of between 1.00m and 2.90m below ground level within exploratory holes WS01, WS03, WS05, WS06, WS08-WS11, WS14, WS15, WS21, WS23 and WS31.

4.2 Stability

Within the boreholes, instability was recorded locally within the coarse-grained soils encountered.

With the exception of TP05, where instability was recorded locally within the made ground soils, each of the shallow trial pits was recorded to remain stable during the course of excavation.

4.3 Groundwater Conditions

Groundwater was recorded within the boreholes at depths of between 2.10m and 2.88m below ground level on completion of drilling/standpipe installation. It is noted that these depths are similar to the depths at which some of the dynamic sampler boreholes collapsed possibly also indicating the presence of groundwater.

Groundwater was not encountered within the shallow trial pits during the site investigation works.

Depths to groundwater in the standpipes ranging between 0.26m and 2.69m below ground level have been recorded during the monitoring visits.

5. GEOTECHNICAL ASSESSMENT

The geotechnical assessment has been prepared in connection with the development proposals shown on the drawings included in Appendix A.

In summary, the development proposals comprise the demolition of the existing on-site structures, specifically several derelict glass houses and nursery buildings, and the subsequent construction of a residential development encompassing new homes, landscaping, drainage, parking areas and other associated works. The development also includes an access road that will link the proposed site to Lidsey Road.

At the time of writing, no details were available concerning the specific loads likely to be applied to the foundations.

5.1 Foundations

5.1.1 Soil Shrinkage/Heave Potential

The fine-grained soils of the River Terrace Deposits have been classified as clays, and with modified plasticity indices in the range of 8% to 33%, the soils may be expected to exhibit a low to medium volume change potential.

It is recommended that the design of precautions against shrinkage and heave for any new foundation system (spread footings and ground beams etc.) should assume a medium volume change potential for the fine-grained River Terrace Deposits soils and take into account current guidance such as that given by the Building Research Establishment (BRE)³ or the National House Builders Council (NHBC)⁴.

The undisturbed sand soils of the River Terrace Deposits may be considered to be non-plastic and hence non-shrinkable.

Whilst this report has been prepared to provide advice to assist designers in undertaking detailed design, the report itself does not represent a detailed design statement. Detailed foundation design, including assessment of foundation type, minimum founding depths for spread foundations, and requirements for placement of void formers et cetera, should take into account the findings of this report and the presence of trees (previous, present and proposed). In connection with the latter, it is recommended that an arboricultural survey of the site that identifies the species and maturity of the existing or any recently felled trees in the areas of the proposed new buildings should be provided to engineers responsible for the foundation design. Information on proposed planting schemes that may affect foundation design should also be provided.

5.1.2 Spread Foundations

5.1.2.1 Foundation Depths for Spread Foundations

Foundations should be constructed to bear below soils that are likely to be affected by significant soil volume changes caused by seasonal changes in moisture content to avoid damage to foundations that could otherwise arise. In addition, all made ground and any soils disturbed by the construction or removal

³ www.bre.co.uk : BRE Digests 240, 241 and 242, Low rise buildings on shrinkable clay soils, parts 1, 2 and 3; and BRE Digest 298, The influence of trees on house foundations in clay soils and BRE Digest 412, Desiccation in clay soils.

⁴ <http://www.nhbc.co.uk/> : NHBC Standards, Chapter 4.2.

of any previously existing foundations or services should be regarded as being variable in nature and state of compaction and, as such, unsuitable as a founding medium for shallow footings. New footings should be constructed so as to bear below made ground/disturbed natural soils and soil subject to seasonal soil volume changes, whichever is the deeper, and onto undisturbed, competent, natural deposits.

Summary guidance on suitable minimum foundation depths to protect against the effects of seasonal soil volume changes is presented in the table below but designers undertaking detailed design of foundations should follow the detailed guidance such as that provided within Chapter 4.2 of the NHBC Standards.

Table 3. Indicative Minimum Foundation Depths

Tree Type	Water Demand of Tree	Tree Distance to Tree Height Ratio (D/H)									
		0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.80	1.00	1.25
		Minimum Foundation Depth Required in Medium Volume Change Potential Soils (m)									
Broad Leaf	High	†			2.50	2.35	2.20	2.00	1.70	1.35	0.90*
	Moderate	2.00	1.85	1.70	1.60	1.45	1.30	1.15	0.90*	0.90*	0.90*
	Low	1.50	1.40	1.30	1.15	1.05	0.90*	0.90*	0.90*	0.90*	0.90*
Coniferous	High	†			2.30	1.95	1.60	1.25	0.90*	0.90*	0.90*
	Moderate	2.00	1.70	1.40	1.10	0.90*	0.90*	0.90*	0.90*	0.90*	0.90*

* Minimum foundation depth required to protect against soil volume changes.

† Foundations deeper than 2.50m require specialist design to protect against soil volume changes.

Where specialist foundation design is required (foundation depths exceeding the maximum permitted by the guidance) then piled foundations are likely to be needed, though commercial considerations may also dictate that piled foundations may be more economic even in comparison with conventional spread foundations constructed to depths less than the maximum permitted by guidance. Further works including deep boreholes would be required if structural engineers or quantity surveyors decide that piled foundations should be adopted.

Details on the water demand and mature height of common trees is given within Table 3 of Chapter 4.2 of the NHBC standards which should be referred to when assessing minimum foundation depths required for the proposed development. A summary is provided in the table below.

Table 4. Indicative Summary of Water Demand and Mature Height of Common Trees

Tree Type	High Water Demand		Moderate Water Demand		Low Water Demand	
	Tree	Height (m)	Tree	Height (m)	Tree	Height (m)
Broad Leaf	Elm	18 – 24*	Acacia	18	Birch	14
	Oak	16 – 24*	Alder	18	Elder	10
	Poplar	15 – 28*	Apple	10	Fig	8
	Willow	16 – 24*	Ash	11 – 23*	Hazel	8
	Eucalyptus	18	Laurel	10	Holly	12
	Hawthorn	10	Beech	20	Honey Locust	14

Tree Type	High Water Demand		Moderate Water Demand		Low Water Demand	
			Blackthorn	8	Hornbeam	17
			Cherry	8 – 17*	Laburnum	12
			Chestnut	20 – 24*	Magnolia	9
			Lime	22	Mulberry	9
			Maple	8 – 18*	Tulip Tree	20
			Pear	12		
			Plane	26		
			Plum	10		
			Sycamore	22		
			Tree of Heaven	20		
			Walnut	18		
			Whitebeam	12		
Coniferous	Cypress	18 – 20*	Cedar	20		
			Douglas Fir	20		
			Larch	20		
			Monkey Puzzle	18		
			Pine	20		
			Spruce	18		
			Wellingtonia	30		
			Yew	12		

* Dependent on particular species.

5.1.2.2 Bearing Capacity for Spread Foundations

For design purposes, a net allowable bearing capacity of 100kN/m² may be assumed for spread (pad or strip) foundations up to 1.0m across bearing within the River Terrace Deposits of at least firm consistency or loose to medium dense relative density. The quoted bearing capacity is expected to limit settlement to less than 25mm.

Attention is drawn to the presence of interbedded fine-grained soils and coarse-grained soils beneath the site. As there is the potential for mixed soil conditions to be present beneath footings, designers should consider the need for foundations to be reinforced due to the potential for differential cracking to develop as a result of coarse-grained and fine-grained soils settling at different rates under loading.

5.2 Ground Floors

In view of the variable thickness of made ground and the presence of soils of medium volume change potential underlying the site, it is recommended that ground floors should be suspended.

Current guidance⁵ suggests that ground bearing floor slabs may, however, be considered where:

⁵ <http://www.nhbc.co.uk/> : NHBC Standards, Chapter 4.2.

- 1) All made ground is removed from beneath the building footprint;
- 2) The depth of foundations required to protect against seasonal soil volume changes close to trees is less than 1.5m; and
- 3) Further works demonstrate that close to the time of construction, no significant soil desiccation is present.

Where the above criteria cannot be met ground floors should be suspended.

If ground bearing floors are adopted it is recommended that the potential for differential movement, both between the floor slab and walls and across the floor slab itself, should be anticipated. Such floors should be fully debonded from walls. Formations should be adequately proof rolled and any excessively soft materials excavated and replaced with a suitable, well graded granular fill. The depth of any fill should be limited to a maximum of 600mm unless placed to an engineering specification designed to limit internal settlement of the fill materials to a tolerance to be advised by the designer.

5.3 Groundwater

Groundwater has been recorded between depths of 0.26m and 2.69m below ground level on completion of the exploratory holes and within the stand-pipes during the return monitoring visits.

Previous groundwater monitoring has been undertaken on site during the winter periods of 2018-2019, 2020-2021, 2023-2024 and 2024-2025 which have recorded groundwater at depths ranging between close to ground level and 2.00m below ground level.

Where excavations are proposed to extend below the groundwater table, particularly within coarse-grained soils, groundwater control will be required to maintain adequately dry working conditions and excavation stability. In such circumstances it is recommended that trial pumping from proposed formation depths should be undertaken in advance of detailed design to fully establish requirements for groundwater control at this site.

The construction of foundations and service trenches should consider the potential for a high groundwater table to prevail during wetter seasons, which may also have an impact on the efficient operation of construction plant.

5.4 Stability of Excavations

All made ground or coarse-grained natural soils exposed in excavations should be assumed to be unstable, even in the short term, particularly where excavation extend close to or below the groundwater table. Whilst fine-grained natural soils may remain stable for a short period of time if not subjected to surcharge loads (such as may be imposed by existing foundations, traffic or storage of materials), the stability of these deposits if left unsupported should be assumed to have the potential to deteriorate. Where stable excavations are required, excavations should either be suitably supported or, where space permits, side slopes could be battered back to a safe angle of repose.

All excavations requiring human entry must be shored or battered as necessary to conform to current best practice, as accepted by the Health and Safety Executive (HSE)⁶. Current legislation requires that where personnel access is required into any excavation a competent person must inspect excavation

⁶ Relevant guidance is given on the HSE website, www.hse.gov.uk

supports or battering of slopes at the start of the working shift and at other specified times. No work should take place until the excavation is safe. Excavations should also be inspected after any event that may have affected their stability, such as a significant weather event, changes in surcharge loadings imposed by temporary storage of materials or changes in site traffic plans or alteration of support systems. Inspections should be formally recorded and any faults that are found should be corrected immediately.

5.5 Aggressivity to Concrete

The aggressivity of the soils to concrete has been assessed in accordance with guidance published by the BRE⁷. The results of the chemical laboratory testing together with a summary of the characteristic values is included in Appendix E.

In consideration of the soils encountered beneath the site it is considered that 'natural ground conditions' may be assumed for the purpose of assessing the aggressivity of the chemical environment for concrete classification (ACEC class). Given the noted occurrence of groundwater, 'mobile groundwater' conditions should be assumed.

The following table summarises the characteristic values indicated from the chemical analysis of the soils present beneath the site.

Table 5. Assessment of the Chemical Analysis of the Soil

	Characteristic Value	Design Sulfate Class	ACEC Classification
pH	6.8	-	-
Water Soluble Sulphate (mg/l as SO ₄) *	200	DS-1	AC-1

Notes: * Characteristic value rounded to nearest 100.

In accordance with the guidance, a DS-1 Design Sulfate Class and an AC-1 ACEC classification should be assumed as a minimum for the design of concrete in contact with the ground.

5.6 Pavement Design

Current guidance⁸ suggests that pavement design should be based on the design subgrade surface modulus, determined as being equal to the lower of the short-term subgrade modulus and the long-term subgrade modulus. The subgrade surface modulus can be related to California bearing ratio using the formula, $E = 17.6(\text{CBR})^{0.64}$, where E is the subgrade modulus expressed in MPa.

Cone penetrometer tests were undertaken to establish the California bearing ratio (CBR) of the in situ soils at the time of the investigation. The range of values determined is presented on the test result records within Appendix B, and the table and graphs contained within Appendix E. A summary of the in situ test data is presented below. It is noted that in situ CBR values are, in part, dependent on the moisture content of the tested soils and are consequently subject to seasonal variation.

⁷ BRE Special Digest 1:2005 Concrete in Aggressive Ground.

⁸ Highways England Design Manual for Roads and Bridges CD 225 Rev1; Design for new pavement foundations.

Table 6. *In Situ CBR Values (At Time of Ground Investigation Works)*

	CBR (%)	Modulus of Subgrade Reaction E (MPa)
Minimum	1.4	22.0
Average	23.7	118.9
Maximum	496.3	935.0
10%ile	5.4	51.8
20%ile	7.3	62.6
50%ile (Median)	15.1	100.1

Laboratory CBR values were determined on disturbed, remoulded and soaked soil samples. These results are considered indicative of worst-case long-term values that could occur where the soils are reworked or heavily trafficked during periods of sustained precipitation. The results of the laboratory CBR testing is summarised in the following table.

Table 7. *Laboratory CBR Test Results*

Exploratory Hole	Range of CBR Values (%)	Average CBR Value (%)	*Modulus of Subgrade Reaction E (MPa)
TP14	1.7-3.8	2.8	33.6
TP16	1.5-1.6	1.6	23.3
TP18	11.4-12	11.7	84.9
TP20	3.2-9.6	6.4	57.7
TP22	1.8-2.0	1.9	26.5
TP42	5.1-5.3	5.2	50.6
TP44	4.2-5.9	5.1	49.6
TP46	8.0-8.6	8.3	68.2
Minimum		1.6	23.3
Average		5.4	51.5
Maximum		11.7	84.9

* Based on average of the laboratory CBR values.

Equilibrium CBR values can be derived from knowledge of soil classification data (plasticity index for soils exhibiting cohesion (clay type) and particle size distribution for granular soils) and pavement thickness. Historical guidance⁹ suggests the following design equilibrium CBR values would be applicable to the River Terrace Deposit soils and derived made ground for the construction of pavement. The subgrade moduli calculated from these design equilibrium CBR values can be reasonably considered to be representative of long-term subgrade modulus using the formula given above.

⁹ Highways England Design Manual for Roads and Bridges Interim Advice Note 73/09 Rev1; now withdrawn.

Table 8. Long-term CBR Values

Stratum		Design Equilibrium CBR Value (%)		†Modulus of Subgrade Reaction E (MPa)
		Thin Road* Pavement	Thick Road* Pavement	
Fine grained River Terrace Deposits and Derived Made Ground	Minimum	2.7	3.3	32.8
	Average	3.6	4.7	39.6
	Maximum	4.0	6.0	42.7

* Thin pavement being 300mm sub-base, thick pavement being 1200mm sub-base. †Modulus based on average of all calculated moduli based on CBR values for thin sub-base.

Designers will need to select an appropriate design equilibrium CBR value / modulus of subgrade reaction taking account of proposed pavement thickness, expected winter groundwater conditions, the standard to which pavement is to be designed and any local authority or other regulatory/warrantor requirements together with construction conditions likely to prevail at the time of construction.

The subgrade should be assumed to be susceptible to frost heave.

If new roads are to be adopted the local highway authority should be consulted with reference to the acceptability of the proposed CBR figures prior to designs being finalised and construction undertaken.

6. QUANTITATIVE CONTAMINATION ASSESSMENT

6.1 Introduction

The risk assessment for the site considers the sources of contamination identified, the receptors that may be present in view of the development proposals and the contaminant pathways by which these may be linked.

A complete pollutant linkage is only deemed to exist where all three are present and a site is considered suitable for use where no complete pollutant linkages are identified.

Where a complete pollutant linkage is considered to be present, an assessment of the level of risk associated with the pollutant linkage has been carried out in line with published guidance¹⁰.

The level of risk is determined using the risk matrix presented in the following table. Classifications of probability, consequence and risk are presented in Appendix F.

Table 9. Risk Assessment Matrix

		Probability			
		Very Low	Low	Moderate	High
Consequence	Very Minor	Negligible	Very Low	Low	Low/Moderate
	Minor	Very Low	Low	Low/Moderate	Moderate
	Moderate	Low	Low/Moderate	Moderate	High
	Severe	Low/Moderate	Moderate	High	Very High

6.2 Preliminary Conceptual Model

A copy of the preliminary conceptual model is presented in Appendix G.

6.3 Assessment Strategy

The design of the first phase of the ground investigation considered the potential contaminant sources identified by the preliminary ground contamination risk assessment. The investigation strategy employed to assess the potential sources is detailed in the following table.

Table 10. Investigation Works Carried Out

Contaminant source	Exploratory Positions
Made ground soils associated with the former Nursery and demolished buildings	Exploratory holes across the site and testing of shallow soils for concentrations of heavy metals and polycyclic aromatic hydrocarbon (PAH) compounds; and screening for asbestos.

¹⁰ Contaminated Land Risk Assessment: A guide to good practice, CIRIA C552, 2001.

Contaminant source	Exploratory Positions
Petroleum hydrocarbon contamination arising from various above ground tanks and heating systems within the former Nursery	Testing shallow and deeper samples of soils from across the site for concentrations of petroleum hydrocarbons.
Landfill site to the west	Gas monitoring standpipes installed in WS05, WS07, WS09, WS12, WS16, WS19, WS22, WS25, WS29 and WS31 and monitored on 7 occasions. Groundwater samples were taken from the standpipes and tested for concentrations of heavy metals, PAH compounds, petroleum hydrocarbons and volatile organic compounds (VOC).

6.4 Method of Assessment

For the assessment of risk to end users, comparison of the results of the laboratory testing has been made against published soil screening values (SSV) comprising the 'Suitable For Use Levels' (S4UL)¹¹ or, in lieu of an S4UL being developed for lead, the Category 4 Screening Level (C4SL)¹².

In view of the development proposal, the SSV utilised in this assessment are those calculated for the generic "Residential with homegrown produce" land use.

For the assessment of risk to controlled waters a qualitative assessment has been undertaken based upon the concentrations of contaminants recorded within the soil and groundwater samples and the information obtained about the sensitivity of the underlying strata or nearby surface water receptors. The results of the groundwater sampling have been compared directly with relevant drinking water standards (DWS)¹³. Where no DWS are provided, other relevant standards have been used.

6.5 Soils – Heavy Metals, PAH Compounds & Asbestos

The two shallow soil strata encountered (the made ground/reworked soils and topsoil) have been assessed as separate datasets, as discussed in the following sections.

6.5.1 Made Ground

During the first phase of investigation, a total of 40 samples of made ground were tested for concentrations of heavy metals and PAH compounds, and screened for asbestos.

6.5.1.1 Heavy Metals & Polycyclic Aromatic Hydrocarbon (PAH) Compounds

The following table summarises the SSV for heavy metals and PAH compounds, along with the maximum and minimum concentrations recorded for made ground soils.

¹¹ Nathanail, C.P, et al., The LQM/CIEH S4ULs for Human Health Risk Assessment, 2015, Land Quality Press, Nottingham. Copyright Land Quality Management Limited reproduced with permission; Publication Number S4UL3071.

¹² SP1010: Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination. Final Project Report, published by DEFRA, 2014.

¹³ The Water Supply (Water Quality) Regulations 2016.

Table 11. Summary of Test Results for Made Ground – Heavy Metals and PAH Compounds

Contaminant	SSV (mg/kg)	No. of Samples	Minimum Concentration (mg/kg)	Maximum concentration (mg/kg)	Limit of Detection (mg/kg)	No of exceedances
Arsenic	37	40	<LOD	12	< 2	0
Water Soluble Boron	290	40	<LOD	1.4	< 1	0
Cadmium	11	40	<LOD	1	< 0.2	0
Chromium	910	40	<LOD	31	< 2	0
Hexavalent Chromium	6	40	<LOD	<LOD	< 2	0
Copper	2400	40	<LOD	48	< 4	0
Lead	200	40	<LOD	455	< 3	3
Mercury	40	40	<LOD	<LOD	< 1	0
Nickel	180	40	<LOD	32	< 3	0
Selenium	250	40	<LOD	<LOD	< 2	0
Zinc	3700	40	<LOD	787	< 3	0
Benzo(a)pyrene ¹	0.8	40	<LOD	15.7	< 0.1	5

Table Notes: ¹ S4UL for benzo(a)pyrene as the surrogate marker for all PAH compounds.

Seven samples of made ground recorded elevated concentrations of lead and/or PAH compounds.

The following table summarise the exploratory holes where the made ground recorded concentrations of lead and/or benzo(a)pyrene in excess of the SSV, with exceedances highlighted in bold.

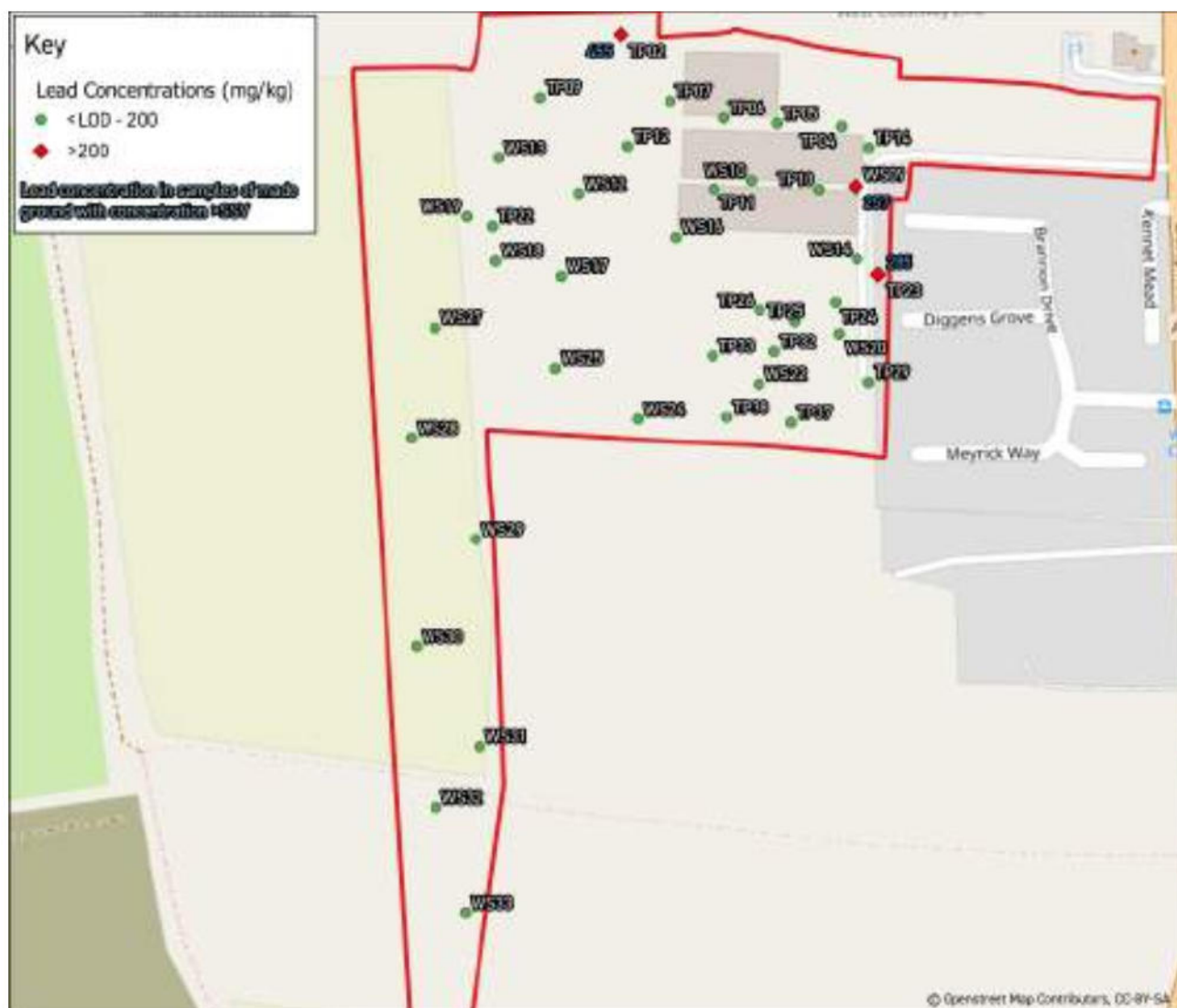
Table 12. Summary of Concentrations of Lead and Benzo(a)Pyrene in Samples Recording Exceedances of SSV

Contaminant	SSV	Samples Concentration in Made Ground (mg/kg)						
		WS09	WS14	WS20	TP02	TP23	TP25	TP26
Lead	200	257	29	45	455	285	59	51
Benzo(a)pyrene ¹	0.8	< LOD	15.7	13.9	< 0.1	1.67	0.92	15.6

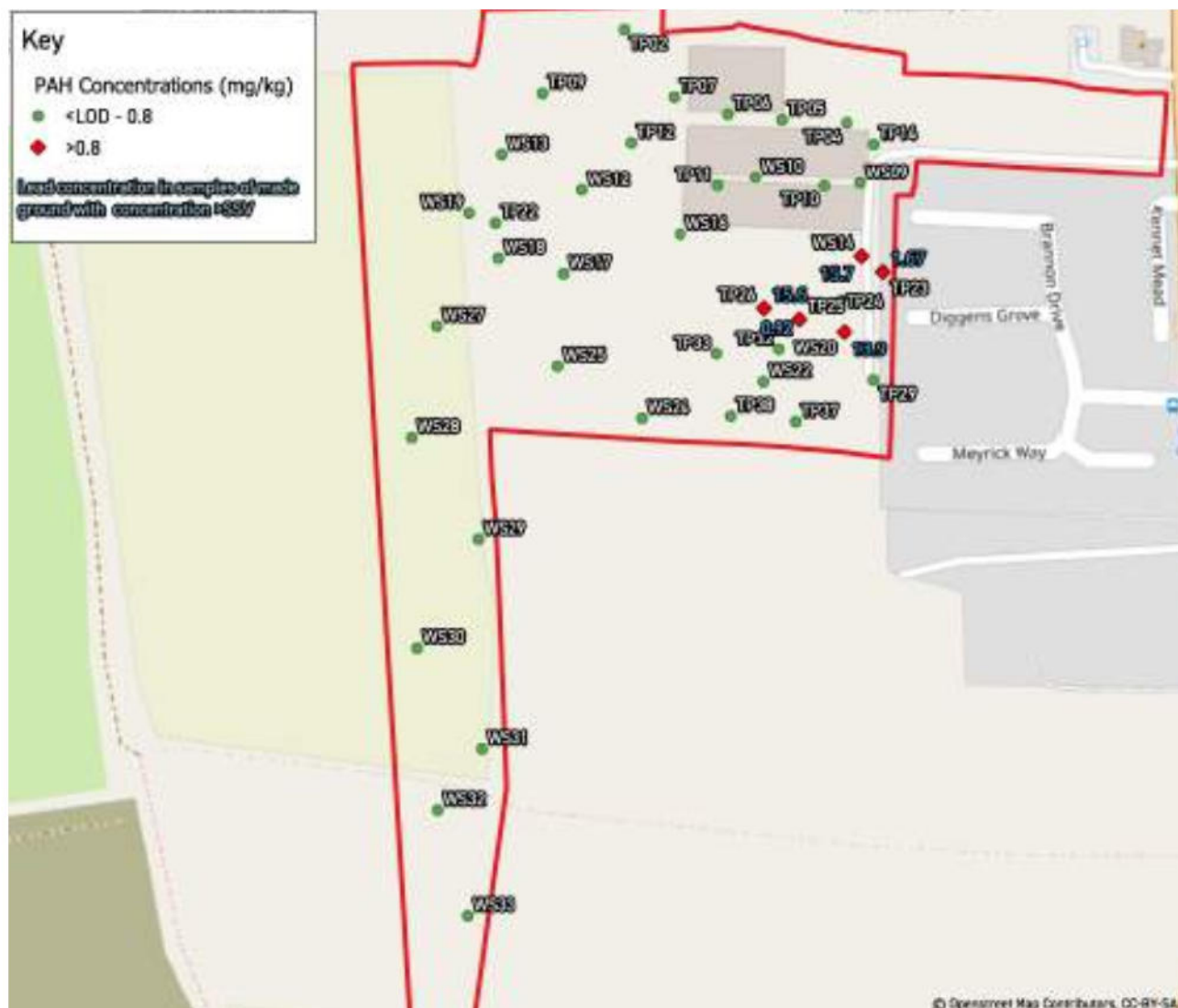
Table Notes: ¹ S4UL for benzo(a)pyrene as the surrogate marker for all PAH compounds.

The distribution of these exceedances is illustrated on the site plans presented as Figures 3 and 4, extracts of which are shown below:

Extract of Site Plan (Figure 3) Showing Distribution of Elevated Lead Concentrations in Samples of Made Ground



Extract of Site Plan (Figure 4) Showing Distribution of Elevated Benzo(a)pyrene Concentrations in Samples of Made Ground



With the exception of TP02 (lead of 455mg/kg), the samples containing elevated concentrations of lead/PAH compounds were located within the eastern side of the former nursery. The analysis indicates that the made ground in the eastern part of the former nursery poses an unacceptable risk to future end users of the site and that remedial works will be required.

To determine whether the elevated lead recorded in TP02 represents an isolated “hotspot” of contamination, or is indicative of a larger area of contamination in this part of the site, the second phase of investigation was undertaken to provide a greater density of sampling. A further 20 shallow trial pits positioned at ~ 15m centres were excavated, with samples of the shallow soils encountered tested for concentrations of lead.

Only one sample, taken from TP110 located immediately to the south of the TP02, recorded a concentration of lead above the SSV of 200mg/kg.

The distribution of lead recorded by the second phase of work highlighting the northern part of the site is illustrated on Figure 5. An extract of Figure 5 is shown below.

Extract of Site Plan (Figure 5) Showing Distribution of Lead Concentrations in Samples of Made Ground in the Northern Part of the Site



The more detailed sampling shows that there is a localised pocket of made ground in the vicinity of TP02 and TP110 which contains concentrations of lead that are considered to pose an unacceptable risk to end users, and where remedial works will be necessary.

Figure 6 shows the locations of all exploratory hole positions overlain on the proposed development layout, to help identify the areas where remediation is required.

6.5.1.2 Asbestos

No suspected asbestos materials were observed within any of the exploratory holes undertaken at the site. None of the samples of made ground screened recorded the presence of any asbestos materials.

There is not considered to be an unacceptable risk to end users from asbestos materials within soils. Due to the heterogeneity of made ground, there will always remain the potential for localised asbestos materials to be encountered during construction works, though the likelihood of this is considered to be very low. All workers at the site should be made aware of what actions to take in the event that suspected asbestos materials are identified at any time during the development works.

6.5.2 Topsoil

During the first phase of investigation, a total of 25 samples of topsoil were tested for concentrations of heavy metals and PAH compounds, and screened for asbestos.

6.5.2.1 Heavy Metals & Polycyclic Aromatic Hydrocarbon (PAH) Compounds

The following table summarises the SSV for heavy metals and PAH compounds, along with the maximum and minimum concentrations recorded within the samples of topsoil tested.

Table 13. Summary of Test Results for topsoil – Heavy Metals and PAH Compounds

Contaminant	SSV (mg/kg)	No. of Samples	Minimum Concentration (mg/kg)	Maximum concentration (mg/kg)	Limit of Detection (mg/kg)	No of exceedances
Arsenic	37	25	<LOD	9	< 2	0
Water Soluble Boron	290	25	<LOD	<LOD	< 1	0
Cadmium	11	25	<LOD	0.4	< 0.2	0
Chromium	910	25	<LOD	22	< 2	0
Hexavalent Chromium	6	25	<LOD	<LOD	< 2	0
Copper	2400	25	<LOD	41	< 4	0
Lead	200	25	<LOD	76	< 3	0
Mercury	40	25	<LOD	<LOD	< 1	0
Nickel	180	25	<LOD	14	< 3	0
Selenium	250	25	<LOD	<LOD	< 2	0
Zinc	3700	25	7	144	< 3	0
Benzo(a)pyrene ¹	0.8	25	<LOD	0.32	< 0.1	0

Table Notes: ¹ S4UL for benzo(a)pyrene as the surrogate marker for all PAH compounds.

None of the samples of topsoil recorded concentrations of heavy metals or PAH compounds above their respective SSV.

6.5.2.2 Asbestos

No suspected asbestos materials were noted within any of the exploratory holes undertaken at the site. None of the samples of topsoil screened recorded the presence of any asbestos materials.

6.6 Soils – Petroleum Hydrocarbons

During the first phase of work 26 samples of topsoil, 41 samples of made ground and 31 samples of the undisturbed River Terrace Deposits were tested for concentrations of petroleum hydrocarbons.

The following table lists the SSV for petroleum hydrocarbon equivalent carbon weight fractions and BTEX compounds calculated for 1% organic content.

Table 14. SSV for petroleum hydrocarbon equivalent carbon weight fractions

Petroleum Hydrocarbon Fraction	SSV (mg/kg)	Petroleum Hydrocarbon Fraction	SSV (mg/kg)
Aliphatic EC 5-6	42	Aromatic EC 5-7	70
Aliphatic EC >6-8	100	Aromatic EC >7-8	130
Aliphatic EC >8-10	27	Aromatic EC >8-10	34
Aliphatic EC >10-12	130	Aromatic EC >10-12	74
Aliphatic EC >12-16	1100	Aromatic EC >12-16	140
Aliphatic EC >16-35	65000	Aromatic EC >16-21	260
Aliphatic EC >35-44	65000	Aromatic EC >21-35	1100
		Aromatic EC >35-44	1100

The concentrations of petroleum hydrocarbons recorded across the site were generally low. The sample of made ground from WS20 recorded a concentration of 263mg/kg within the non-volatile >C16-C21 fraction, which is marginally above the more conservative SSV of the aromatic >C16-C21 fraction of 260mg/kg. However, it is very unlikely that all detectable petroleum hydrocarbons would be present within the aromatic fraction alone, and this is not considered to pose an unacceptable risk to end users.

The majority of the samples of the River Terrace Deposits recorded no detectable concentrations of petroleum hydrocarbons. Trial pits TP28 and TP29, both located near to WS20 and the various outbuildings/workshops present along the eastern side of the former nursery area, recorded detectable concentrations of heavier range petroleum hydrocarbons. The undisturbed soils within TP28 were noted to be "grey brown" in colour, rather than the brown or orange brown soils found elsewhere.

To determine whether a localised area of greater contamination may be present in the area of these trial pits, the second phase of investigation included a further six up to 1m deep trial pits excavated around the area of staining. A further 12 samples from a variety of depths were screened for petroleum hydrocarbons. Only two of the additional samples recorded any detectable concentrations of petroleum hydrocarbons. These samples were from depths of less than 0.2m and recorded only very low concentrations.

There appears to be no evidence of significant or widespread contamination from petroleum hydrocarbons that would be considered to pose an unacceptable risk to either end users or controlled waters beneath the site.

Comparison of the test results for petroleum hydrocarbons has been undertaken with the threshold value for PE water supply pipework¹⁴. The concentrations in the eastern part of the site exceed the threshold value for the use of PE supply pipe, and protective pipework (e.g. barrier pipe) may be required by the local water supply company.

6.7 Groundwater Analysis

Samples of the groundwater from the standpipes were obtained on 26th January 2026. The samples were tested for concentrations of heavy metals, PAH compounds, petroleum hydrocarbons and VOC.

6.7.1 Heavy Metals

The following table summarises the DWS along with the maximum and minimum concentrations of the heavy metals tested for.

Table 15. Summary of Groundwater Test Results for Heavy Metals

Contaminant	DWS (µg/l)	No. of Samples	Minimum Concentration (µg/l)	Maximum concentration (µg/l)	Limit of Detection (µg/l)	No of exceedances
Arsenic	10	10	0.19	3.32	<0.16	0
Water Soluble Boron	1000	10	56.64	114.6	<12	0
Cadmium	5	10	<LOD	0.15	<0.03	0
Chromium	50	10	<LOD	14.93	<0.25	0
Hexavalent Chromium ¹	-	10	<LOD	<LOD	<7	0
Copper	2000	10	1.04	6.11	<0.4	0
Lead	10	10	<LOD	0.26	<0.09	0
Mercury	1	10	<LOD	<LOD	<0.01	0
Nickel	20	10	1.14	19.16	<0.5	0
Selenium	10	10	<LOD	0.34	<0.25	0
Zinc ²	3000	10	26.46	183	<1.3	0

Table Notes: ¹ No drinking water standard. The DWS for chromium includes hexavalent chromium

² No Drinking Water Standard is published for zinc, concentration is from "Guidelines for Drinking-water Quality", 4th Edition, World Health Organisation, 2011

None of the groundwater samples tested have recorded concentrations of heavy metals in excess of their DWS (where published) or other relevant assessment criteria.

6.7.2 PAH compounds

The following table summarises the maximum and minimum concentrations of the PAH compounds tested for.

¹⁴ Set out within Table 3.1 of the Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites, UK Water Industry Research, 2010.

Table 16. Summary of Groundwater Test Results for PAH Compounds

Contaminant	No. of Samples	Minimum Concentration (µg/l)	Maximum concentration (µg/l)	Limit of Detection (µg/l)
Naphthalene	10	<LOD	<LOD	<0.05
Acenaphthylene	10	<LOD	<LOD	<0.01
Acenaphthene	10	<LOD	<LOD	<0.01
Fluorene	10	<LOD	<LOD	<0.01
Phenanthrene	10	<LOD	0.01	<0.01
Anthracene	10	<LOD	0.01	<0.01
Fluoranthene	10	<LOD	0.01	<0.01
Pyrene	10	<LOD	0.02	<0.01
Benz(a)anthracene	10	<LOD	<LOD	<0.01
Chrysene	10	<LOD	0.01	<0.01
Benzo(b)fluoranthene	10	<LOD	0.02	<0.01
Benzo(k)fluoranthene	10	<LOD	<LOD	<0.01
Benzo(a)pyrene	10	<LOD	0.01	<0.01
Indeno(123-cd)pyrene	10	<LOD	0.02	<0.01
Dibenz(ah)anthracene	10	<LOD	<LOD	<0.01
Benzo(ghi)perylene	10	<LOD	<LOD	<0.01

There are two Drinking Water Standards for PAH compounds, a standard for benzo(a)pyrene (0.01µg/l) and a standard for the sum of four PAH compounds: benzo(b)fluoranthene; benzo(k)fluoranthene; benzo(ghi)perylene; and indeno(1,2,3-cd)pyrene of 0.10µg/l.

With the exception of WS31 none of the samples recorded any detectable concentrations of the four specified PAH compounds or benzo(a)pyrene.

The sample from WS31 recorded a concentration of benzo(a)pyrene at the limit of detection (0.01µg/l), which is also the DWS. The sum of the detectable concentrations of the four PAH compounds listed above was 0.04µg/l, which is also the DWS.

6.7.3 Petroleum Hydrocarbons and BTEX compounds

No Drinking Water Standards are provided for petroleum hydrocarbons, and the only standards are produced by the WHO in "Petroleum Products in Drinking-water"¹⁵.

The document notes that:

"A number of the more soluble aromatic components, particularly the alkyl benzenes, have extremely low taste and odour thresholds in water and can render drinking-water unacceptable to consumers at

¹⁵ WHO/SDEE/WSH/05.08/123, 2008

relatively low levels of contamination...Other components of petroleum products will also be detectable by odour and/or taste in drinking-water at concentrations of a few micrograms per litre."

The following table summarises the WHO guide values for petroleum hydrocarbons in fractions in drinking water.

Table 17. WHO Guidance Values for Petroleum Hydrocarbon Fractions in Drinking Water

Petroleum Hydrocarbon Fraction	Guidance Value (µg/l)	Petroleum Hydrocarbon Fraction	Guidance Value (µg/l)
Aliphatic EC 5-6	15,000	Aromatic EC 5-6 (Benzene)	10
Aliphatic EC >6-8	15,000	Aromatic EC >6-8 (Toluene)	700
Aliphatic EC >8-10	300	Aromatic EC >8-10	300 (ethylbenzene) 500 (xylenes)
Aliphatic EC >10-12	300	Aromatic EC >10-12	90
Aliphatic EC >12-16	300	Aromatic EC >12-16	90
Aliphatic EC >16-35	-	Aromatic EC >16-21	90
Aliphatic EC >35-44	-	Aromatic EC >21-35	90

None of the groundwater samples tested recorded any concentrations of petroleum hydrocarbons or BTEX compounds above the limit of detection of the test. These values are all lower than the guidance values discussed above.

6.7.4 Volatile Organic Compounds (VOC)

Each of the samples of groundwater was tested for a range of VOC. None of the groundwater samples tested recorded any detectable concentrations of any VOC.

6.7.5 Conclusions

The very low concentrations of contaminants recorded within the groundwater samples show that there is no evidence of any significant migration of leachate from the nearby landfill. The concentrations of contaminants recorded do not pose an unacceptable risk to end users of the site or to controlled waters and no further assessment in this regard is considered to be necessary.

6.8 Ground Gas Monitoring Results

Assessment of the risk from ground gases has been undertaken following the guidance presented within BS8576¹⁶ and BS8485¹⁷. Reference has also been made to good practice guidance provided within NF94¹⁸.

6.8.1 Potential Source of Ground Gases

The potential source of ground gas identified by the preliminary assessment was the landfill site to the west of the site.

6.8.2 Location and Construction of Standpipes

The positioning of the standpipes takes into account the guidance presented in section 8.4 of BS8576. Standpipes were located within boreholes WS05, WS07, WS09, WS12, WS16, WS19, WS22, WS25, WS29 and WS31 which includes some locations spread across the site, but others specifically positioned along the western boundary of the site, closest to the landfill.

The standpipes were constructed with the response zone (slotted section) sealed within the River Terrace Deposits, below any shallow made ground (in accordance with Section 9.23 of BS8576).

6.8.3 Monitoring Period

Monitoring of the gas concentrations within the 10 standpipes was carried out on 7 occasions. Initially 4 monitoring visits were undertaken at approximately weekly intervals between 26th August and 15th September 2025, with the remaining 3 monitoring visits undertaken between 27th October 2025 and 26th January 2026.

The monitoring period undertaken takes into account the guidance presented in Figure 6 of BS8576, using initial high frequency monitoring, followed by lower frequency monitoring based on the results from the initial phase of monitoring.

6.8.4 Summary of Monitoring Results

Atmospheric pressures varied between 998 and 1015 during the monitoring period. Monitoring was carried out during periods of both rising and falling atmospheric pressure.

The peak concentration of carbon dioxide recorded during the monitoring period was 5.4% by volume. No detectable concentrations of methane were recorded. The peak gas flow recorded during the monitoring period was 0.2l/hr.

It is noted that detectable gas flow rates were only found in two of the standpipes during the monitoring visit on 26th January 2026. Flow rates of 0.2l/hr and 0.1l/hr were recorded in boreholes WS05 and WS09, respectively. During that visit, the maximum concentrations of carbon dioxide recorded in both the boreholes was just 0.1% by volume. Given that this visit was carried out following periods of prolonged

¹⁶ BS8576:2013 Guidance on investigation for ground gas – Permanent gases and Volatile Organic Compounds (VOCs), BSI, April 2013,

¹⁷ BS8485:2019+A1:2019 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings, BSI, January 2019

¹⁸ NF94 Hazardous ground gas – an essential guidance for housebuilders, NHBC Foundation, April 2023

rainfall, the marginally elevated flow readings may have been as a result of groundwater levels within the standpipes.

6.8.5 Assessment of Monitoring Results

Section 6.3 of BS8485 recommends that the gas monitoring data should be used to calculate the "borehole hazardous gas flow rate" (Q_{hg}) for each monitoring location and event for both carbon dioxide and methane. The Q_{hg} is calculated by multiplying the gas flow rate (l/hr) by gas concentration (percentage/100).

Where no detectable gas flow rates or gas concentrations are recorded, gas concentrations or the Q_{hg} are calculated assuming values equal to the limit of detection (LOD) of the instrument are present (0.1l/hr or 0.1%).

The following table summarises the calculated Q_{hg} for carbon dioxide and methane, along with the maximum gas flow rates and gas concentrations recorded from the standpipes for each monitoring visit.

Table 18. Summary of Monitoring Results and Calculated Q_{hg}

Standpipe	Date	Maximum Flow Rate (L/hr)	Maximum Methane Concentration (%)	Maximum Carbon Dioxide Concentration (%)	Q_{hg} Methane (L/hr)	Q_{hg} Carbon Dioxide (L/hr)
WS05	26/08/2025	0.1	0.1	2.5	0.0001	0.0025
WS07	26/08/2025	0.1	0.1	0.8	0.0001	0.0008
WS09	26/08/2025	0.1	0.1	0.1	0.0001	0.0001
WS12	26/08/2025	0.1	0.1	4.3	0.0001	0.0043
WS16	26/08/2025	0.1	0.1	2	0.0001	0.0020
WS19	26/08/2025	0.1	0.1	3.5	0.0001	0.0035
WS22	26/08/2025	0.1	0.1	1.3	0.0001	0.0013
WS25	26/08/2025	0.1	0.1	0.6	0.0001	0.0006
WS29	26/08/2025	0.1	0.1	2.9	0.0001	0.0029
WS31	26/08/2025	0.1	0.1	0.3	0.0001	0.0003
WS05	01/09/2025	0.1	0.1	0.7	0.0001	0.0007
WS07	01/09/2025	0.1	0.1	0.3	0.0001	0.0003
WS09	01/09/2025	0.1	0.1	0.3	0.0001	0.0003
WS12	01/09/2025	0.1	0.1	3.6	0.0001	0.0036
WS16	01/09/2025	0.1	0.1	4	0.0001	0.0040
WS19	01/09/2025	0.1	0.1	3.6	0.0001	0.0036
WS22	01/09/2025	0.1	0.1	0.1	0.0001	0.0001
WS25	01/09/2025	0.1	0.1	1.6	0.0001	0.0016
WS29	01/09/2025	0.1	0.1	3	0.0001	0.0030
WS31	01/09/2025	0.1	0.1	0.2	0.0001	0.0002

Standpipe	Date	Maximum Flow Rate (L/hr)	Maximum Methane Concentration (%)	Maximum Carbon Dioxide Concentration (%)	Q _{hg} Methane (L/hr)	Q _{hg} Carbon Dioxide (L/hr)
WS05	09/09/2025	0.1	0.1	2.7	0.0001	0.0027
WS07	09/09/2025	0.1	0.1	0.4	0.0001	0.0004
WS09	09/09/2025	0.1	0.1	0.4	0.0001	0.0004
WS12	09/09/2025	0.1	0.1	1.7	0.0001	0.0017
WS16	09/09/2025	0.1	0.1	4.4	0.0001	0.0044
WS19	09/09/2025	0.1	0.1	3.6	0.0001	0.0036
WS22	09/09/2025	0.1	0.1	1.4	0.0001	0.0014
WS25	09/09/2025	0.1	0.1	1.9	0.0001	0.0019
WS29	09/09/2025	0.1	0.1	2.6	0.0001	0.0026
WS31	09/09/2025	0.1	0.1	0.1	0.0001	0.0001
WS05	15/09/2025	0.1	0.1	5.4	0.0001	0.0054
WS07	15/09/2025	0.1	0.1	0.2	0.0001	0.0002
WS09	15/09/2025	0.1	0.1	0.2	0.0001	0.0002
WS12	15/09/2025	0.1	0.1	0.4	0.0001	0.0004
WS16	15/09/2025	0.1	0.1	0.1	0.0001	0.0001
WS19	15/09/2025	0.1	0.1	3.6	0.0001	0.0036
WS22	15/09/2025	0.1	0.1	0.9	0.0001	0.0009
WS25	15/09/2025	0.1	0.1	1.5	0.0001	0.0015
WS29	15/09/2025	0.1	0.1	3.3	0.0001	0.0033
WS31	15/09/2025	0.1	0.1	0.4	0.0001	0.0004
WS05	27/10/2025	0.1	0.1	4.5	0.0001	0.0045
WS07	27/10/2025	0.1	0.1	0.2	0.0001	0.0002
WS09	27/10/2025	0.1	0.1	0.1	0.0001	0.0001
WS12	27/10/2025	0.1	0.1	0.1	0.0001	0.0001
WS16	27/10/2025	0.1	0.1	0.5	0.0001	0.0005
WS19	27/10/2025	0.1	0.1	3	0.0001	0.0030
WS22	27/10/2025	0.1	0.1	1.3	0.0001	0.0013
WS25	27/10/2025	0.1	0.1	1.1	0.0001	0.0011
WS29	27/10/2025	0.1	0.1	4.3	0.0001	0.0043
WS31	27/10/2025	0.1	0.1	0.1	0.0001	0.0001
WS05	01/12/2025	0.1	0.1	3.1	0.0001	0.0031
WS07	01/12/2025	0.1	0.1	0.2	0.0001	0.0002
WS09	01/12/2025	0.1	0.1	0.12	0.0001	0.0001
WS12	01/12/2025	0.1	0.1	2.1	0.0001	0.0021

Standpipe	Date	Maximum Flow Rate (L/hr)	Maximum Methane Concentration (%)	Maximum Carbon Dioxide Concentration (%)	Q_{hg} Methane (L/hr)	Q_{hg} Carbon Dioxide (L/hr)
WS16	01/12/2025	0.1	0.1	3.1	0.0001	0.0031
WS19	01/12/2025	0.1	0.1	3.5	0.0001	0.0035
WS22	01/12/2025	0.1	0.1	0.7	0.0001	0.0007
WS25	01/12/2025	0.1	0.1	0.4	0.0001	0.0004
WS29	01/12/2025	0.1	0.1	1	0.0001	0.0010
WS31	01/12/2025	0.1	0.1	0.3	0.0001	0.0003
WS05	26/01/2026	0.2	0.1	0.1	0.0002	0.0002
WS07	26/01/2026	0.1	0.1	0.1	0.0001	0.0001
WS09	26/01/2026	0.1	0.1	0.1	0.0001	0.0001
WS12	26/01/2026	0.1	0.1	0.1	0.0001	0.0001
WS16	26/01/2026	0.1	0.1	2.2	0.0001	0.0022
WS19	26/01/2026	0.1	0.1	0.2	0.0001	0.0002
WS22	26/01/2026	0.1	0.1	0.2	0.0001	0.0002
WS25	26/01/2026	0.1	0.1	0.2	0.0001	0.0002
WS29	26/01/2026	0.1	0.1	0.2	0.0001	0.0002
WS31	26/01/2026	0.1	0.1	0.2	0.0001	0.0002

The guidance requires that a gas screening value (GSV) is derived for the site, taking into account the Q_{hg} and, where necessary, undertaking a worst case check. The plausible worst case condition is obtained by multiplying the maximum recorded flow rate in a standpipe with the maximum gas concentration within the same strata. Appendix F of BS8485 provides a worked example. In this case the worst case parameters are presented in the table below.

Table 19. Calculation of worst case Q_{hg}

Worst Case Flow Rate (L/hr)	Worst Case Methane Concentration (%)	Worst Case Carbon Dioxide Concentration (%)	Worst Case Q_{hg} Methane (L/hr)	Worst Case Q_{hg} Carbon Dioxide (L/hr)
0.2	0.1	5.4	0.0002	0.0108

6.8.6 Assessment of Risk from Ground Gases

The calculated GSV for the site is then compared to the characteristic gas situations (CS) provided in Table 2 of BS8485, which is partially reproduced below:

Table 20. Reproduction of elements of Table 2 of BS8485 – CS by Site characteristic GSV

CS	Hazard potential	Site characteristics GSV (L/h)	Additional factors
CS1	Very Low	<0.07	Typically <1% methane concentration and <5% carbon dioxide concentration (otherwise consider an increase to CS2)
CS2	Low	0.07 to 0.7	Typical measured flow rate <70 L/h (otherwise consider an increase to CS3)
CS3	Moderate	0.7 to 3.5	-

The worst case GSV for the site of 0.0108L/hr would put the site in CS1.

6.8.7 Assessment of Gas Protection Measures Required

Before assessing the gas protection measures that may be required, BS8485 requires that buildings be categorised in accordance with Table 3, in relation to ownership structure of the building and room size, together with control of the future structural changes to the building.

The site has been assessed as (conservatively) falling into Type A building types in accordance with Table 3.

Table 4 of BS8485 then identifies the gas protection score required by different characteristic situations for different "building types". A partial reproduction of elements of this table is shown below:

Table 21. Reproduction of elements of Table 4 of BS8485 – Gas Protection Score by CS and type of building

Characteristic Situation	Minimum Gas Protection Score (Points)			
	High Risk		Medium Risk	Low Risk
	Type A	Type B	Type C	Type D
1	0	0	0	0
2	3.5	3.5	2.5	1.5

For CS1, the gas protection score is zero, and therefore no specific gas protection measures are necessary.

6.8.8 Sufficiency of Ground Gas Monitoring

Appendix F of BS8576 sets out a method of assessment of the sufficiency of monitoring data, detailed in Table F1. This assessment has been reproduced and has been completed in the table below.

Table 22. Assessment of sufficiency of Monitoring Data as set out in Table F1 of BS8576

Action	Result
From current results (concentrations, flow rates and pressure), estimate likely risk associated with ground gases (note steady state flow results are to be used, not peak values that only last a few seconds on opening the gas tap)	Current calculated GSV: 0.0108 Site is categorised as Characteristic Situation 1 very low risk.
What increase in gas concentrations is required to increase the estimate risk and the form of gas protection to be provided?	If it is assumed that the worst gas flow rate remains constant at 0.2l/hr, what concentration of carbon dioxide would need to be present for the GSV to exceed the threshold of Characteristic Situation 1 (0.07)? A concentration of carbon dioxide of 35% by volume would be required to calculate a GSV >0.07.
What increase in flow rate is required to increase the estimate risk and the form of gas protection to be provided?	If it is assumed that the concentrations of carbon dioxide are consistent at the current worst case level 5.4% by volume, what flow rate would need to be present for the GSV to exceed the threshold of Characteristic Situation 1 (0.07)? A gas flow rate of 13l/hr would give a calculated GSV >0.07.
Is the increase in gas concentrations feasible given the known source of gas, the collected gas monitoring data and the conceptual site model?	No – a carbon dioxide concentration of 35% by volume is considered entirely unrealistic in the context of the site, as this would be some 6.5 times higher than the current highest gas concentration recorded.
Is the increase in flow rate feasible given the known source of gas, the collected gas monitoring data and the conceptual site model?	No – It would be almost impossible to go from a flow rate of 0.2l/hr to a consistent flow rate of greater than 13l/hr even in the context of having a historical landfill located in the vicinity of the site. If such a flow rate was possible, then higher flow rates than the 0.2l/hr that has been recorded would already have been recorded during the monitoring period.
Decide whether further monitoring is required.	No – further monitoring is not considered warranted based on the assessment undertaken above and the results recorded to date. A variance in the monitoring results significant enough to warrant a change in the level of risk posed is not considered to be feasible.

6.9 Quantitative Contamination Risk Assessment

6.9.1 Contaminant Pathways Identified

The development is to comprise up to 130 dwellings (Use Class C3), informal and formal public open space, landscaping, drainage, and other associated works.

As such, pathways associated with gas and vapour intrusion into new buildings are considered to be valid, along with direct contact and dust related pathways, and pathways associated with the consumption of home grown produce.

Should the proposed development plans be altered, a revised risk assessment may be required.

It is noted that an asbestos survey of existing structures and infrastructure¹⁹ was beyond the brief of this report. The risk assessment assumes that, should asbestos be identified within buildings or infrastructure, any such materials will be managed in accordance with current legislation and guidance, to ensure this does not represent an ongoing risk to end users and, specifically, to ensure that asbestos materials are not introduced into the underlying soils.

The site is underlain by the River Terrace Deposits which is classed as a Secondary A Aquifer. Although the site is not located within a SPZ, pathways relating to controlled waters may be reasonably considered to be present.

6.9.2 Contamination Sources Identified

The following sources of contamination have been identified by the quantitative contamination risk assessment:

- Made ground soils in the eastern part of the former nursery area containing elevated concentrations of lead and PAH compounds, and concentrations of petroleum hydrocarbons in excess of the threshold value for the use of PE pipework.
- Localised made ground containing elevated concentrations of lead in the north of the site.

6.9.3 Quantitative Conceptual Model

The quantitative conceptual model for the proposed development is presented in Appendix H.

¹⁹ As defined under Section 5(a) of the Control of Asbestos Regulations, 2012.

7. REMEDIATION STRATEGY

Current best practice guidance recommends that any remedial action proposed for the site should be justified. The pollutant linkages identified by the quantitative risk assessment are considered to provide sufficient justification for remedial works.

The remediation works have been developed to meet the technical objectives for the development, the major drivers behind which are:

- To achieve successful remediation within a particular timescale and budget;
- Familiarity with the methodology by the developer/ground worker;
- Confidence that the remediation can be carried out by good technical practices; and
- Likely success of the style of remediation.

7.1 Options Appraisal

The drivers for remediation at the site are the made ground containing lead and PAH compounds in the eastern part of the former nursery area, and the localised made ground containing elevated concentrations of lead in the north of the site. There are no in situ or ex situ remediation techniques that are available to reduce the concentrations of lead and PAH compounds within made ground soils to below that of the published screening values.

The recommended works must be achievable by the groundworker, using techniques that they are familiar with. It is therefore considered that the remediation proposals could comprise either:

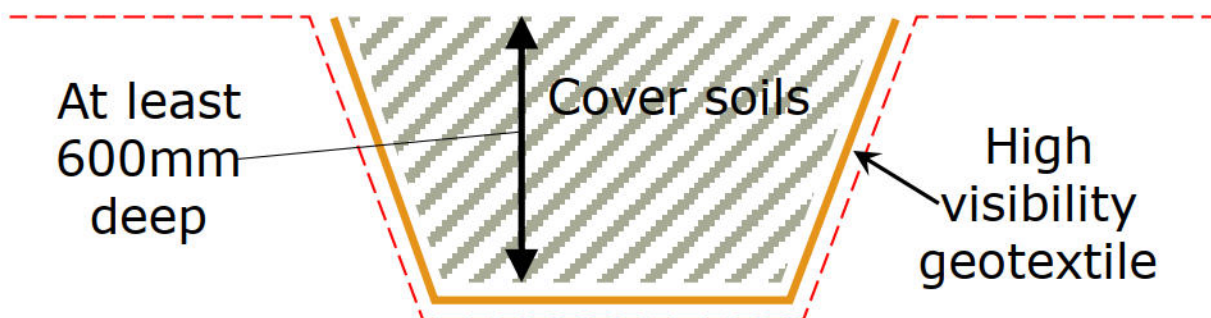
- The complete removal of the contaminant source (the made ground soils); or
- The provision of a cover system within any proposed garden or soft landscaping areas where the contaminated made ground is present, to sever the contaminant pathways.

Both approaches would be expected to be equally straightforward, and both would represent an effective approach to reducing the risk to end users of the site to an acceptable level.

7.2 Protection of Human Health

Within the proposed areas of private garden indicated on Figure 7, the made ground soils will be excavated either to expose the undisturbed soils or to a sufficient depth to allow the placement of a cover system of at least 600mm of verified "clean" topsoil and/or subsoil underlain by a high visibility geotextile marker.

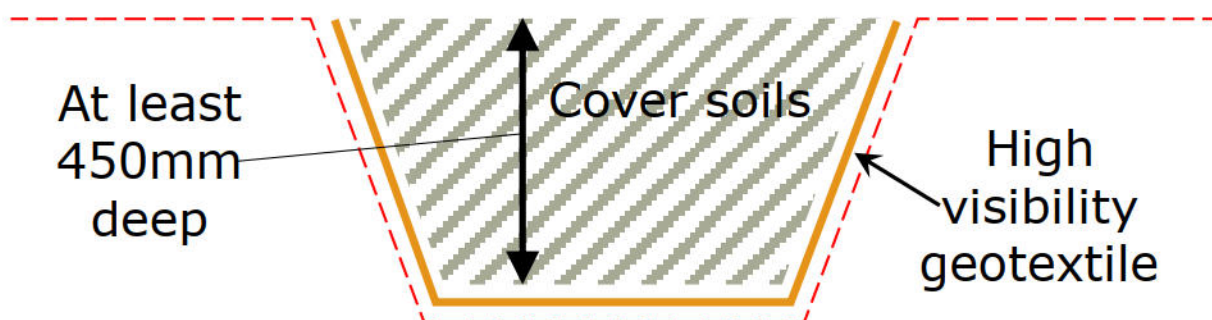
A schematic cross section of the cover system construction within private gardens is shown below.



The depth of the cover system specified represents "two spade depths" to allow for planting of trees, shrubs etc. without residents coming into contact with the contaminated soils remaining at depth.

Within the proposed areas of communal soft landscaping indicated on Figure 7, where excavation by end users is very unlikely to take place, the made ground soils will be excavated either to expose the undisturbed soils or to a sufficient depth to allow the placement of a cover system of at least 450mm of verified "clean" topsoil and/or subsoil underlain by a high visibility geotextile marker.

A schematic cross section of the cover system construction within other soft landscaping is shown below.



Should any tree planting be proposed within areas of general soft landscaping, then the depth of the cover system must be locally deepened to that required for the tree pit.

In the south-east of the site a large SUDS feature is proposed, along with landscaping and trees. Excavation works required in this area will likely remove all the made ground, and therefore sever the pollutant linkage. However, should any made ground remain, then the cover system required in other areas of communal soft landscaping should be provided.

Elsewhere on the site the presence of building cover, roadways and permanent access ways comprising hard cover will act to sever the contaminant pathways and thereby reduce the risk to end users to an acceptable level.

The extents of the proposed remedial works are detailed on Figure 7.

7.3 Protection of Controlled Waters

The risk assessment did not identify any unacceptable risks to controlled waters beneath the site and therefore no specific remedial works are considered necessary in this regard.

7.4 Protection of Services

Unless confirmed otherwise in writing by the water supply company, it should be assumed that barrier pipe is required for all new water supply connections placed in the eastern part of the former nursey area.

All service providers' requirements must be fully adhered to in order to reduce the risk to end users and services to an acceptable level.

Details of any other measures required by service providers and confirmation of their implementation shall be included within the verification report.

7.5 Protection of Construction Workers

All construction workers must undertake their own risk assessment, based upon the works to be carried out and the proposed method by which this will be achieved, in accordance with current health and safety legislation. Their assessment should take into account all available information about the site, including that present within this report.

Appropriate working procedures and PPE should be adopted to ensure the health and safety of the site operatives. Instruction should be given in the recognition of potentially hazardous materials. All site personnel should be appropriately briefed on the discovery strategy, presented below, and what actions they must take in the event that further evidence of contamination is identified or suspected.

7.6 Discovery Strategy

If, during the course of the site clearance and development works, any materials not previously identified by the investigation that are suspected of being 'contaminants' are encountered, then the following procedure will apply:

- All works in that area are to cease and the site manager informed.
- Advice sought from suitably qualified and experienced personnel as to whether any further site inspection, sampling, testing and/or assessment is deemed necessary.
- If required, the conclusions of any assessment and any proposed remedial works (if required) are to be agreed by the local authority.
- If necessary, full details of any remedial works are to be included in the verification report for the site.

Suspected 'contamination' may take the following form, though it is noted that this list is not exhaustive and site operatives should ask if they are at all unsure of any findings:

- Soil or water looks oily and/or has an oily odour
- Soil or water has a solvent type of odour
- Significant quantities of man-made materials within fill such as paint cans, car parts, glass fragments
- Suspected asbestos containing materials (insulating boards, cement, loose fibres etc.)
- Significant volumes of clinker like or ashy material
- Sand bags, and/or subsurface concrete structures
- Animal carcasses or evidence of animal burial pits

8. VERIFICATION PLAN

8.1 Stripped Formations

For all areas where remediation works are required (reference Figure 7) the formation level will be inspected prior to placement of any cover soils to confirm either the complete removal of all made ground soils, or that the excavations are sufficiently deep to enable placement of the required thickness of cover soils.

A photographic record of all stripped formations will be maintained for inclusion in the verification report.

If all made ground is removed, then samples of the formation level will be taken at ~50m centres, and tested for concentrations of heavy metals, PAH compounds and petroleum hydrocarbons. The results will be compared to the screening values used in the risk assessment to confirm that no unacceptable risk remains.

If the cover system is to be implemented, then testing of the formation level will not be required.

8.2 Cover System Depth and Placement of Geotextile Marker

In any areas where the cover system is to be implemented, the final depth of cover material placed will be confirmed by use of tape measurements made within excavations to the base of the cover soils. The excavations should expose the geotextile to confirm its presence.

Photographic evidence of the depth of cover soils and the presence of the geotextile will be included in the verification report.

In the event that all made ground soils have been removed from site, then the depth of cover soils will not be measured.

8.3 Imported Materials

All soils brought onto the site, including those for use in areas where remediation is required as well as any required elsewhere, will be subject to the same criteria.

No imported materials may be sourced from potentially contaminated (e.g. industrial) sites. It is recommended that chemical testing results are obtained and supplied for comment prior to accepting the soils on site. Obtaining such results does not negate the need to carry out sampling and testing of the soils, once brought onto the site.

Once imported materials have been brought to site they should ideally be stockpiled and protected from cross contamination with any other materials already on site prior to inspection, sampling and testing by Ashdown Site Investigation Ltd. However, if this is not practical, soils may be placed directly into garden areas and then inspected, sampled and tested.

8.3.1 Soils for use in soft covered areas.

The table below summarises the soil screening values against which any imported soils will be assessed.

Table 23. Published soil screening values for imported soils

Contaminant	Screening Value (mg/kg)	Contaminant	Screening Value (mg/kg)
Arsenic	37	Selenium	95
Cadmium	11	Zinc	2400
Chromium	910	Hexavalent Chromium	280
Copper	2400	Water Soluble Boron	620
Lead	200	Benzo(a)pyrene ¹	0.8
Mercury	40	Asbestos	N.D.
Nickel	170		

Table Notes: ¹ S4UL for benzo(a)pyrene as the surrogate marker for all PAH compounds.

It is noted that the SSV are only protective of long-term risk to human health and do not necessarily represent suitable concentrations for planting or landscaping. If necessary, a horticulturalist should be consulted in this regard.

All soils must be free from any visual or olfactory evidence of suspected petroleum hydrocarbon contamination and must contain no significant quantity of putrescible material (incl. wood or paper). Along with testing for the contaminants listed above, testing should also be undertaken to confirm the absence of any significant concentrations of petroleum hydrocarbons.

All soils used as surface dressing or as part of the cover system must be free from propagules of aggressive weeds, fragments of glass, bricks, concrete, wire or other potentially hazardous foreign matter and bulk vegetative growth, in order to ensure negligible risk of subsequent weed problems (introduced in the soil) or traumatic injury.

In the event that any individual sample of imported material records concentrations of contaminants above the screening values listed above, the following method of assessment will be undertaken:

- Statistical analysis of the results, along with an assessment of whether any statistical 'outliers' should be removed from the dataset and treated as 'hotspots'. If the data indicates that the majority of the soil mass as a whole may be considered to contain contaminant concentrations below the screening values then it may be deemed suitable to remain.
- Depending on the findings of the analysis, additional testing (which may include retests of the original sample) may be undertaken along with further analysis of the results to determine if this is representative of a widespread issue, or may be attributed to a smaller part of the site, or batch of imported soils.
- Liaison with the regulators may be undertaken to agree whether or not the materials are to be considered suitable to remain.

Where testing and analysis identify a significant failure and the procedures above do not provide sufficient evidence that the imported materials are suitable to remain, then the imported soils will be removed and replaced with other suitable soils.

8.4 Sampling Rates

All imported soils will be subject to verification testing at a rate of 1 sample per 250m³, with a minimum of three samples tested per batch of soils.

A batch in this instance is considered to refer to soils provided from a single supplier, and brought to site on the same day, or on consecutive days e.g. if 16 loads were delivered to site across a Monday, Tuesday and Wednesday, they would be considered as one batch, but if 3 loads were delivered on a Monday, and 5 loads 10 days later, these would be considered separate batches, even if the same supplier was used.

Delivery notes for imported soils will be required to demonstrate compliance with testing rates.

8.5 Services

The contractor will provide evidence that the water supply pipe material used is acceptable to the local water supply company in the various areas of the site.

Confirmation of any other service providers' requirements, and evidence to demonstrate adherence to them, will also be included in the verification report.

9. POST REMEDIATION RISK ASSESSMENT

The remedial works set out in this report are considered to remove or sever the identified pollutant linkages. A post remediation conceptual model is presented in the following table.

Table 24. Post Remediation Conceptual Model

Contaminant Source	Remedial Measures	Potential Pathway(s)	Assessment of Risk to Human Health
Made ground soils in the eastern part of the former nursery area containing elevated concentrations of lead and PAH compounds, and concentrations of petroleum hydrocarbons in excess of the threshold value for the use of PE pipework.	Private Gardens Removal of all made ground soils OR Placement of 600mm of verified cover soils over a high visibility geotextile marker.	N/A - Removal of Source OR Pathways severed by remedial measures	No significant pollutant linkages identified
	Soft Landscaped Areas Removal of all made ground soils OR Placement of 450mm of verified cover soils over a high visibility geotextile marker.	N/A - Removal of Source OR Pathways severed by remedial measures	
	Tree Pits (if provided) Removal of all made ground soils OR Placement of verified cover soils and high visibility geotextile marker to the full depth of the tree pit.	N/A - Removal of Source OR Pathways severed by remedial measures	
	SUDS Feature and Landscaping Removal of all made ground soils and placement of verified topsoil/subsoil.	N/A - Removal of Source	
	Hard Landscaping Provision of building cover, parking areas and permanent access ways comprising hard cover	Pathways severed by construction works	
	Water Supply Pipework Provision of barrier pipework OR Other pipework acceptable to the local water supply company.	Pathways served by remedial measures and construction works	

Contaminant Source	Remedial Measures	Potential Pathway(s)	Assessment of Risk to Human Health
Localised elevated concentrations of lead in the made ground in the north of the site.	Private Gardens Removal of all made ground soils OR Placement of 600mm of verified cover soils over a high visibility geotextile marker.	N/A - Removal of Source OR Pathways severed by remedial measures	No significant pollutant linkages identified
	Tree Pits (if provided) Removal of all made ground soils OR Placement of verified cover soils and high visibility geotextile marker to the full depth of the tree pit.	N/A - Removal of Source OR Pathways severed by remedial measures	
	Hard Landscaping Provision of building cover, parking areas and permanent access ways comprising hard cover	N/A - Removal of Source OR Pathways severed by remedial measures	

10. REGULATORY APPROVAL

It is recommended that this report is submitted to the Local Authority in relation to the relevant conditions with respect to contaminated land. The report should also be submitted to any other relevant regulator/warrantor.

The conclusions drawn in this report should be considered as provisional until such time as the report has been accepted and the relevant conditions have been discharged.

11. HANDLING AND DISPOSAL OF WASTE

11.1 Waste Management – Legislative Framework

"A material is waste if the holder has discarded it...Assessment of whether a material has been discarded is based on the actions of the holder. A holder may unintentionally, involuntarily or accidentally discard a material. They may also be required to discard it"²⁰.

Soils excavated during construction works are generally considered to be waste (examples of this have been given by previous Environment Agency guidance).

Soils may also be used as a non-waste (on the same site or another site) in accordance with the CL:AIRE code of practice²¹, but only if the soils meet the four principles for use of materials as a non-waste.

Soils and other materials taken for disposal should be handled, transferred and disposed of as controlled waste in accordance with current waste management^{22,23} and duty of care regulations²⁴ and comply with current codes of practice²⁵. Waste transfer notes detailing the site address, the waste type, details of the haulage contractor and full details of the disposal site must be kept by the waste producer.

The disposal of any asbestos containing materials (where encountered) should be undertaken by appropriately trained personnel. The disposal of such material and other hazardous waste should be undertaken in accordance with the Hazardous Waste Regulations 2005²⁶.

It is a legal requirement to correctly assess and classify waste²⁷. Classification of waste requires analysis of total contaminant concentrations within the soils, as specified in WM3²⁸: The guidance notes that "*Landfill WAC analysis (specifically leaching test results) must **not** be used for waste classification and hazardous waste assessment purposes.*"

11.2 Analysis of Laboratory Test Results

Characterisation of the waste in full accordance with current guidance²⁹ was beyond the scope of this assessment. However, analysis of the results of the laboratory testing has been undertaken using the HazWasteOnline^{TM30} tool. HazWasteOnline classifies waste as either hazardous or non-hazardous based on its chemical composition, related legislation and the rules and data defined in the current UK and/or EU technical guidance. The HazWasteOnline output sheets generated by the tool are presented in Appendix I.

The following table summarises the classification of soils tested, the appropriate code from the List of Wastes (LoW) and, where undertaken, the findings of the WAC testing.

²⁰ Environment Agency, Check if your material is waste, Updated 6th January 2022

²¹ CL:AIRE Definition of Waste: Development Industry Code of Practice, Version 2, March 2011

²² The Waste (England and Wales) Regulation 2011

²³ Section 34, Environmental Protection Act 1990

²⁴ The Environmental Protection (Duty of Care) Regulations 1991

²⁵ Waste Duty of Care: Code of Practice, Updated 26th November 2018

²⁶ Hazardous Waste (England and Wales) Regulations 2005

²⁷ Environment Agency, Disposal of waste to landfill, Published 30th January 2020

²⁸ Technical Guidance WM3: Waste Classification – Guidance on the assessment of waste, 1st Edition v1.2.GB, Oct 2021

²⁹ As discussed in BS EN 14899:2005 Characterisation of waste

³⁰ <https://www.hazwasteonline.com/>

Table 25. Summary of Classification of Samples from HazWasteOnline Analysis

Exploratory Hole Location	Sample Depth (m bgl)	Strata	Classification	Code from LoW	WAC Test Results (where testing undertaken)
TP01	0.10	Topsoil	Non Hazardous	17 05 04	-
TP02	0.20	Made Ground	Non Hazardous	17 05 04	Does not meet Inert WAC
TP03	0.05	Topsoil	Non Hazardous	17 05 04	-
TP04	0.10	Made Ground	Non Hazardous	17 05 04	-
TP05	0.10	Made Ground	Non Hazardous	17 05 04	-
TP06	0.20	Made Ground	Non Hazardous	17 05 04	-
TP07	0.20	Made Ground	Non Hazardous	17 05 04	-
TP08	0.10	Topsoil	Non Hazardous	17 05 04	-
TP09	0.10	Made Ground	Non Hazardous	17 05 04	-
TP10	0.15	Made Ground	Non Hazardous	17 05 04	-
TP11	0.10	Made Ground	Non Hazardous	17 05 04	-
TP12	0.25	Made Ground	Non Hazardous	17 05 04	Does not meet Inert WAC
TP13	0.10	Topsoil	Non Hazardous	17 05 04	-
TP14	0.25	Made Ground	Non Hazardous	17 05 04	Meets Inert WAC
TP22	0.20	Made Ground	Non Hazardous	17 05 04	Meets Inert WAC
TP23	0.20	Made Ground	Non Hazardous	17 05 04	-
TP24	0.20	Made Ground	Non Hazardous	17 05 04	-
TP25	0.10	Made Ground	Non Hazardous	17 05 04	-
TP26	0.20	Made Ground	Non Hazardous	17 05 04	-
TP27	0.10	Topsoil	Non Hazardous	17 05 04	-
TP28	0.25	Topsoil	Non Hazardous	17 05 04	-
TP29	0.30	Made Ground	Non Hazardous	17 05 04	Does not meet Inert WAC
TP30	0.05	Topsoil	Non Hazardous	17 05 04	-
TP31	0.05	Topsoil	Non Hazardous	17 05 04	-
TP32	0.10	Made Ground	Non Hazardous	17 05 04	-
TP33	0.20	Made Ground	Non Hazardous	17 05 04	-
TP34	0.10	Topsoil	Non Hazardous	17 05 04	-
TP35	0.15	Topsoil	Non Hazardous	17 05 04	-
TP36	0.10	Topsoil	Non Hazardous	17 05 04	-
TP37	0.20	Made Ground	Non Hazardous	17 05 04	-

Exploratory Hole Location	Sample Depth (m bgl)	Strata	Classification	Code from LoW	WAC Test Results (where testing undertaken)
TP38	0.30	Made Ground	Non Hazardous	17 05 04	-
TP39	0.10	Topsoil	Non Hazardous	17 05 04	-
TP40	0.20	Topsoil	Non Hazardous	17 05 04	Meets Inert WAC
TP44	0.10	Topsoil	Non Hazardous	17 05 04	-
TP47	0.15	Topsoil	Non Hazardous	17 05 04	-
WS02	0.20	Topsoil	Non Hazardous	17 05 04	Meets Inert WAC
WS03	0.15	Topsoil	Non Hazardous	17 05 04	-
WS05	0.10	Topsoil	Non Hazardous	17 05 04	-
WS06	0.15	Topsoil	Non Hazardous	17 05 04	-
WS07	0.05	Topsoil	Non Hazardous	17 05 04	-
WS08	0.15	Topsoil	Non Hazardous	17 05 04	Meets Inert WAC
WS09	0.20	Made Ground	Non Hazardous	17 05 04	-
WS10	0.50	Made Ground	Non Hazardous	17 05 04	-
WS11	0.10	Topsoil	Non Hazardous	17 05 04	-
WS12	0.15	Made Ground	Non Hazardous	17 05 04	-
WS13	0.05	Made Ground	Non Hazardous	17 05 04	-
WS14	0.30	Made Ground	Non Hazardous	17 05 04	-
WS15	1.10	River Terrace Deposits	Non Hazardous	17 05 04	Meets Inert WAC
WS16	0.15	Made Ground	Non Hazardous	17 05 04	-
WS17	0.05	Made Ground	Non Hazardous	17 05 04	Meets Inert WAC
WS18	0.10	Made Ground	Non Hazardous	17 05 04	-
WS19	0.10	Made Ground	Non Hazardous	17 05 04	-
WS20	0.20	Made Ground	Hazardous	17 05 03*	Meets Hazardous WAC
WS21	0.10	Topsoil	Non Hazardous	17 05 04	-
WS22	0.05	Made Ground	Non Hazardous	17 05 04	-
WS23	0.10	Topsoil	Non Hazardous	17 05 04	-
WS24	0.05	Made Ground	Non Hazardous	17 05 04	-
WS25	0.30	Made Ground	Non Hazardous	17 05 04	-
WS26	0.15	Topsoil	Non Hazardous	17 05 04	-
WS27	0.05	Made Ground	Non Hazardous	17 05 04	-
WS28	0.10	Made Ground	Non Hazardous	17 05 04	-
WS29	0.50	Made Ground	Non Hazardous	17 05 04	-
WS30	0.20	Made Ground	Non Hazardous	17 05 04	Meets Inert WAC
WS31	0.15	Made Ground	Non Hazardous	17 05 04	-

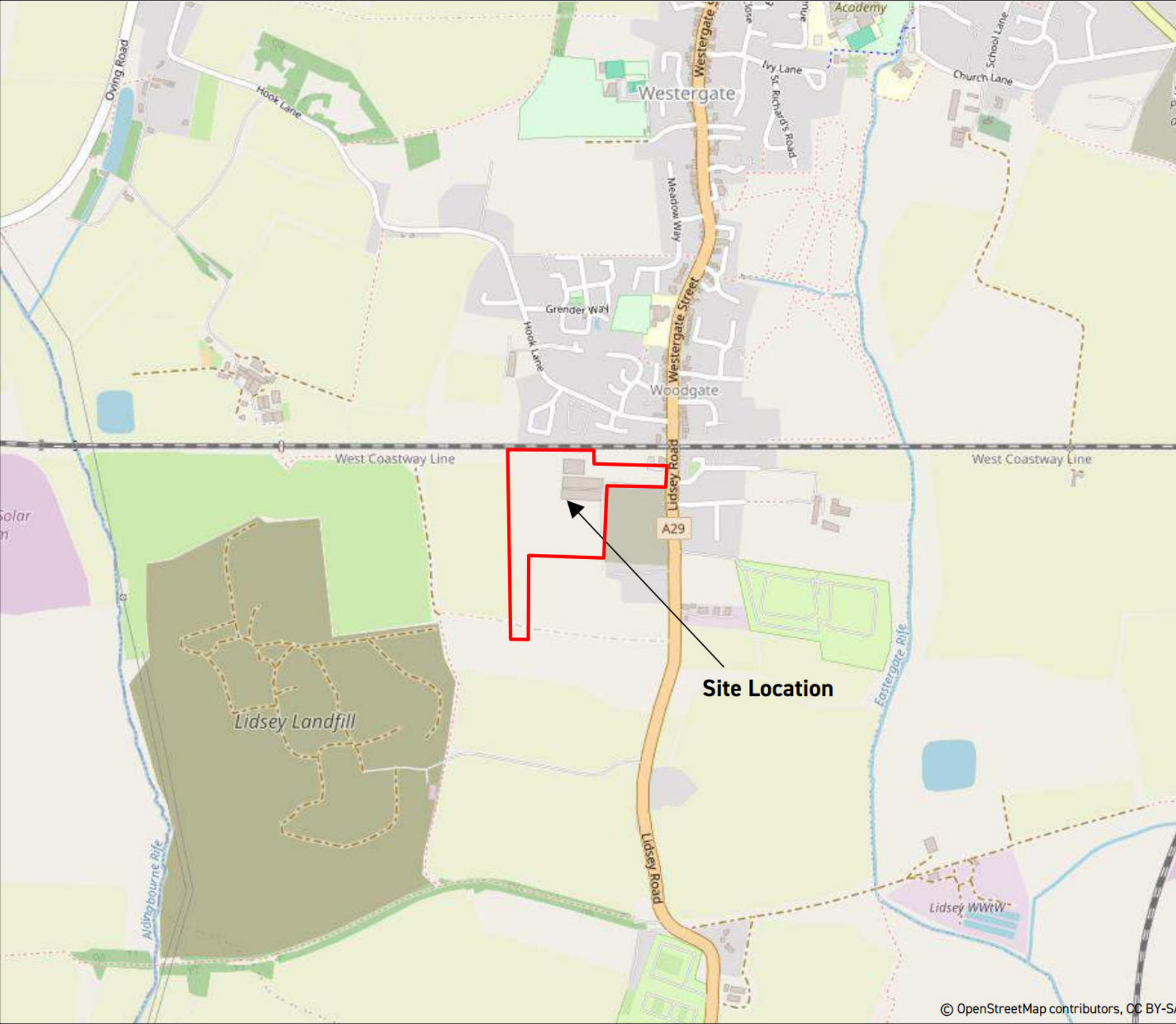
Exploratory Hole Location	Sample Depth (m bgl)	Strata	Classification	Code from LoW	WAC Test Results (where testing undertaken)
WS32	0.05	Made Ground	Non Hazardous	17 05 04	-
WS33	0.30	Made Ground	Non Hazardous	17 05 04	-

Table Notes: The asterisk (*) at the end of a code indicates that the waste is classified as hazardous.

It is noted that the disposal site has the final decision on whether to accept any materials and we would recommend that all of the testing and classification information be provided to them at the earliest opportunity.

FIGURES

- Figure 1 Site Location Plan
- Figure 2 Site Plan
- Figure 3 Site Plan Showing Distribution of Lead Concentrations in Samples of Made Ground
- Figure 4 Site Plan Showing Distribution of Benzo(a)pyrene Concentrations in Samples of Made Ground
- Figure 5 Site Plan Showing the Northern Part of the Site - Distribution of Lead Concentrations in Samples of Made Ground (Both Phases of Ground Investigation)
- Figure 6 Exploratory Hole Locations on Development Proposal
- Figure 7 Site Plan Showing Extent of Remediation Required



ASHDOWN
SITE INVESTIGATION

Head Office

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Site

Land at Woodgate Nurseries
Lidsey Road
Woodgate
West Sussex
(Phase 3/Quick Win 3)

Project Ref

P17318

Figure No

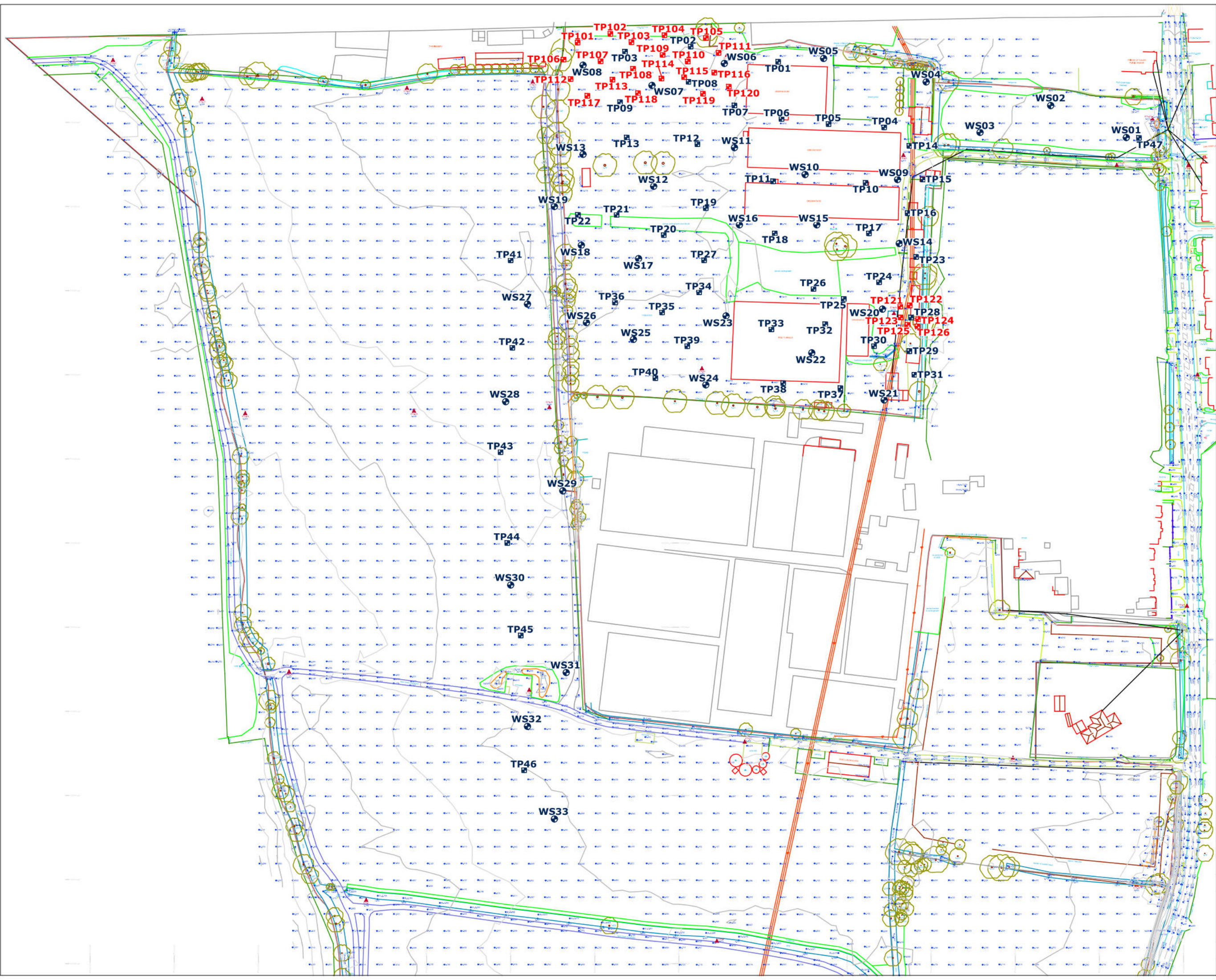
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Drawing Title

Site Location Plan

Scale

Not To Scale

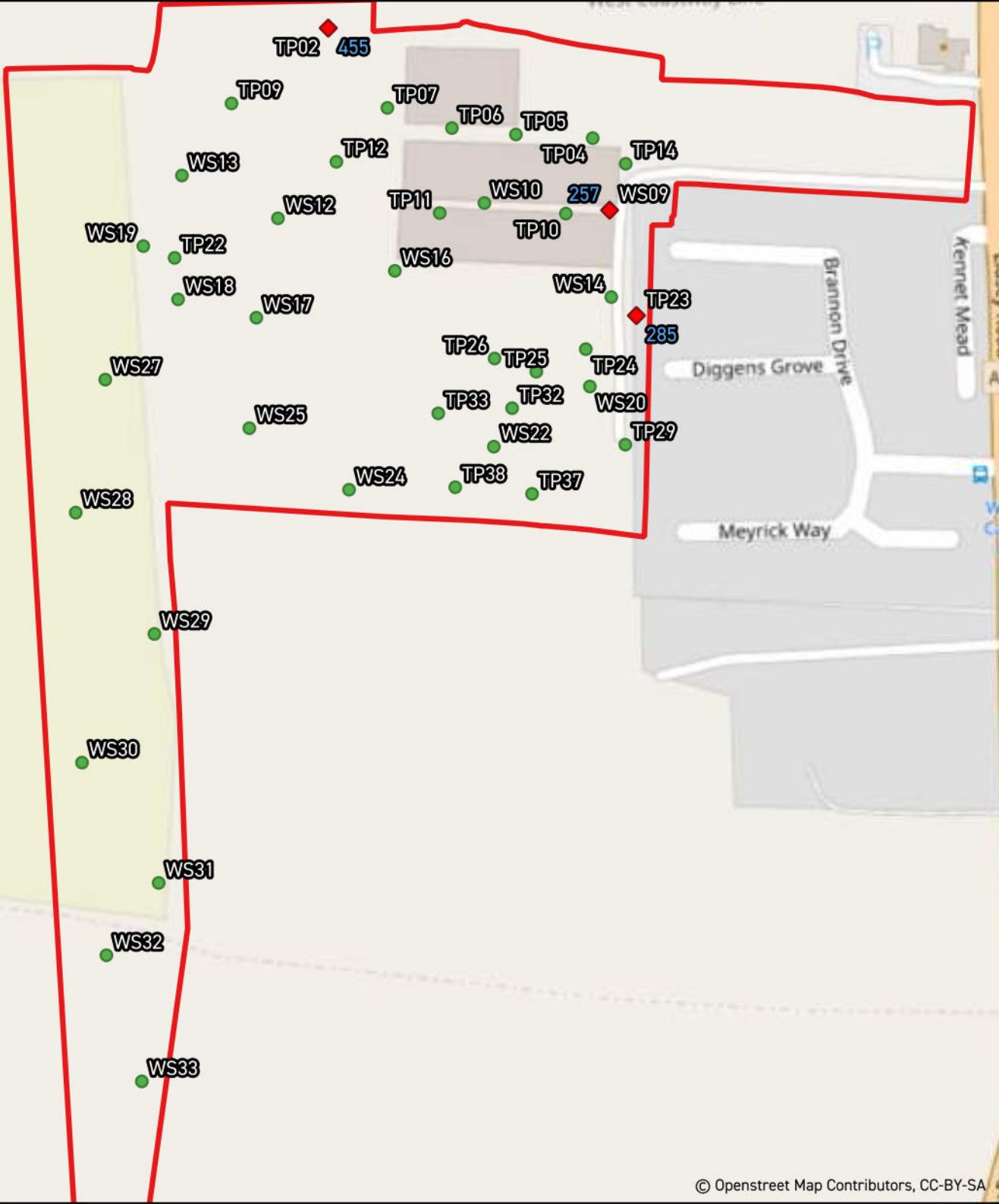


Head Office	
Unit 3 The Old Grain Store Ditchling Common Business Park Ditchling East Sussex BN6 8SG contact@ashdownsi.co.uk	
Site	
Land at Woodgate Nurseries Lidsey Road Woodgate West Sussex (Phase 3/Quick Win 3)	
Project Ref	
P17318	
Figure No	
2	
Drawing Title	
Site Plan	
Scale	
Not To Scale	

Key

- Lead Concentrations (mg/kg)
- < LOD - 200
 - > 200

Lead concentration in samples of made ground with concentration >SSV



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Site

Woodgate Phase 3
Woodgate
West Sussex

Project Ref

P17318

Figure No.

3

Drawing Title

Site Plan Showing Distribution
of Lead Concentrations in
Samples of Made Ground

Scale

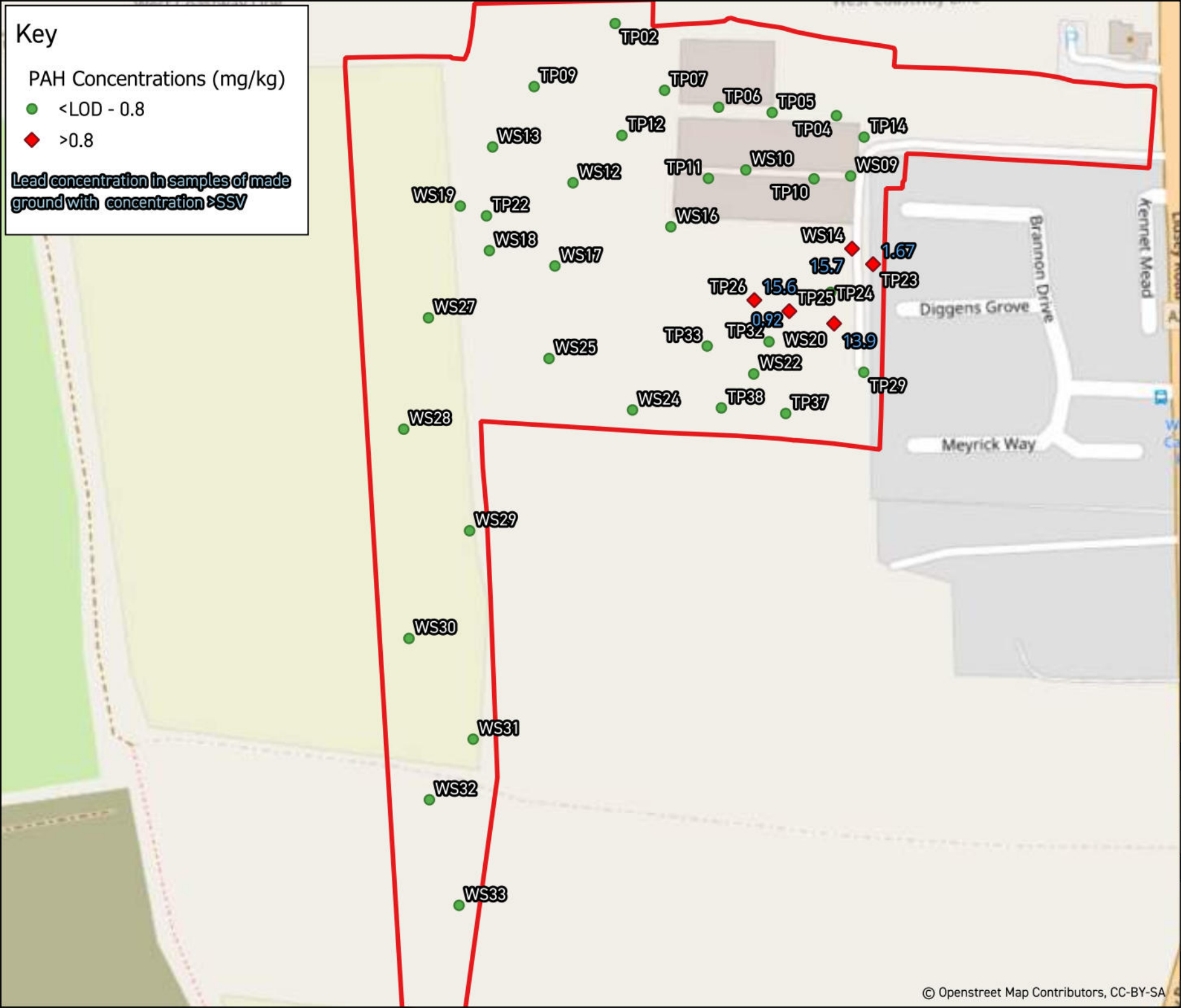
1:2,500

Key

PAH Concentrations (mg/kg)

- < LOD - 0.8
- ◆ > 0.8

Lead concentration in samples of made ground with concentration >SSV



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Unit 3 The Old Grain Store Ditchling Common Business Park East Sussex BN6 8SG contact@ashdownsi.co.uk
Site
Woodgate Phase 3 Woodgate West Sussex
Project Ref
P17318
Figure No.
5a
Drawing Title
Site Plan Showing Distribution of Lead Concentrations in Samples of Made Ground (Both Phases of Ground Investigation)
Scale
1:2,500

Key

Lead Concentration (mg/kg)

- < LOD - 200
- > 200

Lead concentration in samples of made ground with concentration >SSV



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Site

Woodgate Phase 3
Woodgate
West Sussex

Project Ref

P17318

Figure No.

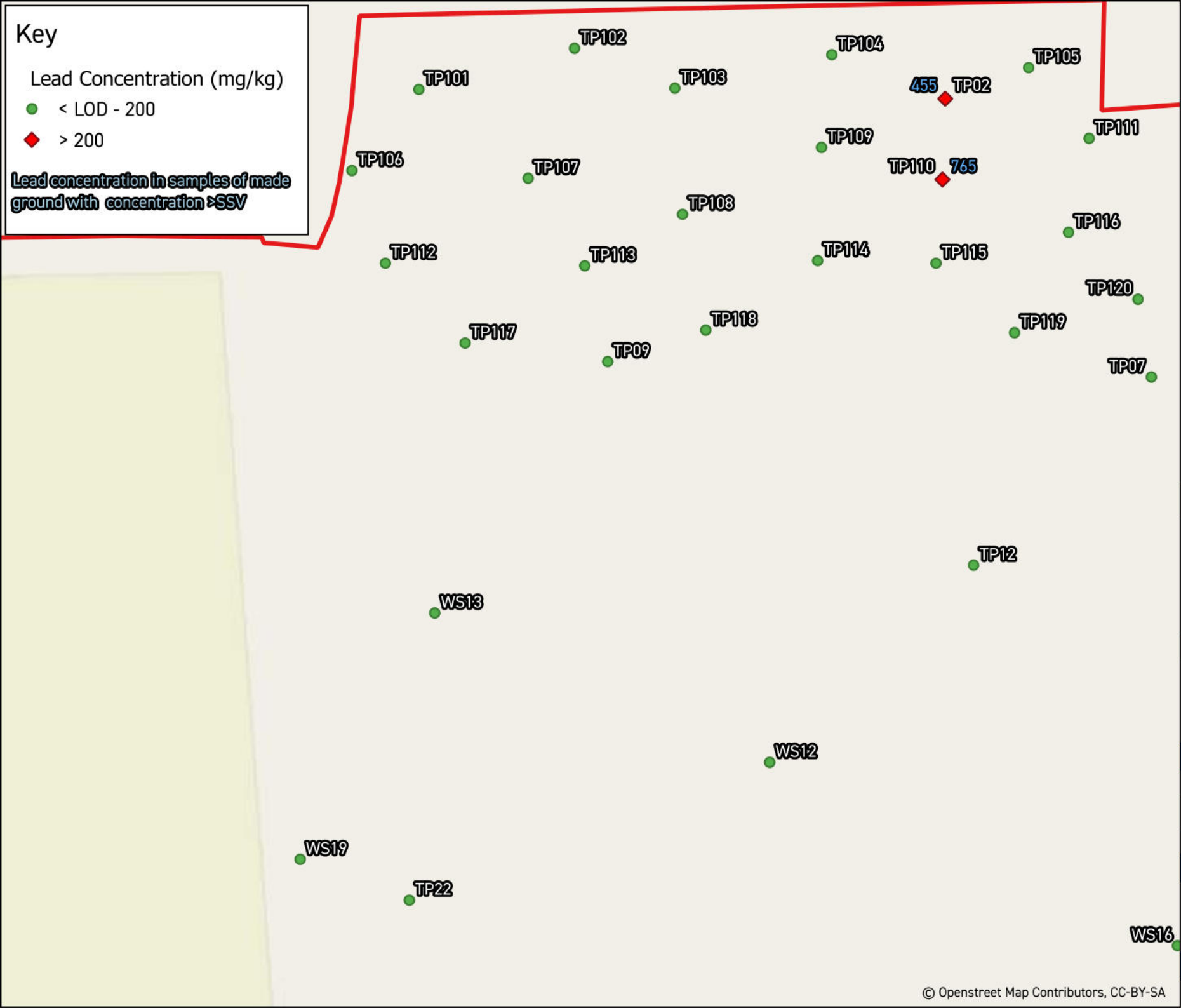
5

Drawing Title

Site Plan Showing the Northern Part of the Site - Distribution of Lead Concentrations in Samples of Made Ground (Both Phases of Ground Investigation)

Scale

1:2,500



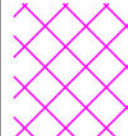


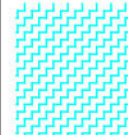
Derelict Nurseries

Not To Scale

MP 23



 **Private Garden:** Removal of all made ground soils OR Placement of 600mm of verified cover soils over a high visibility geotextile marker.

 **Soft Landscaped Areas:** Removal of all made ground soils OR Placement of 450mm of verified cover soils over a high visibility geotextile marker.

 **Tree Pits:** Removal of all made ground soils OR Placement of verified cover soils and high visibility geotextile marker to the full depth of the tree pit.

 **SUDS Feature and Landscaping Area in the South-Eastern Part of the Site:** Removal of all made ground soils and placement of verified topsoil/subsoil.

Localised area in the north of the site

Formerly Developed Area of the Site

Drain



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Site
Land at Woodgate Nurseries Lidsey Road Woodgate West Sussex
Project Ref.
P17318
Figure No.
7
Drawing Title
Site Plan indicating Extent of Remedial Works Required
Scale
Not To Scale

APPENDIX A

Proposed Development Layout



 Site Boundary



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CLIENT	Harbury Properties
PROJECT	Land at Woodgate Nurseries, Lidsey Road, Woodgate
TITLE	Illustrative Block Plan
STATUS	Planning
NUMBER	DLA.2222.1.04.S06
SCALE	1:2500@ A3



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KEY  Application Boundary



S07	12.06.24	Tracking Changes	MD	MD
S06	30.05.24	Layout amendments and Design Freeze	MD	MD
S05	18.03.24	Access priority changed to QW2	MD	MD
S04	11.03.24	Red Line Boundary changes	MD	MD
S03	26.02.24	Layout changes	MD	MD
S02	22.02.24	Layout changes	MD	MD
S01	05.02.24	Access alignment changes	MD	MD
Rev	Date	Details	By	QA
C:\Users\Tom.hughes\ASHP\Downloads\Local\Temp\3815796e-6571-4e2b-957c-e6a5d49e2_DLA.2222.L01.P01				
Block Plan - Standard (Ph 3 Approved Block Plan).zip.9e2DLA.2222.L01.P01				
Block Plan.dwg				

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CLIENT	Hanbury Properties
PROJECT	Woodgate QW3
TITLE	Block Plan
STATUS	Sketch
NUMBER	2222
DLA	XXX
XXX	DR
DR	L
L	L01
L01	S08
Job Number	2150
Scale	NTS @ A3
Size	A3
Date	18.03.2024



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KEY  Application Boundary



S07	12.06.24	Tracking Changes	MD	MD
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S03	26.02.24	Layout changes	MD	MD
S02	22.02.24	Layout changes	MD	MD
S01	05.02.24	Access alignment changes	MD	MD

Rev Date Details By QA
C:\Users\Tom.hughes\ASHP\Downloads\LocalTemp\3815796e-6571-4e2b-957c-ef0a5d49e2_DLA_2222.L01.P01
Block Plan - Standard (Ph 3 Approved Block Plan).zip.9e2DLA_2222.L01.P01.
Block Plan.dwg

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CLIENT	Hanbury Properties
PROJECT	Woodgate QW3
TITLE	Block Plan
STATUS	Sketch
NUMBER	2222 DLA XXX XXX DR L L01 S08
Job Number	2150
Scale	NTS @ A3
Size	A3
Date	18.03.2024

APPENDIX B

Explanatory Notes

Exploratory Hole Records

DPSH-B Dynamic Probe Records

TRL Dynamic Cone Penetrometer (CBR) Record

EXPLANATORY NOTES

Symbols and abbreviations on Exploratory Hole Records

Samples

U	'Undisturbed' Sample: - 100mm diameter by 450mm long. The number of blows to drive in the sampling tube is shown after the test index letter in the SPT column.
L	Liner sample cut to length indicated.
D	Disturbed Sample
B	Bulk Disturbed Sample
W	Water Sample
ES	Environmental Suite (on older records may be referenced J T)

In Situ Testing

SPT	Standard penetration test (SPT): Using the split spoon sampler.
SPT(C)	Standard Penetration Test (SPT): Using a solid cone instead of the sampler – conducted usually in coarse grained soils or weak rocks.
HV	Shear Vane Test: Undrained shear strength (cohesion).
PP	Hand penetrometer Test: Undrained shear strength (cohesion).
P	Perth Penetrometer Test: Number of blows for 300mm penetration shown under remarks section.

Excavation Method

CP	Cable Percussion Borehole
RC/RO	Rotary Cored Borehole/Rotary Open Hole Borehole
WLS	Dynamic Sampler Borehole using windowless sampler tubes
WS	Dynamic Sampler Borehole using window sampler tubes
TP	Trial Pit excavated using mechanic excavator
HP	Trial Pit excavated using hand tools
HA	Hand Auger borehole

Soil Description

Description and classification of soils has been carried out using as a general basis the British Standard Geotechnical investigation and testing – Identification and classification of soil, Part 1 Identification and description (BS EN ISO 14688-1) and Part 2 Principles of classification (BS EN 14688-2) as well as the BS5930 code of Practice for Ground Investigations.

Rock Description

Description and classification of rocks has been carried out using as a general basis the British Standard Geotechnical investigation and testing – Identification and classification of rock, Part 1 Identification and classification (BS EN ISO 14689-1) as well as the BS5930 code of Practice for Ground Investigations. TCR – Total Core Recovery, SCR – Solid Core Recovery, RQD – Rock Quality Designation, NI – Non Intact, If – indicative fracture spacing (min/ave/max), FI – Fracture Index.

Chalk Description

Chalk description is based on BS EN ISO 14688, BS EN ISO 14689 and BS5930. The classification of chalk generally follows the guidance offered by the Construction Industry Research and Information Association (CIRIA) C574, 'Engineering in Chalk'. This is based on assessment of chalk density, discontinuity and aperture spacing, and the proportion of intact chalk to silt of chalk.

In Situ Strength Testing (where undertaken)

Standard penetration testing (SPT) carried out in accordance with BS EN ISO 22476-3:2005.

Continuous dynamic probe testing conducted using a super heavy DPSH-B (As defined by BS EN ISO 22476-2:2005) probing geometry. The DPSH-B configuration is similar to that of the standard penetration test (SPT); the main differences being that the tip comprises a 90° cone, the driving rods are lighter than those used for SPT testing and the blow counts are recorded over 100mm increments rather than 300mm, as is the case for the SPT.

Perth penetrometer tests carried out in accordance with Australian Standard AS 1289:6.3.3-1997, Method of Testing Soils for Engineering Purposes; no equivalent European or British Standard having been published to date.

Undrained shear strength determinations made in-situ using a Geonor hand shear vane or a hand penetrometer.

Testing to determine the in-situ California Bearing Ratio (CBR) of soils conducted at shallow depths using a hand-held Transport Research Laboratory (TRL) cone penetrometer.



Trial Pit

TP01
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
--------	------------	------------

Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		Topsoil.	
		0.40	ES			0.20		Brown and orange brown silty CLAY. [River Terrace Deposits]	
						(0.55)			0.5
						0.75		End of Trial Pit at 0.75m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.75m TP Trial pit stable on completion.	Logger AC
---	--	--------------



Trial Pit

TP02
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
--------	------------	------------

Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES			(0.25)		MADE GROUND: Dark brown slightly gravelly silty clay. Gravel is fine to coarse brick, concrete, flint, plastic, glass and wood.	
		0.50	ES			0.25		Orange brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to medium flint.	
						(0.35)		[River Terrace Deposits]	0.5
						0.60		End of Trial Pit at 0.60m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m TP Trial pit stable on completion.	Logger AC
---	--	--------------



Trial Pit

TP03
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
--------	------------	------------

Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.10) 0.10		Topsoil.	
								Orange brown silty CLAY with occasional iron staining. [River Terrace Deposits]	
		0.40	ES			(0.50)			0.5
						0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m TP Trial pit stable on completion.	Logger AC
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Trial Pit

TP04
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.25)		MADE GROUND: Dark brown gravelly slightly sandy silty clay. Gravel is fine to coarse brick, flint, crystalline rock and glass. With occasional cobbles of bricks.	
		0.40	ES			0.25		Orange brown silty CLAY. [River Terrace Deposits]	
						(0.65)			0.5
						0.90		with subangular to subrounded coarse gravel of flint at base.	1.0
								End of Trial Pit at 0.90m	
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.90m TP Trial pit stable on completion.	Logger AC
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Trial Pit

TP05
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.25)		MADE GROUND: Dark brown and purple brown sandy clayey gravel of crushed crystalline rock and concrete.	
		0.50	ES			0.25		Orange brown and brown silty CLAY. [River Terrace Deposits]	
						(0.55)			0.5
						0.80			1.0
								End of Trial Pit at 0.80m	1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.80m TP Trial pit unstable in coarse grained made ground.	Logger AC
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Trial Pit

TP06
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES			(0.05) 0.05		Crushed crystalline rock over, Concrete and membrane.	
						(0.40)		MADE GROUND: Brown slightly gravelly silty clay. Gravel is fine to medium crystalline rock and concrete. Base of stratum varies between 0.05m at eastern end of pit and 0.45m at western end of pit.	
						0.45		Orange brown and brown silty CLAY.	0.5
		0.70	ES			(0.35)		[River Terrace Deposits]	
						0.80		End of Trial Pit at 0.80m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.80m TP Trial pit stable on completion.	Logger AC
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Trial Pit

TP07

Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES			(0.25)		MADE GROUND: Dark brown slightly gravelly silty clay. Gravel is fine to medium crystalline rock and glass.	
		0.50	ES			0.25		Brown and orange brown silty CLAY. [River Terrace Deposits]	
						(0.45)			0.5
						0.70		End of Trial Pit at 0.70m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.70m TP Trial pit stable on completion.	Logger AC
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Trial Pit

TP08
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.15)		Topsoil.	
						0.15		Yellow brown and orange brown silty CLAY. [River Terrace Deposits]	
						(0.55)			0.5
		0.60	ES			0.70		End of Trial Pit at 0.70m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.70m TP Trial pit stable on completion.	Logger AC
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Trial Pit

TP09
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.18)		MADE GROUND: Dark brown and black slightly gravelly sandy clay. Gravel is fine to medium clinker-like material, charcoal-like material, asphalt and wood fragments.	
						0.18			
						(0.42)		Orange brown silty CLAY. [River Terrace Deposits]	
		0.50	ES			0.60			0.5
								End of Trial Pit at 0.60m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m TP Trial pit stable on completion.	Logger AC
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Hand Pit

TP10
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-11	End Date 2025-08-11	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.15 0.20	ES D			(0.10) 0.10 (0.15) 0.25	 	Gravel of crystalline rock over, Topsoil.	
		0.40	ES			(0.35) 0.60	 	MADE GROUND: Dark brown gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint and brick with occasional glass, rope and plastic. Brown silty CLAY. [River Terrace Deposits]	0.5
								End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP11

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-11	End Date 2025-08-11	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.05) 0.05 (0.15) 0.20		Gravel of crystalline rock over, Topsoil.	
						0.20		MADE GROUND: Dark brown gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint and brick with occasional glass, rope, rubber and ash-like material.	
		0.50	ES			(0.40)		Brown silty CLAY.	0.5
		0.60	D			0.60		[River Terrace Deposits]	
								End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger AW
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Trial Pit

TP12
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.25	ES			(0.50)		MADE GROUND: Dark brown slightly gravelly sandy silty clay. Gravel is fine to coarse brick, crystalline rock, concrete and clinker-like material.	
		0.60	ES			0.50 (0.20) 0.70		Yellow brown slightly gravelly silty CLAY. Gravel is subrounded to rounded medium to coarse flint. [River Terrace Deposits]	0.5
								End of Trial Pit at 0.70m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.70m TP Trial pit stable on completion.	Logger AC
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Trial Pit

TP13
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.15)		Topsoil.	
		0.30	ES			0.15		Yellow brown and orange brown silty CLAY. [River Terrace Deposits]	
						(0.45)			
						0.60			
								End of Trial Pit at 0.60m	
									0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m TP Trial pit stable on completion.	Logger AC
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Hand Pit

TP14

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-18	End Date 2025-08-18	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
						(0.15)		Topsoil.	
		0.25	ES			0.15			
		0.35	ES			(0.15)		MADE GROUND: Brown gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint and brick.	
		0.40-0.60	B			0.30			
						(0.30)		Brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine flint and chalk. [River Terrace Deposits]	0.5
		0.55	D			0.60		with gravel of chalk below 0.50m depth. (0.50m)	
								End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger ON
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Hand Pit

TP15
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-18	End Date 2025-08-18	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES			(0.30)		MADE GROUND: Grey brown gravelly clay. Gravel is subangular to subrounded fine to medium flint, limestone, mudstone and brick.	
		0.30-0.60	B			0.30			
		0.40	ES			(0.20)		MADE GROUND: Dark brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse concrete, flint, brick, charcoal-like material and mudstone.	0.5
		0.55	D			0.50			
		0.55	ES			(0.10) 0.60		Brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse flint. [River Terrace Deposits]	
								End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger ON
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Hand Pit

TP16
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-18	End Date 2025-08-18	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		MADE GROUND: Dark brown gravelly silty clay. Gravel is subangular to subrounded fine to medium mudstone, limestone, wood chips, concrete and plastic.	
		0.25	ES			0.20			
		0.40-0.60	B			(0.40)		Orange brown and brown mottled slightly gravelly silty CLAY with frequent pockets of sand. Gravel is subangular to subrounded fine ot medium flint.	
		0.50	D					[River Terrace Deposits]	0.5
						0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger ON
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Hand Pit

TP17
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-18	End Date 2025-08-18	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.30	ES			(0.15) 0.15 (0.25)		Concrete. MADE GROUND: Grey brown gravelly clay. Gravel is subangular to subrounded fine to medium flint and brick.	
		0.50 0.50-0.60 0.60	ES B D			0.40 (0.20) 0.60		Grey mottled orange brown silty CLAY with rare subangular to subrounded fine to medium gravel of flint. [River Terrace Deposits]	0.5
								End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger ON
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Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-15	End Date 2025-08-15	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (thickness) (m)	Strata							
		Depth (m)	Type/ Ref	Results			Legend	Description						
		0.25 0.40 0.40-0.50	ES ES B			(0.10)		Topsoil.	<div><div>0.5</div><div>1.0</div><div>1.5</div><div>2.0</div><div>2.5</div><div>3.0</div><div>3.5</div><div>4.0</div><div>4.5</div><div>5.0</div></div>					
						0.10		MADE GROUND: Brown slightly gravelly slightly sandy silty clay. Gravel is subangular to subrounded fine to coarse flint, brick and crystalline rock.						
						0.10								
						0.20								
						(0.30)				Brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse flint.				
						0.50		[River Terrace Deposits]						
						(0.10)		Brown silty CLAY. [River Terrace Deposits]						
						0.60								
						<div>End of Trial Pit at 0.60m</div>								

Remarks	Method, Plant, Stability, Dimensions	Logger
Trial pit dry on completion.	0.00 - 0.60m HP Trial pit stable on completion.	AW



Hand Pit

TP19

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-11	End Date 2025-08-11	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.15) 0.15		Topsoil.	
								Brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse flint. [River Terrace Deposits]	
		0.40	ES			(0.50)			0.5
		0.60	B			0.65			
								End of Trial Pit at 0.65m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.65m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP20

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-11	End Date 2025-08-11	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
						(0.15)		Topsoil.	
		0.20	ES			0.15			
						(0.15)		MADE GROUND/REWORKED: Brown slightly sandy silty clay.	
		0.35	ES			0.30			
						(0.30)		Brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse flint. [River Terrace Deposits]	0.5
		0.50	B			0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP21
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-11	End Date 2025-08-11	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.20)		Topsoil.	
		0.50 0.55-0.60	ES B			0.20 (0.40) 0.60		Brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine flint. [River Terrace Deposits]	0.5
								End of Trial Pit at 0.60m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP22

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-15	End Date 2025-08-15	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES			(0.40)		MADE GROUND: Dark brown gravelly slightly sandy silty clay. Gravel is subangular to subrounded fine to coarse brick and flint.	
		0.40-0.50	B			0.40		Brown silty CLAY. [River Terrace Deposits]	0.5
		0.55	ES			(0.20)			
						0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP23
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-11	End Date 2025-08-11	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES			(0.10) 0.10 (0.20) 0.30	 	Topsoil. MADE GROUND: Dark brown gravelly slightly sandy silty clay. Gravel is subangular to subrounded fine to coarse flint and brick with occasional glass, metal, ash and plastic	
								End of Trial Pit at 0.30m	0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks No further progress below 0.30m depth - too hard/dense for hand tools. Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.30m HP Trial pit stable on completion.	Logger AW
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[illegible]

Logger
JW



Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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[illegible]

Remarks	Method, Plant, Stability, Dimensions	Logger
Trial pit dry on completion.	0.00 - 0.60m HP Trial pit stable on completion.	JW



Hand Pit

TP26
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES			(0.40)		MADE GROUND: Brown gravelly clay. Gravel is subangular to subrounded fine to medium flint, asphalt, sandstone, wood, metal, plastic, brick and clinker-like material.	
		0.50	ES			(0.20)		Light brown mottled orange brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse sandstone and rare flint. [River Terrace Deposits]	0.5
						0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger JW
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Hand Pit

TP27

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-08	End Date 2025-08-08	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		Topsoil.	
						0.20		Orange brown silty CLAY with occasional rootlets. [River Terrace Deposits]	
		0.40	ES			(0.40)			
		0.50	D						0.5
						0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger ON
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Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-18	End Date 2025-08-18	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (thickness) (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
						(0.20)		Topsoil.	
		0.25	ES			0.20 (0.10) 0.30		Grey brown gravelly silty CLAY. Gravel is subangular to subrounded fine to medium flint. [River Terrace Deposits]	
		0.40	ES			(0.30)		Brown gravelly silty CLAY. Gravel is subangular to subrounded fine to medium flint. [River Terrace Deposits]	0.5
						0.60		becoming orange brown below 0.50m depth. (0.50m) End of Trial Pit at 0.60m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
							4.5		
							5.0		

Remarks	Method, Plant, Stability, Dimensions	Logger
Trial pit dry on completion.	0.00 - 0.60m HP Trial pit stable on completion.	ON



Hand Pit

TP29
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-18	End Date 2025-08-18	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
						(0.20)		Topsoil.	
		0.30	ES			0.20			
						(0.20)		MADE GROUND: Brown gravelly clay with occasional rootlets. Gravel is subangular to subrounded fine to coarse flint, metal, breeze block, foil and fabric.	
		0.50	ES			0.40		Orange brown gravelly silty CLAY. Gravel is subangular to subrounded fine to medium flint.	0.5
						(0.10)		[River Terrace Deposits]	
						0.50		Orange brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to medium flint.	
						(0.10)		[River Terrace Deposits]	
						0.60		End of Trial Pit at 0.60m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger ON
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Hand Pit

TP30
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-08	End Date 2025-08-08	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.10) 0.10		Topsoil.	
								Light brown mottled orange brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse sandstone and rare flint. [River Terrace Deposits]	
		0.60	ES			(0.50) 0.60			0.5
								End of Trial Pit at 0.60m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger JW
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Hand Pit

TP31
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-18	End Date 2025-08-18	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.10)		Topsoil.	
		0.20	ES			0.10		Orange brown gravelly silty CLAY with occasional rootlets. Gravel is subangular to subrounded fine to coarse flint. [River Terrace Deposits]	
						(0.50)			0.5
						0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger ON
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Hand Pit

TP32
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-26	End Date 2025-08-26	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		MADE GROUND: Brown slightly gravelly clay. Gravel is subangular to subrounded fine to medium flint, brick, metal and wood.	
						0.20		Light brown mottled orange brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse sandstone and rare flint. [River Terrace Deposits]	
		0.50	ES			(0.40)			0.5
						0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger JW
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Hand Pit

TP33
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-15	End Date 2025-08-15	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.10)		MADE GROUND: Brown and grey brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint, charcoal-like material and plastic.	
		0.20	ES			0.10			
						(0.30)		MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to medium charcoal-like material.	
		0.45	ES			0.40			
		0.50	D			(0.20)		Yellow brown and light brown silty CLAY with occasional iron staining. [River Terrace Deposits]	0.5
						0.60			
								End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger GRD
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Hand Pit

TP34

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-08	End Date 2025-08-08	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.15)		Topsoil.	
						0.15		Orange brown silty CLAY with occasional rootlets and rare subangular to subrounded fine to medium gravel of flint and mudstone.	
		0.30	ES			(0.45)		[River Terrace Deposits]	
		0.40	D			0.60		End of Trial Pit at 0.60m	
									0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger ON
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Hand Pit

TP35
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-08	End Date 2025-08-08	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.15	ES			(0.20)		Topsoil.	
		0.30	D			0.20		Orange brown silty CLAY with rare subangular to subrounded fine to medium gravel of flint and mudstone.	
		0.50	ES			(0.40)		[River Terrace Deposits]	
						0.60		End of Trial Pit at 0.60m	
									0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger ON
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Hand Pit

TP36

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-11	End Date 2025-08-11	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		Topsoil.	
						0.20			
		0.40	ES			(0.20)		MADE GROUND/REWORKED: Light brown silty clay.	
						0.40		with rare gravel of flint at 0.35m depth. (0.35m)	
		0.55	D			(0.20)		Light brown silty CLAY. [River Terrace Deposits]	0.5
						0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP37
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.10) 0.10		Topsoil.	
		0.20	ES			(0.25) 0.25		MADE GROUND: Brown slightly gravelly clay. Gravel is subangular to subrounded fine to medium flint ,plastic and clinker-like material.	
						0.35 (0.25) 0.60		Light brown mottled orange brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse sandstone and mudstone. [River Terrace Deposits]	0.5
								End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger JW
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Hand Pit

TP38
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-15	End Date 2025-08-15	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.10) 0.10		Topsoil.	
		0.30	ES			(0.35)		MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse charcoal-like material, brick and flint.	
		0.50	ES			0.45 (0.20)		Light brown silty CLAY. [River Terrace Deposits]	0.5
		0.60	D			0.65		End of Trial Pit at 0.65m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.65m HP Trial pit stable on completion.	Logger GRD
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Hand Pit

TP39
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-11	End Date 2025-08-11	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		Topsoil.	
		0.25	ES			0.20		Orange brown silty CLAY with rare subangular to subrounded fine to medium gravel of flint.	
						(0.40)		[River Terrace Deposits]	
		0.55	D			0.60		End of Trial Pit at 0.60m	
									0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger ON
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Hand Pit

TP40

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-08	End Date 2025-08-08	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES			(0.25)		Topsoil.	
		0.30	D			0.25		Orange brown silty CLAY with rare subangular to subrounded fine to medium gravel of flint and mudstone. [River Terrace Deposits]	
		0.45	ES			(0.35)			0.5
						0.60		End of Trial Pit at 0.60m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger ON
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Hand Pit

TP41
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-15	End Date 2025-08-15	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES			(0.22)		MADE GROUND: Brown slightly gravelly slightly sandy silty clay. Gravel is subangular to subrounded fine to coarse flint and brick.	
						0.22		Brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to medium flint and mudstone.	
		0.40	B			(0.38)		[River Terrace Deposits]	
		0.50	ES						0.5
						0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP42
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-15	End Date 2025-08-15	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		MADE GROUND/REWORKED: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint.	
						0.20		with rare brick fragments at 0.05m depth. (0.05m)	
		0.40	ES			(0.40)		Brown slightly gravelly silty CLAY. Gravel is subnagular to subrounded fine to coarse flint.	
								[River Terrace Deposits]	0.5
		0.55	B			0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP43
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-15	End Date 2025-08-15	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.30	ES			(0.20) 0.20 (0.40)	  	MADE GROUND/REWORKED: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint. Brown slightly gravelly silty CLAY with occasional rootlets. Gravel is subangular to subrounded fine flint. [River Terrace Deposits]	
		0.50-0.60	B			0.60			0.5
								End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP44
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-13	End Date 2025-08-13	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.30)		Topsoil.	
		0.40 0.40-0.60 0.50	ES B D			(0.30)		Orange brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to medium flint, chalk and mudstone. [River Terrace Deposits]	0.5
						0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger ON
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Hand Pit

TP45

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-13	End Date 2025-08-13	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.15	ES			(0.20)		Topsoil.	
		0.30	ES			0.20		Brown and orange brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to medium flint, mudstone and chalk. [River Terrace Deposits]	
		0.40	D			(0.40)			
		0.40-0.60	B			0.60		End of Trial Pit at 0.60m	
									0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger ON
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Hand Pit

TP46
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-13	End Date 2025-08-13	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		Topsoil.	
		0.30 0.35 0.40-0.60	D ES B			0.20		Brown and orange brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to medium flint and mudstone. [River Terrace Deposits]	
						(0.40)			
						0.60			
								End of Trial Pit at 0.60m	
									0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger ON
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Hand Pit

TP47
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-26	End Date 2025-08-26	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.15	ES			(0.30)		Topsoil. with gravel of brick at 0.10m depth. (0.10m)	
						0.30		End of Trial Pit at 0.30m	
									0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.30m HP Trial pit stable on completion.	Logger AW
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Dynamic (Windowless) Sampler

WS01
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-18	End Date 2025-08-18	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.15	ES			(0.20)		Topsoil.	
		0.30	ES			0.20		Very stiff brown and light brown slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse flint. [River Terrace Deposits]	
						(0.80)		becoming stiff below 0.50m depth. (0.50m)	0.5
		0.80	PP	100 (kPa)				Loose orange brown clayey fine to medium SAND. [River Terrace Deposits]	1.0
		0.80	D			1.00		becoming medium dense below 1.20m depth. (1.20m)	
		1.00	HV	>120 (kPa)					1.5
		1.20	D						2.0
						(2.00)		becoming loose between 2.00m and 2.20m depth. (2.00 - 2.20m)	2.5
		1.80	D					becoming dense below 2.50m depth. (2.50m)	3.0
		2.30	D						3.5
		2.70	D			3.00		End of Borehole at 3.00m	4.0
									4.5
									5.0

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole stable on completion.	Logger ON
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Dynamic (Windowless) Sampler

WS02
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-18	End Date 2025-08-18	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES			(0.30)		Topsoil.	
						0.30 (0.20)		MADE GROUND: Brown mottled orange slightly gravelly clay. Gravel is fine to coarse flint.	
		0.55	ES			0.50		Stiff, locally very stiff, brown mottled orange slightly gravelly silty CLAY with iron staining throughout. Gravel is subangular to subrounded fine to medium flint. [River Terrace Deposits]	0.5
		1.00	HV	>130 (kPa)		(0.80)			1.0
		1.00	D						
		1.10	PP	100 (kPa)					
		1.40	D			1.30		Medium dense light brown and orange brown clayey fine to medium SAND. [River Terrace Deposits]	1.5
						(1.70)			2.0
		2.30	D						2.5
								becoming slightly gravelly (flint) below 2.80m depth. (2.80m)	
		3.00	D			3.00		End of Borehole at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole stable on completion.	Logger JW
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Dynamic (Windowless) Sampler

WS03
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-18	End Date 2025-08-18	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.15	ES			(0.20)		Topsoil.	
		0.40	ES			0.20 (0.15) 0.35		MADE GROUND/REWORKED: Brown mottled orange slightly gravelly clay. Gravel is fine to coarse flint.	
		0.80	D					Stiff, locally very stiff, brown mottled orange slightly gravelly silty CLAY with iron staining throughout. Gravel is subangular to subrounded fine to medium flint. [River Terrace Deposits]	0.5
		1.00	HV	>130 (kPa)		(1.15)			1.0
		1.20	PP	100 (kPa)				becoming sandy below 1.20m depth. (1.20m)	
		1.30	D						1.5
		1.80	D			1.50		Medium dense light brown mottled orange clayey fine to medium SAND. [River Terrace Deposits]	2.0
		2.10	D			(1.50)		becoming slightly clayey below 2.20m depth. (2.20m) becoming loose below between 2.00m and 2.30m depth. (2.00 - 2.30m)	2.5
		3.00	D			3.00		End of Borehole at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole stable on completion.	Logger JW
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Dynamic (Windowless) Sampler

WS04
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-18	End Date 2025-08-18	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		Topsoil.	
		0.30	ES			0.20		Stiff, locally very stiff, brown and orange brown slightly gravelly silty CLAY with iron staining. Gravel is subangular to subrounded fine to medium flint. [River Terrace Deposits]	0.5
		0.70	D						
		1.00	HV	>130 (kPa)		(1.80)			1.0
		1.20	D						
		1.60	PP	175 (kPa)				becoming slightly sandy below 1.50m depth. (1.50m)	1.5
		1.90 1.90 2.00	PP D HV	175 (kPa) 100 (kPa)		2.00		Medium dense light brown clayey fine to medium SAND. [River Terrace Deposits]	2.0
		2.20	D			(1.00)			2.5
		3.00	D			3.00		End of Borehole at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole stable on completion.	Logger JW
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Dynamic (Windowless) Sampler

WS05
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-11	End Date 2025-08-11	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata					
		Depth (m)	Type/ Ref	Results			Legend	Description				
		0.10	ES			(0.20)		Topsoil with rare subangular to subrounded fine to medium gravel of flint.				
		0.30	ES			0.20		Stiff, locally very stiff, brown, orange brown and dark brown silty CLAY with rare subangular to subrounded fine to medium gravel and black carbonaceous material. [River Terrace Deposits]		0.5		
		0.60	PP			225 (kPa)			1.0			
		0.80	PP			225 (kPa)						
		0.90	D									
		1.00	HV			50 (kPa)						
		1.50	PP	125 (kPa)			1.5					
		1.50	D									
		1.80	PP	100 (kPa)				2.0				
		2.20	D									
		2.70	D						2.5			
							3.00	End of Borehole at 3.00m		3.0		
										3.5		
										4.0		
										4.5		
										5.0		

Remarks Groundwater recorded at 2.10m depth on completion. Standpipe installed to 3.00m depth; 3.00m to 1.00m slotted pipe with gravel surround; 1.00m to ground level plain pipe with bentonite seal; completed with gas tap and upstanding security cover.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole stable on completion.	Logger ON
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Dynamic (Windowless) Sampler

WS06
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-11	End Date 2025-08-11	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.15	ES			(0.20)		Topsoil with rare subangular to subrounded fine to medium gravel of flint.	
		0.30	ES			0.20		Stiff brown, dark brown and orange brown silty CLAY with rare subangular to subrounded fine to medium gravel of flint and black carbonaceous material. [River Terrace Deposits]	0.5
		0.60	PP	175 (kPa)					
		0.80	PP	175 (kPa)					
		0.80	D			(1.30)			
		1.00	HV	40 (kPa)				becoming locally firm at 1.00m depth. (1.00m)	1.0
		1.30	D						
		1.50	PP	150 (kPa)		1.50		Medium dense orange brown slightly gravelly silty fine to medium SAND. Gravel is subangular to subrounded fine to medium flint. [River Terrace Deposits]	1.5
		2.20	D			(1.50)		becoming locally dense at 2.00m depth. (2.00m) becoming light brown mottled below 2.00m depth. (2.00m)	2.0
		2.90	D			3.00			2.5
								End of Borehole at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole collapsed to 2.10m depth on completion.	Logger ON
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Dynamic (Windowless) Sampler

WS07

Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-15	End Date 2025-08-15	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata	
		Depth (m)	Type/ Ref	Results			Legend	Description
		0.05	ES			(0.10) 0.10		Topsoil.
						0.10 (0.50)		MADE GROUND/REWORKED: Light brown and yellow brown slightly gravelly clay. Gravel is subangular to subrounded fine to coarse flint.
		0.50	ES			0.60		Stiff, locally very stiff, brown, light brown and orange brown silty CLAY with frequent iron staining. [River Terrace Deposits]
		0.70	ES					
		0.80	PP	>225 (kPa)				
		1.00	HV	>120 (kPa)				
		1.00	D			(1.00)		
		1.30	PP	110 (kPa)				
		1.50	PP	140 (kPa)				
		1.50	D			1.60 (0.10) 1.70		
		1.65	D					Stiff orange brown and light grey sandy CLAY. [River Terrace Deposits]
								Medium dense orange brown silty fine to medium SAND with occasional black speckles. [River Terrace Deposits]
		2.30	D			(1.30)		
		2.90	D					
						3.00		
								End of Borehole at 3.00m

Remarks Borehole dry on completion. Standpipe installed to 3.00m depth; 3.00m to 1.00m slotted pipe with gravel surround; 1.00m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted flush with the ground surface.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole stable on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS08
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-15	End Date 2025-08-15	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata	
		Depth (m)	Type/ Ref	Results			Legend	Description
		0.15	ES			(0.20)		Topsoil.
		0.30	PP	>225 (kPa)		0.20 (0.25)		Very stiff light brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse flint. [River Terrace Deposits]
		0.50 0.50	PP ES	>225 (kPa)		0.45		Very stiff brown, orange brown and light brown silty CLAY with frequent iron staining. [River Terrace Deposits]
		0.80 0.80	PP D	>225 (kPa)				
		1.00	HV	>120 (kPa)		(1.15)		
		1.30 1.40 1.50	PP D PP	>225 (kPa) 160 (kPa)				with occasional subangular to subrounded fine to coarse gravel of flint below 1.20m depth. (1.20m)
		1.70	D			1.60		Medium dense orange brown silty fine to medium SAND. [River Terrace Deposits]
		2.20	D			(1.40)		
		2.80	D			3.00		becoming loose below 2.90m depth. (2.90m)
								End of Borehole at 3.00m

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole collapsed to 2.20m depth on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS09
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-11	End Date 2025-08-11	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata			
		Depth (m)	Type/ Ref	Results			Legend	Description		
						(0.05) 0.05		Gravel over, Membrane.		
		0.20	ES			(0.25) 0.30		MADE GROUND: Dark brown slightly gravelly clay. Gravel is subangular to subrounded fine to medium flint and brick.		
		0.40	ES				Stiff brown and orange brown silty CLAY with rare subangular to subrounded fine to medium gravel of flint. [River Terrace Deposits]	0.5		
		0.80	PP	125 (kPa)						
		1.00	HV	40 (kPa)				1.0		
		1.00	D			(1.70)	becoming locally firm below 1.00m depth. (1.00m)			
		1.40	PP	100 (kPa)				1.5		
		1.50	D							
		1.80	PP	100 (kPa)			becoming slightly gravelly (flint) below 1.80m depth. (1.80m)			
		2.00	HV	40 (kPa)		2.00	Medium dense orange brown slightly gravelly silty fine to medium SAND. Gravel is subangular to subrounded fine to medium flint. [River Terrace Deposits]	2.0		
2.50		D			(1.00)	becoming locally dense between 2.10m and 2.40m depth. (2.10 - 2.40m)	2.5			
							End of Borehole at 3.00m		3.0	
									3.5	
									4.0	
									4.5	
									5.0	

Remarks Groundwater at 2.88m depth on completion of standpipe installation. Standpipe installed to 3.00m depth; 3.00m to 1.00m slotted pipe with gravel surround; 1.00m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted flush with the ground surface.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole unstable below 2.00m depth on completion.	Logger ON
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Dynamic (Windowless) Sampler

WS10
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-11	End Date 2025-08-11	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
						(0.05) 0.05		Gravel over,Membrane.	
						(0.55)		MADE GROUND: Brown and orange brown silty clay with rare subangular to subrounded fine to medium gravel of flint and carbonaceous/charcoal-like material.	0.5
		0.50	ES			0.60		Stiff brown and orange brown silty CLAY.	
		0.60	PP	125 (kPa)				[River Terrace Deposits]	
		0.80	PP	125 (kPa)		(0.50)			1.0
		0.80	D						
		1.20	ES			1.10		Loose orange silty fine to medium SAND.	
								[River Terrace Deposits]	
		1.60	D					becoming medium dense below 1.40m depth. (1.40m)	1.5
						(1.90)		with rare subangular to subrounded fine to medium gravel mudstone between 2.00m and 2.50m depth. (2.00 - 2.50m)	2.0
		2.20	D						2.5
		2.80	D			3.00			3.0
								End of Borehole at 3.00m	3.5
									4.0
									4.5
									5.0

Remarks Groundwater recorded at 2.31m depth on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole stable on completion.	Logger ON
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Dynamic (Windowless) Sampler

WS11
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-11	End Date 2025-08-11	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		Topsoil with rare subangular to subrounded fine to medium gravel of flint and mudstone.	
		0.40	ES			(0.30)		MADE GROUND: Brown and orange brown silty clay with rare subangular to subrounded fine to medium gravel of glass and charcoal-like material.	
		0.60	ES			0.50		Stiff brown and orange brown slightly sandy silty CLAY with rare subangular to subrounded fine to medium gravel of flint and carbonaceous material. [River Terrace Deposits]	0.5
		0.80	PP	175 (kPa)					
		1.00	HV	40 (kPa)				becoming locally firm below 1.00m depth. (1.00m)	1.0
		1.20	PP	150 (kPa)		(1.30)			
		1.50	D						1.5
		1.60	PP	150 (kPa)					
		2.00	D			1.80		Dense orange brown slightly gravelly silty clayey fine to medium SAND. Gravel is subangular to subrounded fine to medium sand and carbonaceous material. [River Terrace Deposits] with no clay content below 2.00m depth. (2.00m)	2.0
		2.60	D			(1.20)		becoming medium dense below 2.40m depth. (2.40m)	2.5
						3.00		End of Borehole at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole collapsed to 1.85m depth on completion.	Logger ON
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Dynamic (Windowless) Sampler

WS12
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-08	End Date 2025-08-08	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.15	ES			(0.30)		MADE GROUND/REWORKED: Brown and light brown slightly gravelly silty clay with occasional black speckles. Gravel is subangular to subrounded fine to coarse flint.	
		0.40	ES			0.30		Stiff, locally very stiff, brown, light brown and orange brown silty CLAY with frequent iron staining.	
		0.50	PP	140 (kPa)				[River Terrace Deposits]	0.5
		0.80	PP	175 (kPa)					
		0.90	D						
		1.00	HV	>120 (kPa)		(1.55)		becoming stiff below 1.00m depth. (1.00m)	1.0
		1.30	PP	125 (kPa)					
		1.30	D					becoming slightly gravelly and slightly sandy below 1.30m depth. Gravel is subangular to subrounded fine flint. (1.30m)	
		1.50	PP	100 (kPa)					1.5
		1.80	PP	75 (kPa)					
		1.90	D			1.85		Dense orange brown clayey fine to coarse SAND.	
						(0.25)		[River Terrace Deposits]	2.0
		2.20	D			2.10		Dense brown silty fine to medium SAND.	
								[River Terrace Deposits]	
		2.90	D			(0.90)		becoming medium dense below 2.70m depth. (2.70m)	2.5
						3.00		End of Borehole at 3.00m	3.0

Remarks Borehole dry on completion. Standpipe installed to 3.00m depth; 3.00m to 1.00m slotted pipe with gravel surround; 1.00m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted flush with the ground surface.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole stable on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS13
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-08	End Date 2025-08-08	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata	
		Depth (m)	Type/ Ref	Results			Legend	Description
		0.05	ES			(0.30)		MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint, sandstone and charcoal-like material.
		0.35	PP	>225 (kPa)		0.30		Very stiff brown, light brown and orange brown slightly sandy silty CLAY with frequent iron staining. [River Terrace Deposits]
		0.35	ES					
		0.50	PP	>225 (kPa)				
		0.80	PP	>225 (kPa)		(1.25)		
		0.80	D					
		1.00	HV	>120 (kPa)				
		1.10	D					
		1.30	PP	>225 (kPa)				
		1.50	PP	175 (kPa)		1.55		
		1.60	D			(0.15)		
						1.70		
								Medium dense brown and orange brown silty fine to medium SAND with occasional iron staining. [River Terrace Deposits] <i>becoming dense between 1.90m and 2.20m depth. (1.90 - 2.20m)</i>
		2.10	D			(1.30)		
		2.80	D			3.00		<i>End of Borehole at 3.00m</i>

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole collapsed to 2.35m depth on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS14
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-05	End Date 2025-08-05	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.10) 0.10		MADE GROUND: Grey sandy silty subangular to subrounded fine to coarse gravel of crystalline rock and flint.	
		0.30	ES			(0.40)		MADE GROUND: Dark brown gravelly clay. Gravel is subangular to subrounded fine to coarse concrete, flint, charcoal-like material, brick and sandstone.	
		0.55 0.60	PP D	210 (kPa)		0.50		Stiff, locally very stiff, brown and light brown CLAY with occasional iron staining. [River Terrace Deposits]	0.5
		0.80	PP	75 (kPa)				becoming stiff below 0.80m depth. (0.80m)	
		1.00	HV	>120 (kPa)					1.0
		1.25 1.30	D PP	60 (kPa)		(1.40)		becoming slightly sandy and slightly gravelly below 1.25m depth. (1.25m)	
		1.50	PP	90 (kPa)				becoming locally firm below 1.30m depth. (1.30m)	1.5
		1.75 1.80	D PP	60 (kPa)					
						1.90		Dense orange brown silty fine to medium SAND. [River Terrace Deposits]	2.0
								becoming medium dense below 2.10m depth. (2.10m)	
		2.40	D			(1.10)			2.5
		2.90	D			3.00		becoming brown below 2.90m depth. (2.90m)	3.0
								End of Borehole at 3.00m	
									3.5
									4.0
									4.5
									5.0

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole stable on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS15
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-05	End Date 2025-08-05	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata	
		Depth (m)	Type/ Ref	Results			Legend	Description
		0.10	ES			(0.20)		MADE GROUND: Dark brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint, glass and charcoal-like material.
						0.20 (0.10) 0.30		Very stiff brown silty CLAY with red brown staining. [River Terrace Deposits]
								Stiff light brown, orange brown and brown slightly gravelly slightly sandy silty CLAY. Gravel is subangular to subrounded fine to medium flint. [River Terrace Deposits]
		0.70	D					
		0.80	PP	90 (kPa)		(1.10)		
		1.00	HV	>120 (kPa)				
		1.30	PP	90 (kPa)				
		1.30	D			1.40		Loose orange brown clayey fine to medium SAND. [River Terrace Deposits]
						(0.60)		
		1.80	D					becoming medium dense below 1.80m depth. (1.80m)
						2.00		Medium dense light brown silty fine to medium SAND. [River Terrace Deposits]
		2.20	D					
						(1.00)		
		2.80	D			3.00		
								End of Borehole at 3.00m

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole collapsed to 2.00m depth on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS16
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.15	ES			(0.35)		MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse glass, flint and rare brick.	
		0.30	PP	>225 (kPa)		0.35		Very stiff brown, light brown and orange brown silty CLAY with frequent iron staining. [River Terrace Deposits]	0.5
		0.40	D						
		0.50	PP	>225 (kPa)		(0.65)		Stiff brown, orange brown and light brown slightly sandy silty CLAY. [River Terrace Deposits]	1.0
		0.80	PP	>225 (kPa)		1.00		Dense orange and light brown silty fine to medium SAND. [River Terrace Deposits]	1.5
		0.80	D						
		1.00	HV	>120 (kPa)		1.60		becoming locally very dense at 2.00m depth. (2.00m)	2.0
		1.10	D			(1.40)		becoming brown grey below 2.55m depth. (2.55m)	2.5
		1.30	PP	160 (kPa)				becoming medium dense below 2.80m depth. (2.80m)	3.0
		1.50	PP	140 (kPa)		3.00		End of Borehole at 3.00m	
		1.50	D						
		2.00	D						
		2.80	D						

Remarks Borehole dry on completion. Standpipe installed to 2.40m depth; 2.40m to 1.40m slotted pipe with gravel surround; 1.40m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted flush with the ground surface.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole collapsed to 2.50m depth on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS17

Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-08	End Date 2025-08-08	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.20)		MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint and charcoal-like material.	
		0.30 0.30	PP ES	>225 (kPa)		0.20 (0.30)		MADE GROUND/REWORKED: Light brown and yellow brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint and chalk.	
		0.50 0.55	PP ES	>225 (kPa)		0.50		Stiff, locally very stiff, brown light brown and orange brown slightly sandy silty CLAY with frequent iron staining. [River Terrace Deposits]	0.5
		0.90 1.00 1.00	PP HV D	>225 (kPa) >120 (kPa)		(1.35)			1.0
		1.30	PP	140 (kPa)					
		1.50 1.50	PP D	100 (kPa)					1.5
		1.90 1.90	PP D	125 (kPa)		1.85 (0.15) 2.00		Medium dense brown clayey fine to medium SAND. [River Terrace Deposits]	2.0
		2.40	D			(1.00)		Medium dense orange brown silty fine to medium SAND. [River Terrace Deposits]	2.5
		2.90	D			3.00		End of Borehole at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole collapsed to 2.30m depth on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS18
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-08	End Date 2025-08-08	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		MADE GROUND: Brown silty clay with rare subangular to subrounded fine to coarse gravel of flint.	
		0.25	ES			0.20		MADE GROUND/REWORKED: Light brown and yellow brown with occasional black speckling silty clay.	
		0.30	PP	>225 (kPa)		(0.35)			
		0.50	PP	>225 (kPa)		0.55		Very stiff brown, orange brown and light brown slightly sandy silty CLAY with frequent iron staining. [River Terrace Deposits]	0.5
		0.60	ES						
		0.80	PP	>225 (kPa)					
		0.90	D						
		1.00	HV	>120 (kPa)		(1.10)		becoming slightly gravelly between 1.10m and 1.65m depth. Gravel is subangular to subrounded fine to coarse flint. (1.10 - 1.65m)	1.0
		1.30	PP	160 (kPa)					
		1.40	D						
		1.50	PP	150 (kPa)					1.5
		1.70	D			1.65 (0.10) 1.75		Medium dense orange brown and light brown clayey fine to medium SAND. [River Terrace Deposits]	
		2.00	D					Medium dense brown and dark brown silty fine to medium SAND. [River Terrace Deposits]	2.0
						(1.25)		becoming brown below 2.60m depth. (2.60m)	2.5
		2.80	D						
						3.00		End of Borehole at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Borehole dry on completion	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole collapsed to 2.40m depth on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS19
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-08	End Date 2025-08-08	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		MADE GROUND: Brown silty clay with rare subangular to subrounded fine to coarse gravel of flint.	
		0.25	ES			0.20		Very stiff light brown, brown and orange brown slightly gravelly slightly sandy silty CLAY with frequent iron staining. Gravel is subangular to subrounded fine flint. [River Terrace Deposits]	
		0.30	PP	>225 (kPa)					
		0.50	PP	>225 (kPa)					0.5
		0.70	D						
		0.80	PP	>225 (kPa)		(1.25)			
		1.00	HV	>120 (kPa)				becoming locally firm and stiff below 1.00m depth. (1.00m)	1.0
		1.20	D						
		1.30	PP	>225 (kPa)					
						1.45 (0.10)		Medium dense orange brown clayey fine to medium SAND. [River Terrace Deposits]	1.5
						1.55			
		1.80	D					Medium dense orange brown silty fine to medium SAND. [River Terrace Deposits]	2.0
		2.30	D			(1.45)			2.5
		2.70	D						3.0
						3.00		End of Borehole at 3.00m	3.5
									4.0
									4.5
									5.0

Remarks Borehole dry on completion. Standpipe installed to 3.00m depth; 3.00m to 1.00m slotted pipe with gravel surround; 1.00m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted flush with the ground surface.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole stable on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS20

Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-05	End Date 2025-08-05	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES			(0.40)		MADE GROUND: Dark brown gravelly sandy clay. Gravel is subangular to subrounded fine to coarse concrete, flint, brick and charcoal-like material.	
		0.50	PP	>225 (kPa)		0.40		Stiff, varying very stiff, brown, light brown and light grey slightly sandy silty CLAY with occasional iron staining. [River Terrace Deposits]	0.5
		0.50	D						
		0.80	PP	>225 (kPa)					
		1.00	HV	>120 (kPa)					1.0
		1.10	D			(1.60)		with occasional subangular to subrounded fine to coarse gravel of flint below 1.00m depth. (1.00m)	
		1.30	PP	85 (kPa)					
		1.50	PP	150 (kPa)					1.5
		1.70	D						
		1.80	PP	75 (kPa)				becoming sandy below 1.80m depth. (1.80m)	
						2.00		Medium dense orange brown silty fine to medium SAND. [River Terrace Deposits]	2.0
		2.10	D			(1.00)		becoming light brown below 2.45m depth. (2.45m)	2.5
		2.70	D			3.00		End of Borehole at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole collapsed to 2.00m depth on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS21

Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-05	End Date 2025-08-05	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		Topsoil.	
		0.30	PP	>225 (kPa)		0.20		Very stiff brown and light brown silty CLAY with frequent iron staining. [River Terrace Deposits]	
		0.40	D						
		0.50	PP	>225 (kPa)					0.5
						(0.90)			
		0.80	PP	200 (kPa)					
		0.80	D						
		1.00	HV	>120 (kPa)				becoming stiff below 0.90m depth. (0.90m)	1.0
						1.10		Stiff brown, light grey and orange brown silghtly sandy CLAY with occasional iron staining. [River Terrace Deposits]	
		1.20	D						
		1.30	PP	125 (kPa)					
		1.50	PP	90 (kPa)		(0.90)			1.5
		1.80	PP	60 (kPa)				becoming sandy below 1.70m depth. (1.70m)	
		1.90	D					becoming locally firm at 1.80m depth. (1.80m)	
		2.00	HV	>120 (kPa)		2.00		with subangular to subrounded fine to medium gravel of flint between 1.85m and 2.00m depth. (1.85 - 2.00m)	2.0
								with heavy iron staining and gravel of ironstone between 1.95m and 2.00m depth (1.95 - 2.00m)	
		2.20	D					Medium dense orange brown silty fine to medium SAND. [River Terrace Deposits]	
						(1.00)			2.5
								becoming light brown below 2.55m depth. (2.55m)	
		2.80	D					becoming loose to medium dense between 2.60m and 2.90m depth. (2.60 - 2.90m)	
						3.00		End of Borehole at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole collapsed to 2.20m depth on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS22
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-05	End Date 2025-08-05	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata	
		Depth (m)	Type/ Ref	Results			Legend	Description
		0.05	ES			(0.10) 0.10		MADE GROUND/REWORKED: Brown slightly gravelly silty clay with occasional black speckles. Gravel is medium flint and fine chalk.
		0.30	PP	>225 (kPa)				Very stiff brown, light brown and orange brown slightly sandy silty CLAY with occasional iron staining.
		0.30	D					[River Terrace Deposits]
		0.50	PP	>225 (kPa)				
						(1.25)		becoming stiff below 0.80m depth. (0.80m)
		0.80	PP	150 (kPa)				
		0.90	D					
		1.00	HV	>120 (kPa)				with occasional gravel of flint below 1.00m depth. (1.00m)
		1.30	PP	90 (kPa)		1.35		Medium dense orange brown and light brown gravelly clayey fine to medium SAND with occasional pockets/lenses of sandy clay. Gravel is subangular to subrounded fine to coarse flint.
		1.40	D			(0.65)		[River Terrace Deposits]
		1.80	D			2.00		Medium dense orange brown silty fine to medium SAND.
								[River Terrace Deposits]
		2.30	D			(1.00)		
		2.90	D			3.00		
							End of Borehole at 3.00m	

Remarks Borehole dry on completion. Standpipe installed to 3.00m depth; 3.00m to 1.00m slotted pipe with gravel surround; 1.00m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted flush with the ground surface.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole stable on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS23
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		Topsoil.	
		0.30	PP	100 (kPa)		0.20		Stiff brown, light brown and orange brown slightly sandy CLAY with occasional iron staining. [River Terrace Deposits]	
		0.50	PP	140 (kPa)					0.5
		0.60	D						
		0.80	PP	140 (kPa)					
		1.00	HV	>120 (kPa)		(1.40)			1.0
		1.00	D						
		1.30	PP	90 (kPa)					
		1.50	PP	40 (kPa)				with subangular to subrounded fine to coarse gravel of flint below 1.35m depth. (1.35m) becoming locally firm at 1.50m depth. (1.50m)	1.5
		1.55	D			1.60		Medium dense orange brown silty fine to medium SAND. [River Terrace Deposits]	
								becoming orange brown and light brown mottled below 2.00m depth. (2.00m)	2.0
		2.30	D			(1.40)		becoming dense between 1.80m and 2.40m depth. (1.80 - 2.40m)	2.5
		2.90	D			3.00		End of Borehole at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole collapsed to 2.20m depth on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS24
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.15) 0.15		MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse charcoal-like material and plastic.	
		0.30	PP	>225 (kPa)				Stiff, locally very stiff, brown and light brown CLAY. [River Terrace Deposits]	
		0.50	PP	>225 (kPa)					0.5
		0.70	D						
		0.80	PP	210 (kPa)	(1.30)			with rare gravel of flint up to 0.80m depth. (0.80m)	
		1.00	HV	>120 (kPa)				becoming orange brown below 0.80m depth. (0.80m)	1.0
		1.20	D						
		1.30	PP	225 (kPa)					
		1.50	D			1.45 (0.15) 1.60		Medium dense orange brown clayey fine to medium SAND. [River Terrace Deposits]	1.5
								Dense brown and orange brown silty fine to medium SAND. [River Terrace Deposits]	
		2.10	D					becoming locally very dense at 2.00m depth. (2.00m)	2.0
						(1.40)			
									2.5
		2.70	D					becoming medium dense below 2.80m depth. (2.80m)	
						3.00		End of Borehole at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole collapsed to 2.40m depth on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS25
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata	
		Depth (m)	Type/ Ref	Results			Legend	Description
		0.30	ES			(0.60)		MADE GROUND/REWORKED: Brown and light brown, with black speckling, slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint.
		0.75	D			0.60		Stiff, varying very stiff, brown, light brown and orange brown silty CLAY with frequent iron staining.
		0.80	PP	>225 (kPa)				[River Terrace Deposits]
		1.00	HV	>120 (kPa)		(0.90)		with occasional subangular to subrounded fine to medium gravel of flint between 1.00m and 1.50m depth. (1.00 - 1.50m)
		1.30	PP	100 (kPa)				
		1.30	D					
		1.45	PP	125 (kPa)				
		1.55	D			1.50 (0.10) 1.60		Medium dense orange brown clayey fine to medium SAND.
								[River Terrace Deposits]
		1.80	D					Medium dense orange brown silty fine to medium SAND.
						(1.40)		[River Terrace Deposits]
								becoming dense below 1.70m depth. (1.70m)
		2.60	D					becoming medium dense below 2.50m depth. (2.50m)
						3.00		
								End of Borehole at 3.00m

Remarks Borehole dry on completion. Standpipe installed to 2.90m depth; 2.90m to 0.90m slotted pipe with gravel surround; 0.90m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted flush with the ground surface.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole collapsed to 2.90m depth on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS26
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-06	End Date 2025-08-06	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.15	ES			(0.25)		Topsoil.	
		0.30	PP	75 (kPa)		0.25		Stiff, locally very stiff, brown, light brown and orange brown silty CLAY with iron staining. [River Terrace Deposits]	0.5
		0.50	PP	>225 (kPa)					
		0.60	D						
		0.80	PP	>225 (kPa)					
		1.00	HV	>120 (kPa)		(1.65)		with pockets of sand below 1.00m depth. (1.00m)	1.0
		1.20	D						
		1.30	PP	160 (kPa)					
		1.50	PP	160 (kPa)					1.5
		1.80	PP	140 (kPa)		1.90		becoming slightly gravelly towards base. Gravel is subangular to subrounded fine to coarse flint. (1.80 - 1.90m)	2.0
		1.80	D					Medium dense orange brown silty fine to medium SAND. [River Terrace Deposits]	
		2.30	D			(1.10)			2.5
		2.90	D			3.00		End of Borehole at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Borehole dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole collapsed to 2.20m depth on completion.	Logger GRD
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Borehole Log

WS27

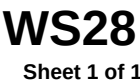
Sheet 1 of 1

Hole Type BH	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-15	End Date 2025-08-15	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES					MADE GROUND/REWORKED: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint.	
		0.15-0.45	P	Blows: 13		(0.40)			
		0.35	ES			0.40		Stiff brown, orange brown and light brown slightly sandy silty CLAY with frequent iron staining. [River Terrace Deposits]	
		0.45-0.75	P	Blows: 20					0.5
		0.50	HV	>120 (kPa)					
		0.70	D						
		0.75-0.90	P*	Blows: 12		(0.90)			
		1.00	HV	>120 (kPa)					1.0
		1.15-1.45	P	Blows: 22					
		1.20	D						
		1.30	HV	>120 (kPa)		1.30		End of Borehole at 1.30m	
		1.45-1.75	P	Blows: 30					1.5
		1.75-1.90	P*	Blows: 14					2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks No further progress below 1.30m depth - too hard/dense for hand auger. Borehole dry on completion. P* - Blow count for 150mm penetration only.	Method, Plant, Stability, Dimensions 0.00 - 1.30m HA Borehole stable on completion.	Logger GRD
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.00-0.05 0.10 0.15-0.45	ES P	Blows: 8		(0.05) 0.05		Topsoil.	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></d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Method, Plant, Stability, Dimensions	Logger
0.00 - 1.40m HA	GRD
Borehole stable on completion.	



Dynamic (Windowless) Sampler

WS29
Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-15	End Date 2025-08-15	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.60)		MADE GROUND/REWORKED: Light brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint.	0.5
		0.50	ES			0.60		Very stiff brown, light brown and orange brown silty CLAY with frequent iron staining. [River Terrace Deposits]	
		0.90	PP	>225 (kPa)		(0.95)		Medium dense orange brown slightly gravelly very clayey fine to medium SAND. Gravel is subangular to subrounded coarse flint. [River Terrace Deposits]	1.0
		0.90	D						
		1.00	HV	>120 (kPa)					
		1.20	D						
		1.30	PP	225 (kPa)					
		1.50	PP	200 (kPa)		1.55			1.5
		1.80	D			(1.45)			2.0
		2.30	D						2.5
		2.90	D			3.00			3.0
								End of Borehole at 3.00m	3.5
									4.0
									4.5
									5.0

Remarks Borehole dry on completion. Standpipe installed to 3.00m depth; 3.00m to 1.00m slotted pipe with gravel surround; 1.00m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted flush with the ground surface.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole stable on completion.	Logger GRD
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Borehole Log

WS30

Sheet 1 of 1

Hole Type BH	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-13	End Date 2025-08-13	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.00-0.05	ES			(0.05) 0.05		Topsoil.	
		0.15-0.45 0.20	P ES	Blows: 21		(0.25)		MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint, chalk and rare brick.	
		0.40 0.40	HV ES	>120 (kPa)		0.30 (0.05) 0.35		Stiff yellow brown silty CLAY. [River Terrace Deposits]	
		0.45-0.75 0.60	P HV	Blows: 25 >120 (kPa)				Stiff brown, light brown and orange brown silty CLAY with frequent iron staining. [River Terrace Deposits]	0.5
		0.75-0.95 0.80	P* D	Blows: 20		(0.95)			
		1.05	HV	>120 (kPa)					1.0
		1.15-1.45 1.20	P D	Blows: 32					
		1.30	HV	>120 (kPa)		1.30			
		1.45-1.60	P*	Blows: 31				End of Borehole at 1.30m	1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks No further progress below 1.30m depth - too hard/dense for hand auger. Borehole dry on completion. P* - Perth test at 0.75m: blow count for 200mm penetration only. Perth test at 1.45m: blow count for 150mm penetration only.	Method, Plant, Stability, Dimensions 0.00 - 1.30m HA Borehole stable on completion.	Logger GRD
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Dynamic (Windowless) Sampler

WS31

Sheet 1 of 1

Hole Type WLS	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-13	End Date 2025-08-13	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata	
		Depth (m)	Type/ Ref	Results			Legend	Description
		0.15	ES			(0.25)		MADE GROUND: Grey brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint and brick.
		0.30	PP	>225 (kPa)		0.25		with cobble of brick below 0.20m depth. (0.20m)
		0.40	ES					Stiff, locally very stiff, brown, light brown and orange brown silty CLAY with frequent iron staining.
		0.50	PP	>225 (kPa)				[River Terrace Deposits]
						(0.90)		
		0.80	PP	175 (kPa)				
		0.90	D					
		1.00	HV	>120 (kPa)				
		1.20	D			1.15		Stiff, locally very stiff, light grey, light brown and orange brown slightly gravelly slightly sandy CLAY with occasional iron staining. Gravel is subangular to subrounded fine to coarse flint.
		1.30	PP	150 (kPa)		(0.20)		[River Terrace Deposits]
						1.35		Medium dense brown and orange brown silty fine to medium SAND with occasional iron staining.
								[River Terrace Deposits]
		1.80	D					
						(1.65)		becoming brown with no iron staining below 2.00m depth. (2.00m)
		2.30	D					
		2.90	D					becoming loose to medium dense below 2.90m depth. (2.90m)
						3.00		
								End of Borehole at 3.00m

Remarks Borehole dry on completion. Standpipe installed to 3.00m depth; 3.00m to 1.00m slotted pipe with gravel surround; 1.00m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted flush with the ground surface.	Method, Plant, Stability, Dimensions 0.00 - 3.00m WLS Borehole stable on completion.	Logger GRD
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Borehole Log

WS32
Sheet 1 of 1

Hole Type BH	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-13	End Date 2025-08-13	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.15)		MADE GROUND/REWORKED: Brown and light brown slightly gravelly silty clay with rare black speckles. Gravel is subangular to subrounded fine to coarse flint.	
		0.15-0.45	P	Blows: 15		0.15			
		0.40	HV	>120 (kPa)				Stiff brown, light brown and orange brown slightly gravelly silty CLAY with frequent iron staining. Gravel is subangular to subrounded fine to medium flint.	
		0.40	D						
		0.45-0.75	P	Blows: 22				[River Terrace Deposits]	0.5
		0.60	ES			(0.95)			
		0.75-0.90	P*	Blows: 13					
		0.80	HV	>120 (kPa)					
		1.00	HV	>120 (kPa)					1.0
		1.10-1.40	P	Blows: 24		1.10		with gravel of flint at base.	
								End of Borehole at 1.10m	
		1.40-1.70	P	Blows: 33					1.5
		1.70-1.95	P*	Blows: 34					2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks No further progress below 1.10m depth - too gravelly. Borehole dry on completion. P* - Perth test at 0.75m: blow count for 150mm penetration only. Perth test at 1.7m: blow count for 250mm penetration only.	Method, Plant, Stability, Dimensions 0.00 - 1.10m HA Borehole stable on completion.	Logger GRD
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Borehole Log

WS33
Sheet 1 of 1

Hole Type BH	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-08-13	End Date 2025-08-13	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.00-0.05	ES			(0.05) 0.05		Topsoil.	
		0.15-0.45	P	Blows: 20		(0.35)		MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint and rare brick.	
		0.30	ES			0.40			
		0.45-0.75	P	Blows: 22				Stiff brown, light brown and orange brown silty CLAY with frequent iron staining.	0.5
		0.60	HV	>120 (kPa)				[River Terrace Deposits]	
		0.75-0.95	P*	Blows: 19					
		0.90	D			(1.10)			1.0
		1.00	HV	>120 (kPa)					
		1.15-1.45	P	Blows: 22					
		1.40	D					with rare subangular to subrounded fine to coarse gravel of flint below 1.30m depth. (1.30m)	1.5
		1.45	HV	>120 (kPa)		1.50			
		1.45-1.75	P	Blows: 30				End of Borehole at 1.50m	
		1.75-1.95	P*	Blows: 27					2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks No further progress below 1.50m depth - too hard/dense for hand auger. Borehole dry on completion. P* - Blow count for 200mm penetration only.	Method, Plant, Stability, Dimensions 0.00 - 1.50m HA Borehole stable on completion.	Logger GRD
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Hand Pit

TP101
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		MADE GROUND: Brown slightly gravelly silty clay. Gravel is fine to medium flint, brick and clinker-like material.	
						0.20		Yellow brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse flint. [River Terrace Deposits]	
						(0.30)			
						0.50			
								End of Trial Pit at 0.50m	0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.50m HP Trial pit stable on completion.	Logger JW
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Hand Pit

TP102
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.25)		MADE GROUND: Yellow brown sandy clay.	
		0.30	ES			0.25		Brown and orange brown silty CLAY. [River Terrace Deposits]	
						(0.35)			0.5
						0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP103

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES			(0.40)		MADE GROUND: Brown slightly gravelly clay. Gravel is subangular to subrounded fine to coarse flint.	
		0.35	ES			0.40		Yellow brown mottled orange brown silty CLAY. [River Terrace Deposits]	0.5
						(0.25)			
						0.65		End of Trial Pit at 0.65m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.65m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP104
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.25)		MADE GROUND: Brown slightly gravelly slightly sandy silty clay. Gravel is subangular to subrounded fine to coarse flint.	
						0.25		Orange brown silty CLAY.	
						(0.35)		[River Terrace Deposits]	
		0.50	ES			0.60			0.5
								End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP105

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.15)		Topsoil.	
						0.15			
		0.25	ES			(0.15)		MADE GROUND: Brown slightly sandy silty clay.	
						0.30			
						(0.30)		Yellow brown mottled orange brown CLAY. [River Terrace Deposits]	0.5
						0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP106
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES			(0.20) 0.20		Topsoil.	
		0.50	ES			(0.35) 0.55 (0.05) 0.60		MADE GROUND: Brown slightly gravelly silty clay. Gravel is fine to coarse sandstone, flint and clinker-like material.	0.5
								Yellow brown slightly gravelly silty CLAY with very fine roots and rootlets. Gravel is subangular to subrounded fine to coarse flint. [River Terrace Deposits]	
								End of Trial Pit at 0.60m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger JW
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Hand Pit

TP107
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.15)		Topsoil.	
		0.20	ES			0.15		MADE GROUND: Brown slightly gravelly silty clay. Gravel is fine to coarse flint and charcoal-like material.	
						(0.15)			
						0.30		Yellow brown slightly gravelly silty CLAY. Gravel is fine to coarse flint. [River Terrace Deposits]	
						(0.20)			
						0.50			
								End of Trial Pit at 0.50m	0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.50m HP Trial pit stable on completion.	Logger JW
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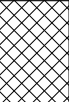
Hand Pit

TP108

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.35)		MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fne to coarse flint.	
		0.45	ES			(0.25)		Brown mottled orange brown CLAY. [River Terrace Deposits]	0.5
						0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP109
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.15) 0.15		MADE GROUND: Brown slightly gravelly silty clay. Gravel is fine to coarse flint, charcoal-like material and brick.	
						(0.35) 0.50		Orange brown and yellow brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse flint. [River Terrace Deposits]	
								End of Trial Pit at 0.50m	0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.50m HP Trial pit stable on completion.	Logger JW
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Hand Pit

TP110
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.25)		MADE GROUND: Brown and dark brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint, glass, brick and plastic.	
						0.25		Brown with occasional yellow brown mottling silty CLAY.	
						(0.30)		[River Terrace Deposits]	
						0.55		End of Trial Pit at 0.55m	0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.55m HP Trial pit stable on completion.	Logger GRD
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Hand Pit

TP111
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.15	ES			(0.30)		MADE GROUND: Dark brown slightly gravelly silty clay. Gravel is fine to medium flint, glass, clinker-like material and brick.	
						0.30		Orange brown light brown slightly gravelly silty CLAY. Gravel is fine to coarse flint.	
						(0.30)		[River Terrace Deposits]	0.5
						0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger JW
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Hand Pit

TP112
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.04) 0.04 (0.06) 0.10 (0.35) 0.45	<div><div></div><div>x x</div><div>x x</div><div>x x</div><div>x x</div><div>x x</div></div>	<div>Topsoil.</div> <div>MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint and charcoal-like material.</div> <div>Brown silty CLAY. [River Terrace Deposits]</div> <div>End of Trial Pit at 0.45m</div>	<div>0.5</div> <div>1.0</div> <div>1.5</div> <div>2.0</div> <div>2.5</div> <div>3.0</div> <div>3.5</div> <div>4.0</div> <div>4.5</div> <div>5.0</div>

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.45m HP Trial pit stable on completion.	Logger GRD
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Hand Pit

TP113
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.25)		MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint and brick.	
						0.25		Brown silty CLAY with occasional orange brown staining. [River Terrace Deposits]	
						(0.30)			
						0.55			
								End of Trial Pit at 0.55m	
									0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.55m HP Trial pit stable on completion.	Logger GRD
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Hand Pit

TP114
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.10) 0.10		MADE GROUND: Brown slightly gravelly silty clay. Gravel is fine to coarse flint, charcoal-like material and clinker-like material.	
						(0.40)		Light brown slightly gravelly slightly sandy CLAY. Gravel is fine to coarse flint. [River Terrace Deposits]	
						0.50		End of Trial Pit at 0.50m	0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.50m HP Trial pit stable on completion.	Logger JW
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Hand Pit

TP115
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.25	ES			(0.40)		MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint, charcoal-like material and brick.	
						0.40 (0.20)		Brown silty CLAY. [River Terrace Deposits]	0.5
						0.60		End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger GRD
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Hand Pit

TP116
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.00	ES 0.05			(0.05)		Topsoil.	
		0.15	ES			(0.20)		MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint, charcoal-like material, crystalline rock and brick.	
						(0.25)			
						(0.25)		Brown occasional orange brown mottling silty CLAY.	
						0.50		[River Terrace Deposits]	0.5
								End of Trial Pit at 0.50m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.50m HP Trial pit stable on completion.	Logger GRD
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Hand Pit

TP117
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.15	ES			(0.25)		MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to medium charcoal-like material, brick and flint.	
						0.25		Yellow brown and brown mottled silty CLAY.	
						(0.30)		[River Terrace Deposits]	
						0.55		End of Trial Pit at 0.55m	0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.55m HP Trial pit stable on completion.	Logger GRD
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Hand Pit

TP118

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES			(0.30)		MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint, brick and charcoal-like material.	
						0.30		Brown silty CLAY.	
						(0.20)		[River Terrace Deposits]	
						0.50		End of Trial Pit at 0.50m	0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.50m HP Trial pit stable on completion.	Logger GRD
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Hand Pit

TP119
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.25)		MADE GROUND: Dark brown gravelly slightly sandy silty clay. Gravel is subangular to subrounded fine to medium flint, brick, glass and clinker-like material.	
						0.25		Orange brown and yellow brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse flint. [River Terrace Deposits]	
						(0.25)			
						0.50			
								End of Trial Pit at 0.50m	0.5
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.50m HP Trial pit stable on completion.	Logger JW
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Hand Pit

TP120
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.25)		MADE GROUND: Brown gravelly silty clay. Gravel is subangular to subrounded fine to coarse glass.	
		0.30	ES			0.25 (0.20)		Made Ground: Brown mottled orange brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse glass.	
		0.40	ES			0.45 (0.15) 0.60		Orange brown silty CLAY. [River Terrace Deposits]	0.5
								End of Trial Pit at 0.60m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.60m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP121
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.05	ES			(0.10) 0.10		Topsoil.	
		0.25	ES			(0.40) 0.40		MADE GROUND: Brown slightly gravelly silty clay. Gravel is subangular to rounded fine to coarse flint and charcoal-like material.	
		0.55	ES			0.50 (0.50) 0.50		Orange brown and brown silty CLAY. [River Terrace Deposits]	0.5
		0.95	ES			1.00		End of Trial Pit at 1.00m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 1.00m HP Trial pit stable on completion.	Logger GRD
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Hand Pit

TP122
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.20)		MADE GROUND: Dark brown gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint and brick.	
		0.35	ES			(0.25)		MADE GROUND: Brown light brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to medium flint and brick.	
		0.70	ES			0.45		Brown and orange brown silty CLAY. [River Terrace Deposits]	0.5
						(0.55)			
						1.00			1.0
								End of Trial Pit at 1.00m	
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 1.00m HP Trial pit stable on completion.	Logger GRD
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Hand Pit

TP123

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES			(0.40)		MADE GROUND: Brown slightly sandy silty clay.	
		0.50	ES			(0.20)		MADE GROUND: Yellow brown mottled orange slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint.	0.5
		0.85	ES			(0.40)		Yellow brown orange brown mottled silty CLAY. [River Terrace Deposits]	
						1.00		End of Trial Pit at 1.00m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 1.00m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP124

Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.15)		Topsoil.	
						0.15			
		0.40	ES			(0.30)		MADE GROUND: Brown and dark brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint and brick.	
						0.45		Orange brown silty CLAY. [River Terrace Deposits]	0.5
						(0.55)			
		0.85	ES			1.00			
								End of Trial Pit at 1.00m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 1.00m HP Trial pit stable on completion.	Logger GRD
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Hand Pit

TP125
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) <small>(thickness)</small>	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.60)		MADE GROUND: Brown gravelly sandy silty clay. Gravel is subangular to subrounded fine to coarse flint, brick and concrete.	0.5
		0.70	ES			0.60 (0.25)		MADE GROUND: Brown light brown slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse brick. <i>with gravel of glass at 0.75m depth. (0.75m)</i>	
		0.95	ES			0.85 (0.15) 1.00		Brown mottled orange brown silty CLAY. [River Terrace Deposits]	1.0
								End of Trial Pit at 1.00m	
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 1.00m HP Trial pit stable on completion.	Logger AW
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Hand Pit

TP126
Sheet 1 of 1

Hole Type HP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land at Woodgate Nurseries, Lidsey Rd, Woodgate	Project No. P17318	Start Date 2025-10-27	End Date 2025-10-27	

Client	Consultant	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.25	ES			(0.40)		MADE GROUND: Dark brown light brown gravelly sandy clay. Gravel is subangular to subrounded fine to coarse flint.	
		0.65	ES			(0.30)		Brown orange brown mottled slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint. [River Terrace Deposits]	0.5
						0.70		End of Trial Pit at 0.70m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

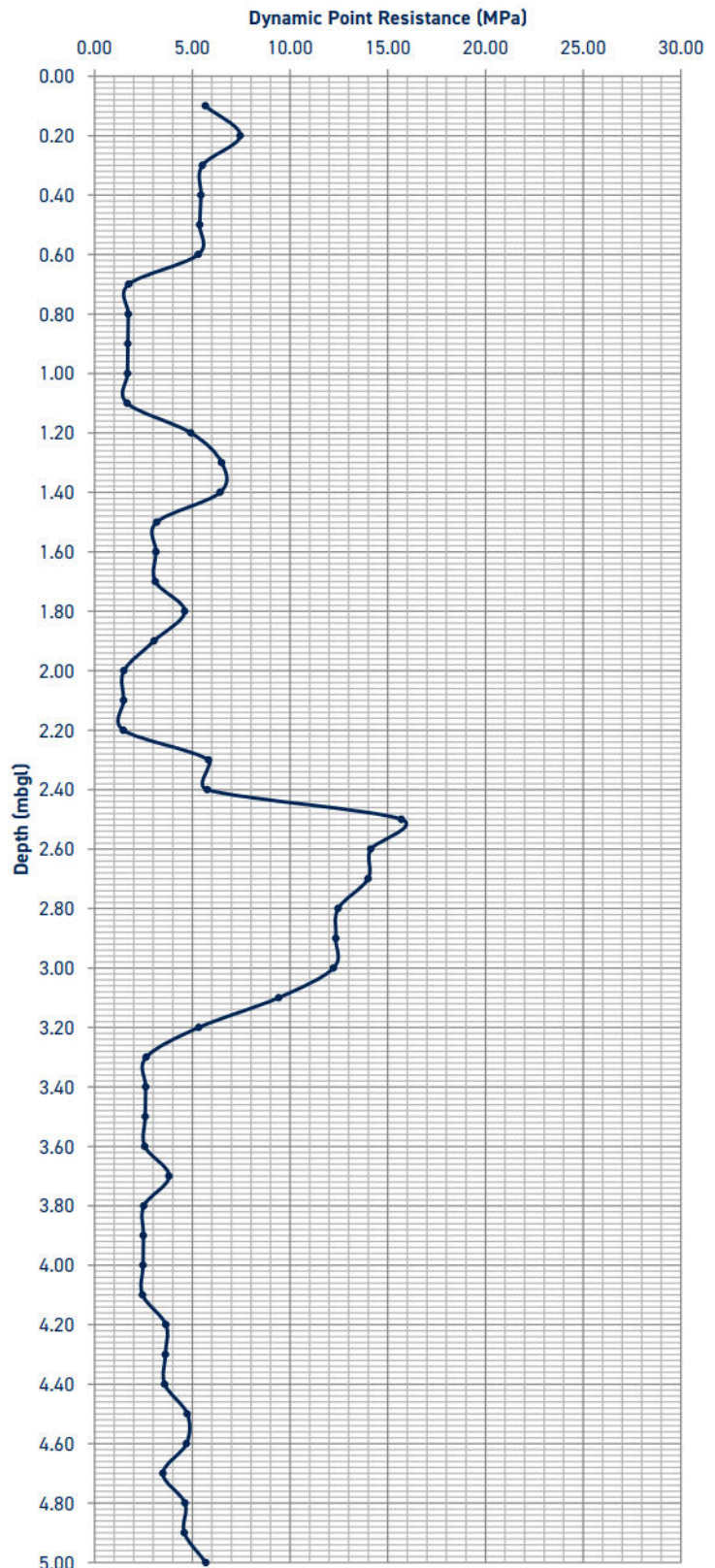
Remarks Trial pit stable on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.70m HP Trial pit stable on completion.	Logger AW
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Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS01**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	3	0.03	5.83	5.66
0.20	4	0.03	7.77	7.45
0.30	3	0.03	5.83	5.51
0.40	3	0.03	5.83	5.44
0.50	3	0.03	5.83	5.37
0.60	3	0.03	5.83	5.31
0.70	1	0.10	1.94	1.75
0.80	1	0.10	1.94	1.73
0.90	1	0.10	1.94	1.70
1.00	1	0.10	1.94	1.68
1.10	1	0.10	1.94	1.66
1.20	3	0.03	5.83	4.93
1.30	4	0.03	7.77	6.50
1.40	4	0.03	7.77	6.43
1.50	2	0.05	3.89	3.18
1.60	2	0.05	3.89	3.14
1.70	2	0.05	3.89	3.11
1.80	3	0.03	5.83	4.61
1.90	2	0.05	3.89	3.04
2.00	1	0.10	1.94	1.50
2.10	1	0.10	1.94	1.49
2.20	1	0.10	1.94	1.47
2.30	4	0.03	7.77	5.83
2.40	4	0.03	7.77	5.77
2.50	11	0.01	21.38	15.70
2.60	10	0.01	19.44	14.13
2.70	10	0.01	19.44	13.99
2.80	9	0.01	17.49	12.47
2.90	9	0.01	17.49	12.34
3.00	9	0.01	17.49	12.23
3.10	7	0.01	13.60	9.42
3.20	4	0.03	7.77	5.33
3.30	2	0.05	3.89	2.64
3.40	2	0.05	3.89	2.62
3.50	2	0.05	3.89	2.59
3.60	2	0.05	3.89	2.57
3.70	3	0.03	5.83	3.82
3.80	2	0.05	3.89	2.52
3.90	2	0.05	3.89	2.50
4.00	2	0.05	3.89	2.48
4.10	2	0.05	3.89	2.46
4.20	3	0.03	5.83	3.65
4.30	3	0.03	5.83	3.62
4.40	3	0.03	5.83	3.59
4.50	4	0.03	7.77	4.75
4.60	4	0.03	7.77	4.71
4.70	3	0.03	5.83	3.50
4.80	4	0.03	7.77	4.63
4.90	4	0.03	7.77	4.59
5.00	5	0.02	9.72	5.69



Notes:

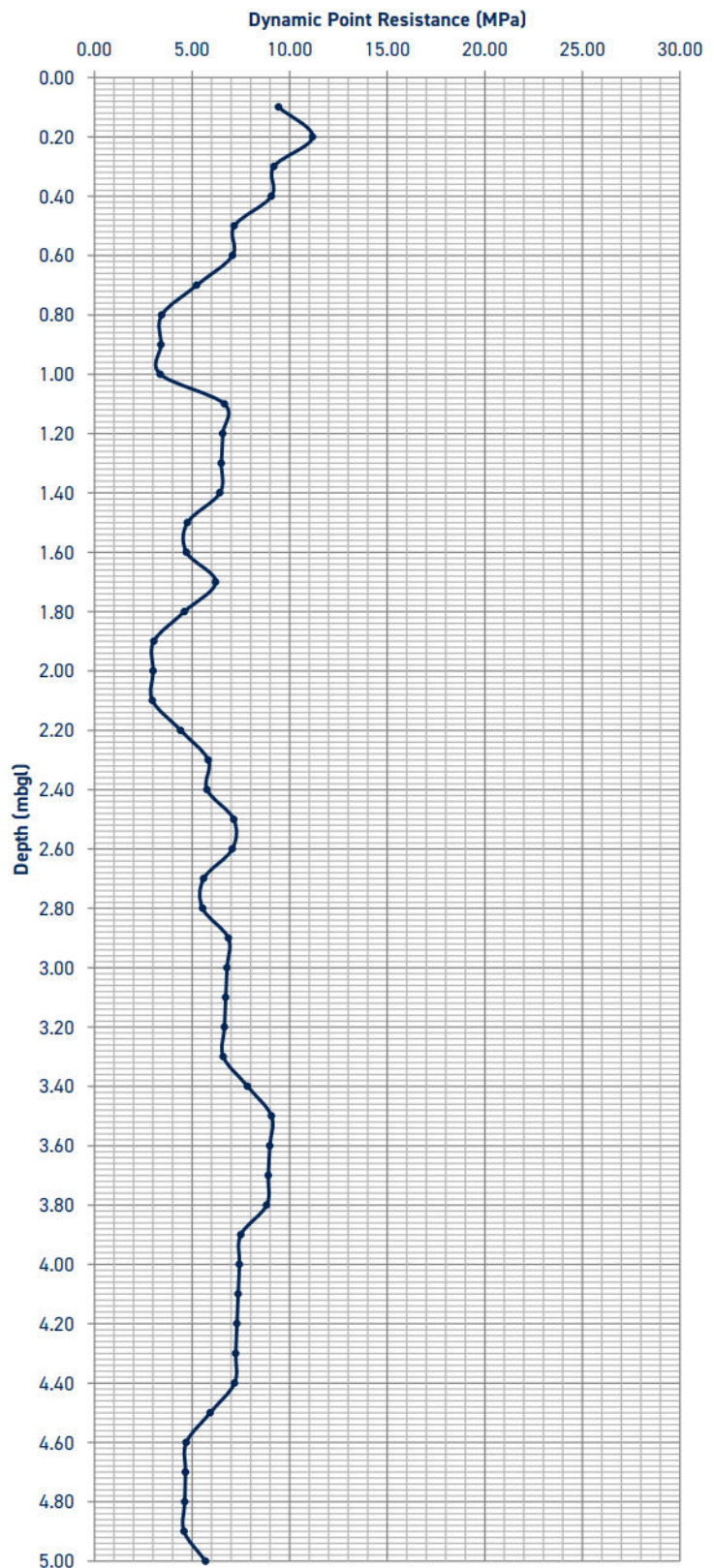
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.78
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS02**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	5	0.02	9.72	9.44
0.20	6	0.02	11.66	11.18
0.30	5	0.02	9.72	9.19
0.40	5	0.02	9.72	9.07
0.50	4	0.03	7.77	7.17
0.60	4	0.03	7.77	7.08
0.70	3	0.03	5.83	5.24
0.80	2	0.05	3.89	3.45
0.90	2	0.05	3.89	3.41
1.00	2	0.05	3.89	3.37
1.10	4	0.03	7.77	6.66
1.20	4	0.03	7.77	6.58
1.30	4	0.03	7.77	6.50
1.40	4	0.03	7.77	6.43
1.50	3	0.03	5.83	4.77
1.60	3	0.03	5.83	4.71
1.70	4	0.03	7.77	6.21
1.80	3	0.03	5.83	4.61
1.90	2	0.05	3.89	3.04
2.00	2	0.05	3.89	3.01
2.10	2	0.05	3.89	2.98
2.20	3	0.03	5.83	4.42
2.30	4	0.03	7.77	5.83
2.40	4	0.03	7.77	5.77
2.50	5	0.02	9.72	7.14
2.60	5	0.02	9.72	7.07
2.70	4	0.03	7.77	5.60
2.80	4	0.03	7.77	5.54
2.90	5	0.02	9.72	6.86
3.00	5	0.02	9.72	6.79
3.10	5	0.02	9.72	6.73
3.20	5	0.02	9.72	6.66
3.30	5	0.02	9.72	6.60
3.40	6	0.02	11.66	7.85
3.50	7	0.01	13.60	9.07
3.60	7	0.01	13.60	8.99
3.70	7	0.01	13.60	8.91
3.80	7	0.01	13.60	8.83
3.90	6	0.02	11.66	7.50
4.00	6	0.02	11.66	7.43
4.10	6	0.02	11.66	7.37
4.20	6	0.02	11.66	7.30
4.30	6	0.02	11.66	7.24
4.40	6	0.02	11.66	7.18
4.50	5	0.02	9.72	5.93
4.60	4	0.03	7.77	4.71
4.70	4	0.03	7.77	4.67
4.80	4	0.03	7.77	4.63
4.90	4	0.03	7.77	4.59
5.00	5	0.02	9.72	5.69



Notes:

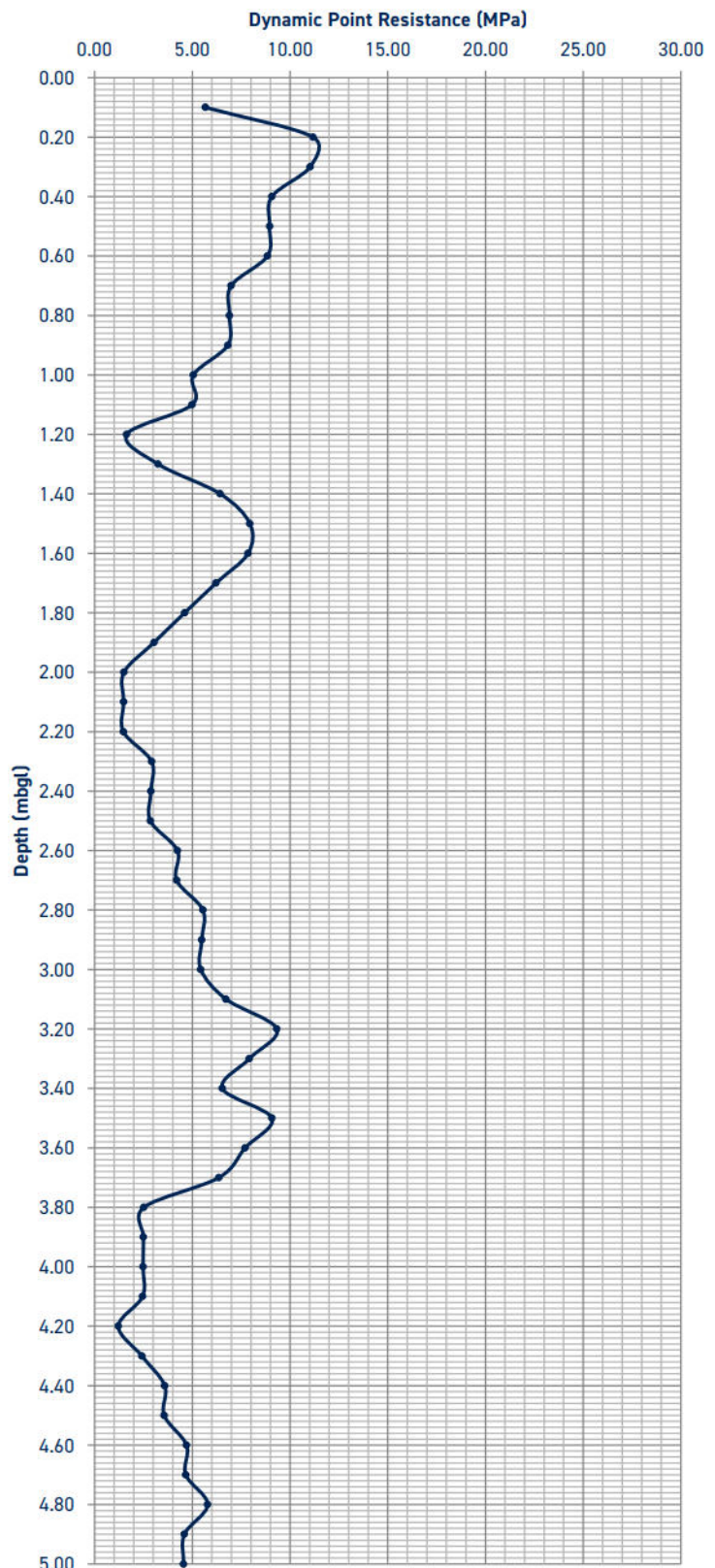
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.78
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS03**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	3	0.03	5.83	5.66
0.20	6	0.02	11.66	11.18
0.30	6	0.02	11.66	11.03
0.40	5	0.02	9.72	9.07
0.50	5	0.02	9.72	8.96
0.60	5	0.02	9.72	8.84
0.70	4	0.03	7.77	6.99
0.80	4	0.03	7.77	6.90
0.90	4	0.03	7.77	6.82
1.00	3	0.03	5.83	5.05
1.10	3	0.03	5.83	4.99
1.20	1	0.10	1.94	1.64
1.30	2	0.05	3.89	3.25
1.40	4	0.03	7.77	6.43
1.50	5	0.02	9.72	7.94
1.60	5	0.02	9.72	7.86
1.70	4	0.03	7.77	6.21
1.80	3	0.03	5.83	4.61
1.90	2	0.05	3.89	3.04
2.00	1	0.10	1.94	1.50
2.10	1	0.10	1.94	1.49
2.20	1	0.10	1.94	1.47
2.30	2	0.05	3.89	2.91
2.40	2	0.05	3.89	2.88
2.50	2	0.05	3.89	2.85
2.60	3	0.03	5.83	4.24
2.70	3	0.03	5.83	4.20
2.80	4	0.03	7.77	5.54
2.90	4	0.03	7.77	5.49
3.00	4	0.03	7.77	5.43
3.10	5	0.02	9.72	6.73
3.20	7	0.01	13.60	9.33
3.30	6	0.02	11.66	7.92
3.40	5	0.02	9.72	6.54
3.50	7	0.01	13.60	9.07
3.60	6	0.02	11.66	7.70
3.70	5	0.02	9.72	6.36
3.80	2	0.05	3.89	2.52
3.90	2	0.05	3.89	2.50
4.00	2	0.05	3.89	2.48
4.10	2	0.05	3.89	2.46
4.20	1	0.10	1.94	1.22
4.30	2	0.05	3.89	2.41
4.40	3	0.03	5.83	3.59
4.50	3	0.03	5.83	3.56
4.60	4	0.03	7.77	4.71
4.70	4	0.03	7.77	4.67
4.80	5	0.02	9.72	5.79
4.90	4	0.03	7.77	4.59
5.00	4	0.03	7.77	4.55



Notes:

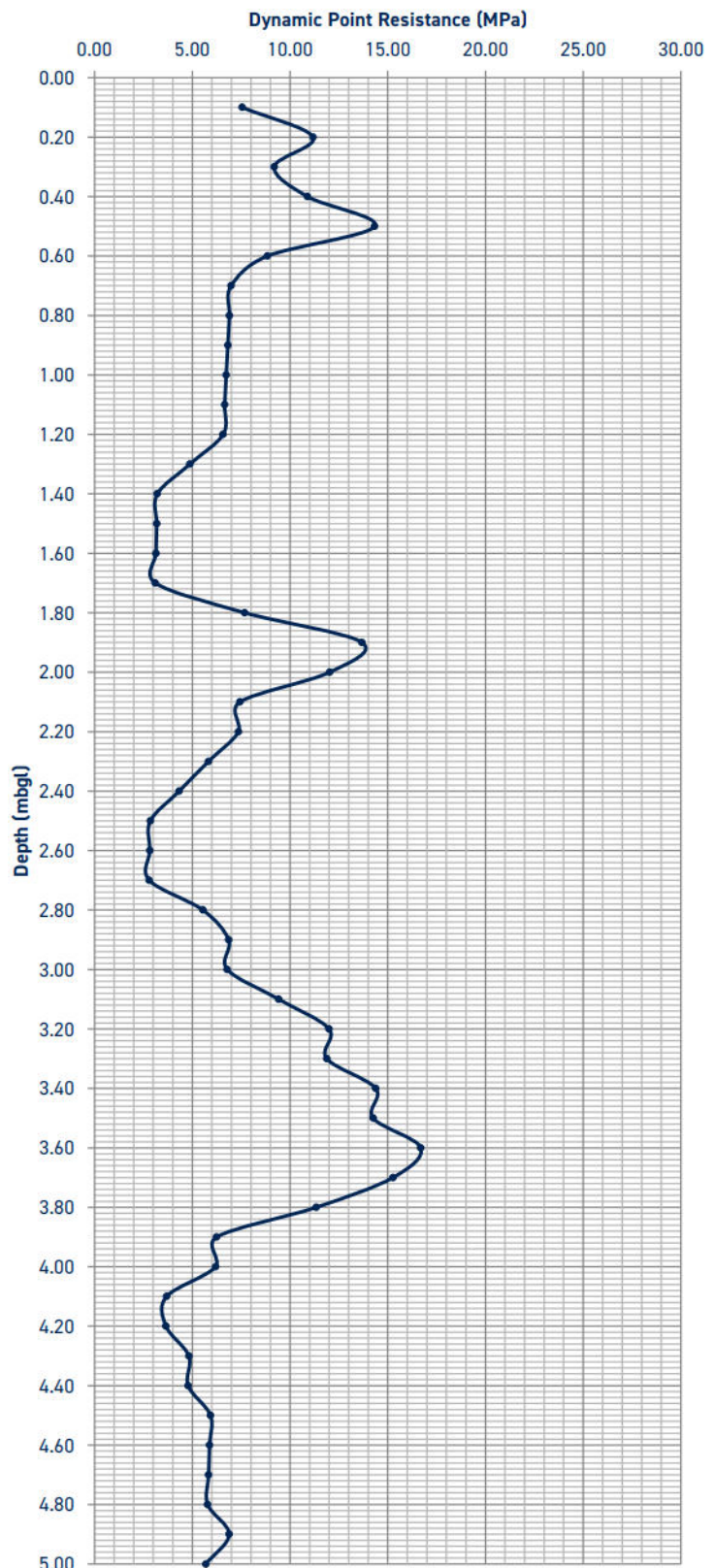
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.78
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS04**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	4	0.03	7.77	7.55
0.20	6	0.02	11.66	11.18
0.30	5	0.02	9.72	9.19
0.40	6	0.02	11.66	10.89
0.50	8	0.01	15.55	14.33
0.60	5	0.02	9.72	8.84
0.70	4	0.03	7.77	6.99
0.80	4	0.03	7.77	6.90
0.90	4	0.03	7.77	6.82
1.00	4	0.03	7.77	6.74
1.10	4	0.03	7.77	6.66
1.20	4	0.03	7.77	6.58
1.30	3	0.03	5.83	4.88
1.40	2	0.05	3.89	3.21
1.50	2	0.05	3.89	3.18
1.60	2	0.05	3.89	3.14
1.70	2	0.05	3.89	3.11
1.80	5	0.02	9.72	7.68
1.90	9	0.01	17.49	13.68
2.00	8	0.01	15.55	12.03
2.10	5	0.02	9.72	7.44
2.20	5	0.02	9.72	7.36
2.30	4	0.03	7.77	5.83
2.40	3	0.03	5.83	4.33
2.50	2	0.05	3.89	2.85
2.60	2	0.05	3.89	2.83
2.70	2	0.05	3.89	2.80
2.80	4	0.03	7.77	5.54
2.90	5	0.02	9.72	6.86
3.00	5	0.02	9.72	6.79
3.10	7	0.01	13.60	9.42
3.20	9	0.01	17.49	11.99
3.30	9	0.01	17.49	11.88
3.40	11	0.01	21.38	14.39
3.50	11	0.01	21.38	14.25
3.60	13	0.01	25.27	16.69
3.70	12	0.01	23.32	15.27
3.80	9	0.01	17.49	11.35
3.90	5	0.02	9.72	6.25
4.00	5	0.02	9.72	6.19
4.10	3	0.03	5.83	3.68
4.20	3	0.03	5.83	3.65
4.30	4	0.03	7.77	4.83
4.40	4	0.03	7.77	4.79
4.50	5	0.02	9.72	5.93
4.60	5	0.02	9.72	5.88
4.70	5	0.02	9.72	5.83
4.80	5	0.02	9.72	5.79
4.90	6	0.02	11.66	6.89
5.00	5	0.02	9.72	5.69



Notes:

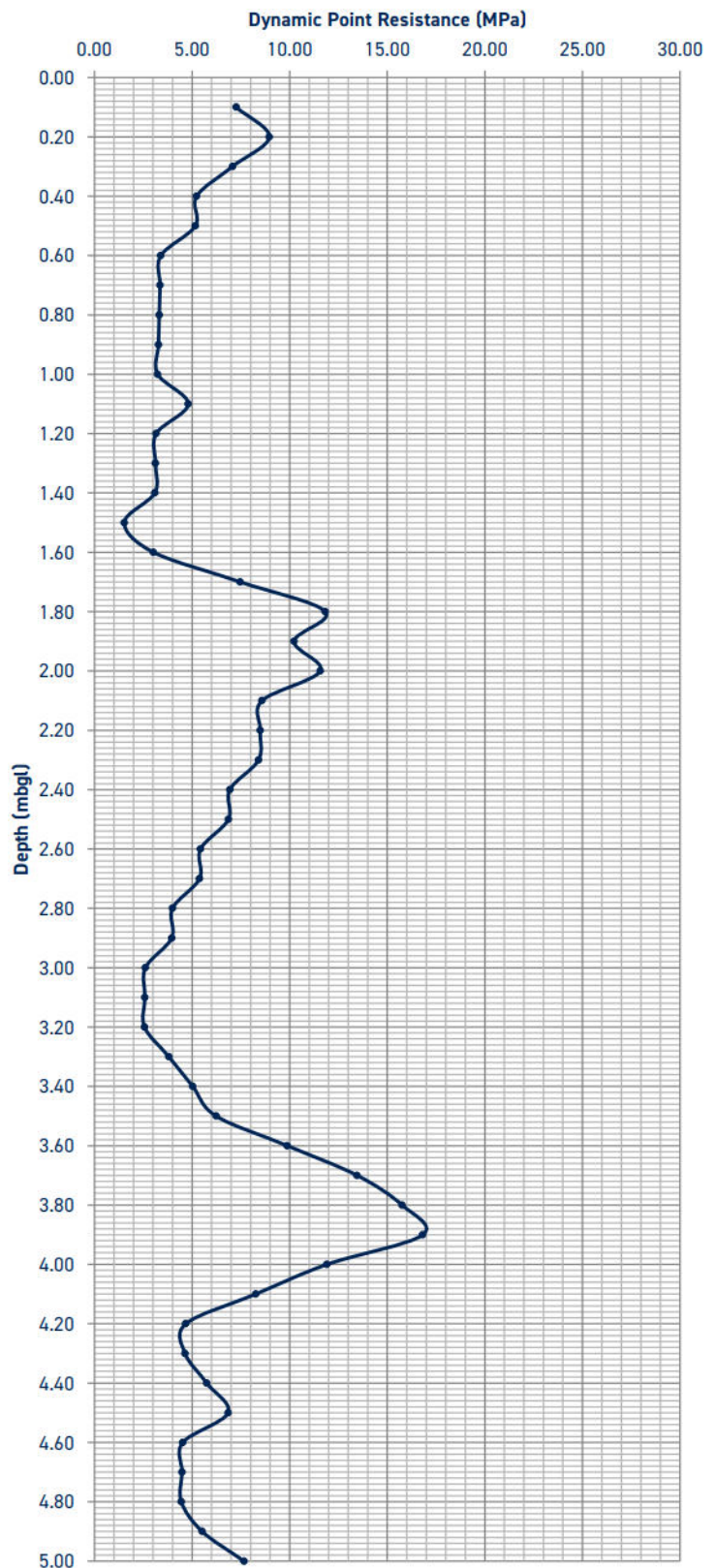
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.78
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS05**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	4	0.03	7.48	7.26
0.20	5	0.02	9.34	8.96
0.30	4	0.03	7.48	7.07
0.40	3	0.03	5.61	5.23
0.50	3	0.03	5.61	5.17
0.60	2	0.05	3.74	3.40
0.70	2	0.05	3.74	3.36
0.80	2	0.05	3.74	3.32
0.90	2	0.05	3.74	3.28
1.00	2	0.05	3.74	3.24
1.10	3	0.03	5.61	4.80
1.20	2	0.05	3.74	3.16
1.30	2	0.05	3.74	3.13
1.40	2	0.05	3.74	3.09
1.50	1	0.10	1.87	1.53
1.60	2	0.05	3.74	3.02
1.70	5	0.02	9.34	7.47
1.80	8	0.01	14.95	11.82
1.90	7	0.01	13.08	10.23
2.00	8	0.01	14.95	11.57
2.10	6	0.02	11.21	8.58
2.20	6	0.02	11.21	8.49
2.30	6	0.02	11.21	8.41
2.40	5	0.02	9.34	6.93
2.50	5	0.02	9.34	6.86
2.60	4	0.03	7.48	5.43
2.70	4	0.03	7.48	5.38
2.80	3	0.03	5.61	4.00
2.90	3	0.03	5.61	3.96
3.00	2	0.05	3.74	2.61
3.10	2	0.05	3.74	2.59
3.20	2	0.05	3.74	2.56
3.30	3	0.03	5.61	3.81
3.40	4	0.03	7.48	5.03
3.50	5	0.02	9.34	6.23
3.60	8	0.01	14.95	9.88
3.70	11	0.01	20.56	13.46
3.80	13	0.01	24.29	15.76
3.90	14	0.01	26.16	16.82
4.00	10	0.01	18.69	11.91
4.10	7	0.01	13.08	8.26
4.20	4	0.03	7.48	4.68
4.30	4	0.03	7.48	4.64
4.40	5	0.02	9.34	5.75
4.50	6	0.02	11.21	6.84
4.60	4	0.03	7.48	4.52
4.70	4	0.03	7.48	4.49
4.80	4	0.03	7.48	4.45
4.90	5	0.02	9.34	5.52
5.00	7	0.01	13.08	7.66



Notes:

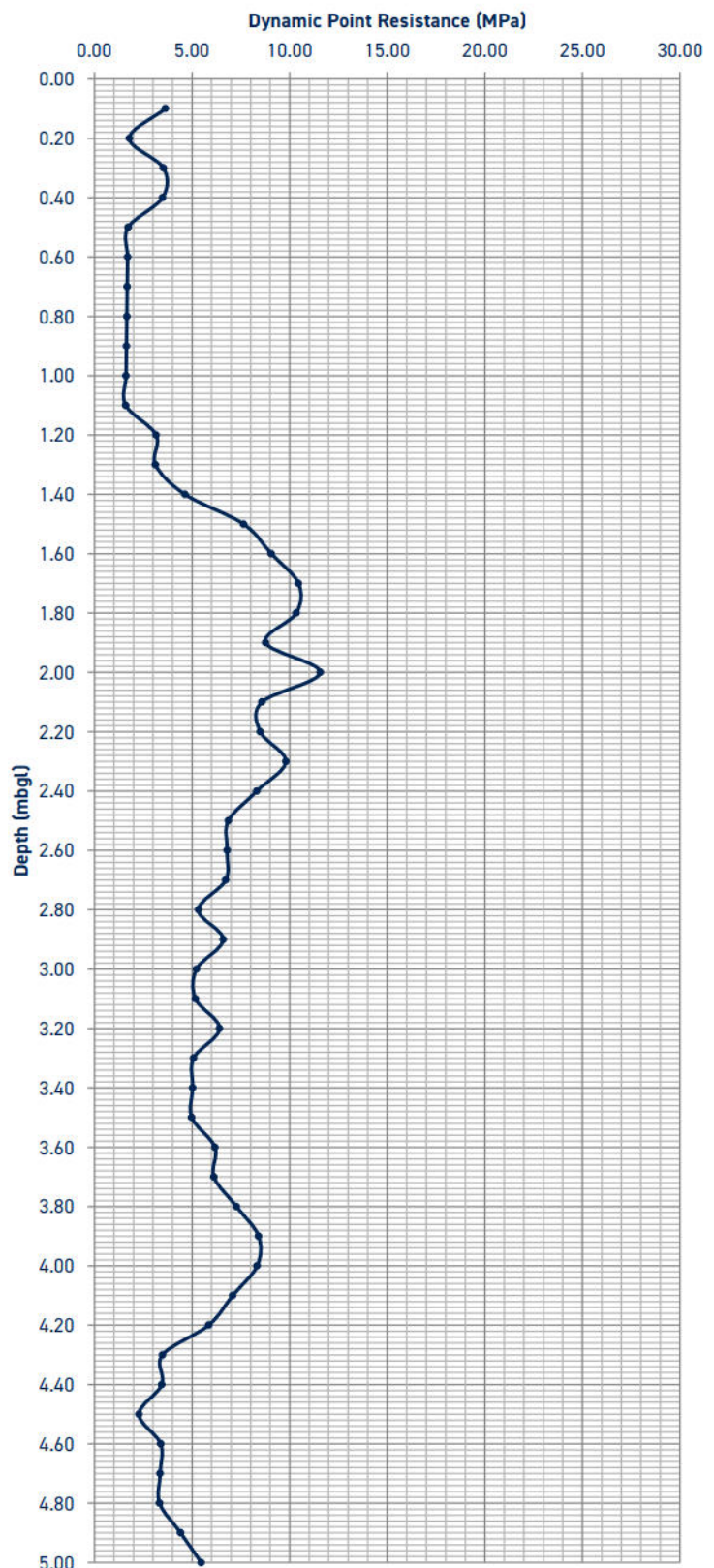
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS06**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	2	0.05	3.74	3.63
0.20	1	0.10	1.87	1.79
0.30	2	0.05	3.74	3.54
0.40	2	0.05	3.74	3.49
0.50	1	0.10	1.87	1.72
0.60	1	0.10	1.87	1.70
0.70	1	0.10	1.87	1.68
0.80	1	0.10	1.87	1.66
0.90	1	0.10	1.87	1.64
1.00	1	0.10	1.87	1.62
1.10	1	0.10	1.87	1.60
1.20	2	0.05	3.74	3.16
1.30	2	0.05	3.74	3.13
1.40	3	0.03	5.61	4.64
1.50	5	0.02	9.34	7.64
1.60	6	0.02	11.21	9.06
1.70	7	0.01	13.08	10.46
1.80	7	0.01	13.08	10.34
1.90	6	0.02	11.21	8.77
2.00	8	0.01	14.95	11.57
2.10	6	0.02	11.21	8.58
2.20	6	0.02	11.21	8.49
2.30	7	0.01	13.08	9.81
2.40	6	0.02	11.21	8.32
2.50	5	0.02	9.34	6.86
2.60	5	0.02	9.34	6.79
2.70	5	0.02	9.34	6.73
2.80	4	0.03	7.48	5.33
2.90	5	0.02	9.34	6.59
3.00	4	0.03	7.48	5.22
3.10	4	0.03	7.48	5.17
3.20	5	0.02	9.34	6.41
3.30	4	0.03	7.48	5.08
3.40	4	0.03	7.48	5.03
3.50	4	0.03	7.48	4.98
3.60	5	0.02	9.34	6.17
3.70	5	0.02	9.34	6.12
3.80	6	0.02	11.21	7.27
3.90	7	0.01	13.08	8.41
4.00	7	0.01	13.08	8.34
4.10	6	0.02	11.21	7.08
4.20	5	0.02	9.34	5.85
4.30	3	0.03	5.61	3.48
4.40	3	0.03	5.61	3.45
4.50	2	0.05	3.74	2.28
4.60	3	0.03	5.61	3.39
4.70	3	0.03	5.61	3.37
4.80	3	0.03	5.61	3.34
4.90	4	0.03	7.48	4.41
5.00	5	0.02	9.34	5.47



Notes:

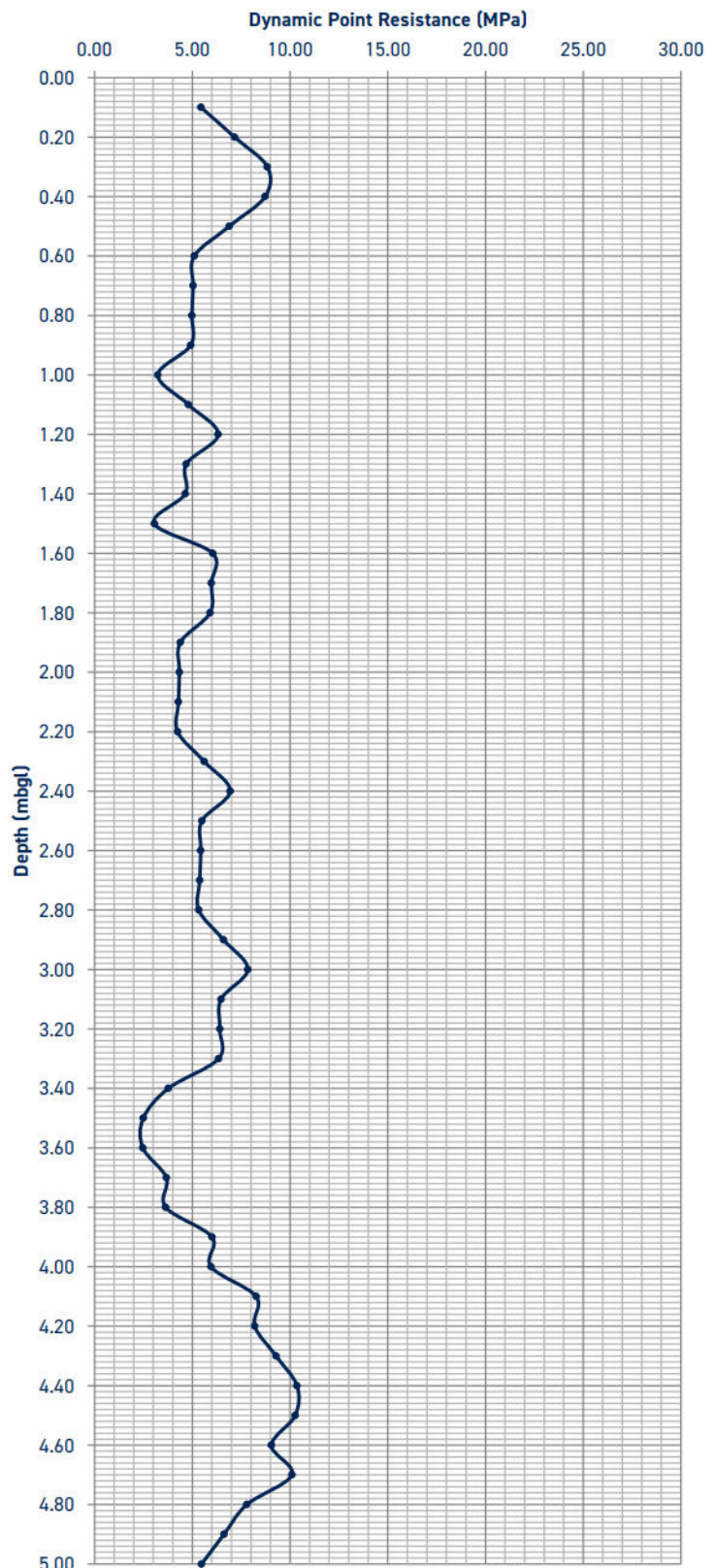
Hammer Mass 63.5 kg
 Fall Height 0.76 m
 Cone Area 0.0019 m²
 E_{theor} 473 J
 Energy Ratio 0.75
 Anvil Mass 1 kg
 Rod Mass 8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS07**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	3	0.03	5.61	5.45
0.20	4	0.03	7.48	7.16
0.30	5	0.02	9.34	8.84
0.40	5	0.02	9.34	8.72
0.50	4	0.03	7.48	6.89
0.60	3	0.03	5.61	5.10
0.70	3	0.03	5.61	5.04
0.80	3	0.03	5.61	4.98
0.90	3	0.03	5.61	4.92
1.00	2	0.05	3.74	3.24
1.10	3	0.03	5.61	4.80
1.20	4	0.03	7.48	6.33
1.30	3	0.03	5.61	4.69
1.40	3	0.03	5.61	4.64
1.50	2	0.05	3.74	3.06
1.60	4	0.03	7.48	6.04
1.70	4	0.03	7.48	5.98
1.80	4	0.03	7.48	5.91
1.90	3	0.03	5.61	4.38
2.00	3	0.03	5.61	4.34
2.10	3	0.03	5.61	4.29
2.20	3	0.03	5.61	4.25
2.30	4	0.03	7.48	5.60
2.40	5	0.02	9.34	6.93
2.50	4	0.03	7.48	5.49
2.60	4	0.03	7.48	5.43
2.70	4	0.03	7.48	5.38
2.80	4	0.03	7.48	5.33
2.90	5	0.02	9.34	6.59
3.00	6	0.02	11.21	7.84
3.10	5	0.02	9.34	6.47
3.20	5	0.02	9.34	6.41
3.30	5	0.02	9.34	6.35
3.40	3	0.03	5.61	3.77
3.50	2	0.05	3.74	2.49
3.60	2	0.05	3.74	2.47
3.70	3	0.03	5.61	3.67
3.80	3	0.03	5.61	3.64
3.90	5	0.02	9.34	6.01
4.00	5	0.02	9.34	5.95
4.10	7	0.01	13.08	8.26
4.20	7	0.01	13.08	8.19
4.30	8	0.01	14.95	9.28
4.40	9	0.01	16.82	10.35
4.50	9	0.01	16.82	10.27
4.60	8	0.01	14.95	9.05
4.70	9	0.01	16.82	10.10
4.80	7	0.01	13.08	7.79
4.90	6	0.02	11.21	6.62
5.00	5	0.02	9.34	5.47



Notes:

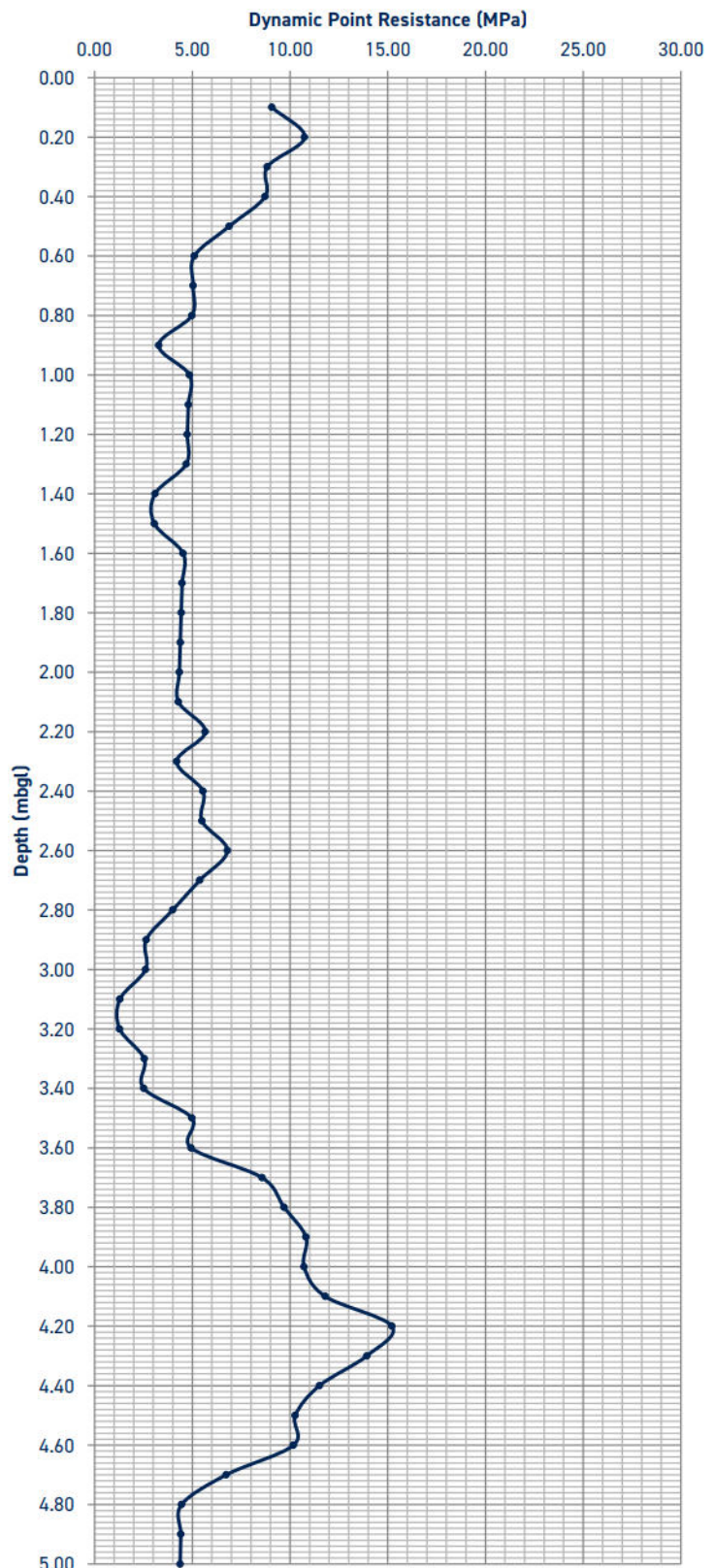
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS08**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	5	0.02	9.34	9.08
0.20	6	0.02	11.21	10.75
0.30	5	0.02	9.34	8.84
0.40	5	0.02	9.34	8.72
0.50	4	0.03	7.48	6.89
0.60	3	0.03	5.61	5.10
0.70	3	0.03	5.61	5.04
0.80	3	0.03	5.61	4.98
0.90	2	0.05	3.74	3.28
1.00	3	0.03	5.61	4.86
1.10	3	0.03	5.61	4.80
1.20	3	0.03	5.61	4.74
1.30	3	0.03	5.61	4.69
1.40	2	0.05	3.74	3.09
1.50	2	0.05	3.74	3.06
1.60	3	0.03	5.61	4.53
1.70	3	0.03	5.61	4.48
1.80	3	0.03	5.61	4.43
1.90	3	0.03	5.61	4.38
2.00	3	0.03	5.61	4.34
2.10	3	0.03	5.61	4.29
2.20	4	0.03	7.48	5.66
2.30	3	0.03	5.61	4.20
2.40	4	0.03	7.48	5.55
2.50	4	0.03	7.48	5.49
2.60	5	0.02	9.34	6.79
2.70	4	0.03	7.48	5.38
2.80	3	0.03	5.61	4.00
2.90	2	0.05	3.74	2.64
3.00	2	0.05	3.74	2.61
3.10	1	0.10	1.87	1.29
3.20	1	0.10	1.87	1.28
3.30	2	0.05	3.74	2.54
3.40	2	0.05	3.74	2.52
3.50	4	0.03	7.48	4.98
3.60	4	0.03	7.48	4.94
3.70	7	0.01	13.08	8.56
3.80	8	0.01	14.95	9.70
3.90	9	0.01	16.82	10.81
4.00	9	0.01	16.82	10.72
4.10	10	0.01	18.69	11.81
4.20	13	0.01	24.29	15.21
4.30	12	0.01	22.43	13.92
4.40	10	0.01	18.69	11.50
4.50	9	0.01	16.82	10.27
4.60	9	0.01	16.82	10.18
4.70	6	0.02	11.21	6.73
4.80	4	0.03	7.48	4.45
4.90	4	0.03	7.48	4.41
5.00	4	0.03	7.48	4.38



Notes:

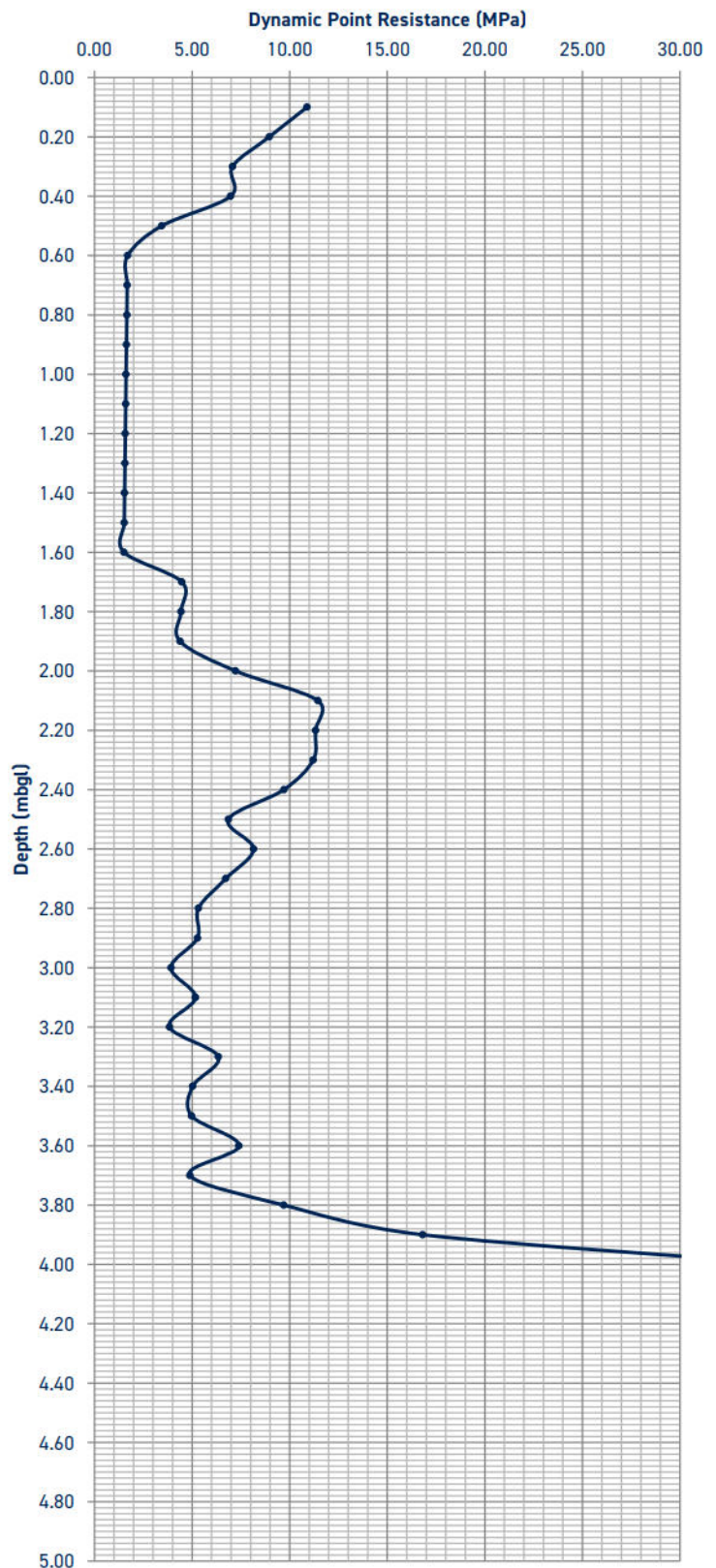
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference: WS09

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	6	0.02	11.21	10.89
0.20	5	0.02	9.34	8.96
0.30	4	0.03	7.48	7.07
0.40	4	0.03	7.48	6.98
0.50	2	0.05	3.74	3.45
0.60	1	0.10	1.87	1.70
0.70	1	0.10	1.87	1.68
0.80	1	0.10	1.87	1.66
0.90	1	0.10	1.87	1.64
1.00	1	0.10	1.87	1.62
1.10	1	0.10	1.87	1.60
1.20	1	0.10	1.87	1.58
1.30	1	0.10	1.87	1.56
1.40	1	0.10	1.87	1.55
1.50	1	0.10	1.87	1.53
1.60	1	0.10	1.87	1.51
1.70	3	0.03	5.61	4.48
1.80	3	0.03	5.61	4.43
1.90	3	0.03	5.61	4.38
2.00	5	0.02	9.34	7.23
2.10	8	0.01	14.95	11.45
2.20	8	0.01	14.95	11.33
2.30	8	0.01	14.95	11.21
2.40	7	0.01	13.08	9.71
2.50	5	0.02	9.34	6.86
2.60	6	0.02	11.21	8.15
2.70	5	0.02	9.34	6.73
2.80	4	0.03	7.48	5.33
2.90	4	0.03	7.48	5.28
3.00	3	0.03	5.61	3.92
3.10	4	0.03	7.48	5.17
3.20	3	0.03	5.61	3.84
3.30	5	0.02	9.34	6.35
3.40	4	0.03	7.48	5.03
3.50	4	0.03	7.48	4.98
3.60	6	0.02	11.21	7.41
3.70	4	0.03	7.48	4.89
3.80	8	0.01	14.95	9.70
3.90	14	0.01	26.16	16.82
4.00	30	0.00	56.06	35.73
4.10				
4.20				
4.30				
4.40				
4.50				
4.60				
4.70				
4.80				
4.90				
5.00				



Notes:

No further progress below 4.00m depth - hammer bouncing.

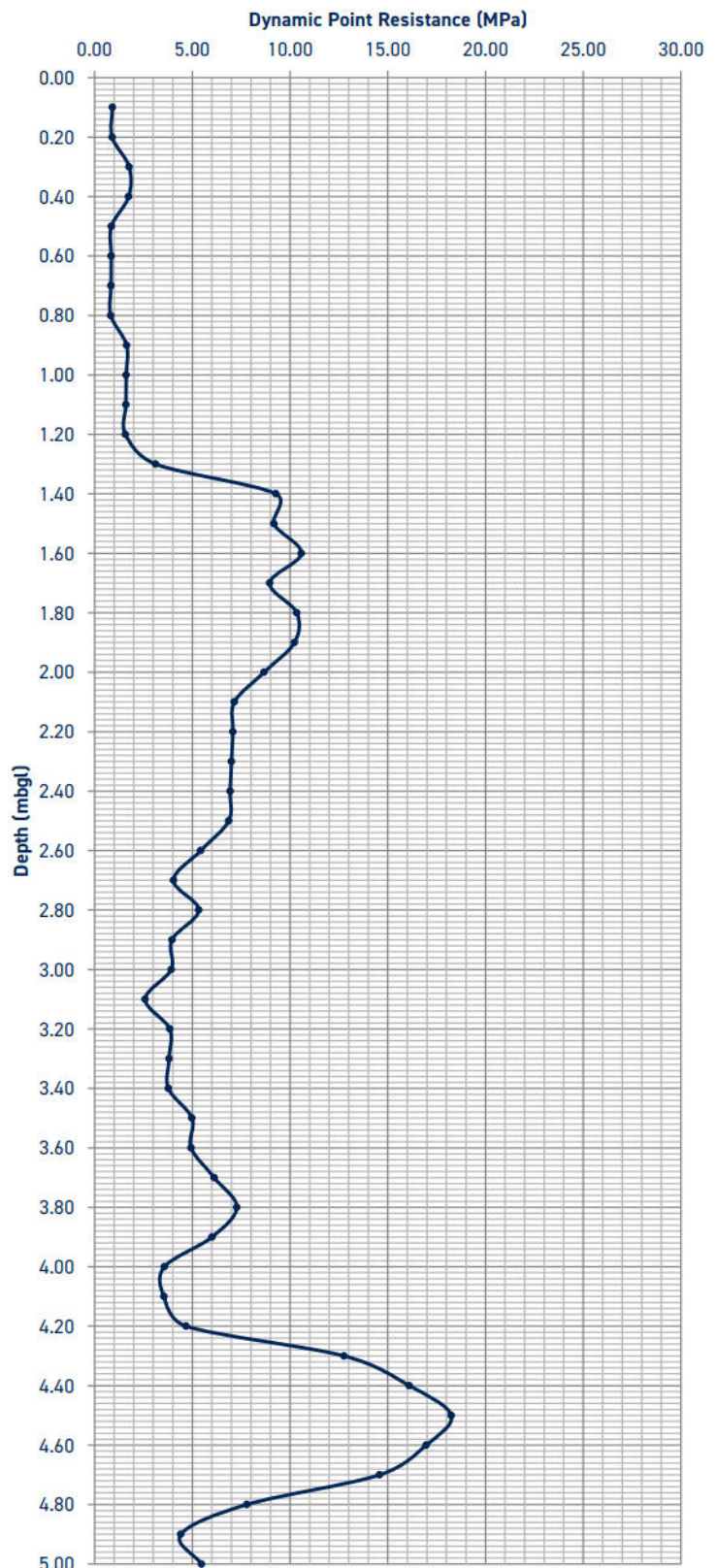
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS10**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	0.5	0.20	0.93	0.91
0.20	0.5	0.20	0.93	0.90
0.30	1	0.10	1.87	1.77
0.40	1	0.10	1.87	1.74
0.50	0.5	0.20	0.93	0.86
0.60	0.5	0.20	0.93	0.85
0.70	0.5	0.20	0.93	0.84
0.80	0.5	0.20	0.93	0.83
0.90	1	0.10	1.87	1.64
1.00	1	0.10	1.87	1.62
1.10	1	0.10	1.87	1.60
1.20	1	0.10	1.87	1.58
1.30	2	0.05	3.74	3.13
1.40	6	0.02	11.21	9.27
1.50	6	0.02	11.21	9.17
1.60	7	0.01	13.08	10.57
1.70	6	0.02	11.21	8.96
1.80	7	0.01	13.08	10.34
1.90	7	0.01	13.08	10.23
2.00	6	0.02	11.21	8.68
2.10	5	0.02	9.34	7.15
2.20	5	0.02	9.34	7.08
2.30	5	0.02	9.34	7.00
2.40	5	0.02	9.34	6.93
2.50	5	0.02	9.34	6.86
2.60	4	0.03	7.48	5.43
2.70	3	0.03	5.61	4.04
2.80	4	0.03	7.48	5.33
2.90	3	0.03	5.61	3.96
3.00	3	0.03	5.61	3.92
3.10	2	0.05	3.74	2.59
3.20	3	0.03	5.61	3.84
3.30	3	0.03	5.61	3.81
3.40	3	0.03	5.61	3.77
3.50	4	0.03	7.48	4.98
3.60	4	0.03	7.48	4.94
3.70	5	0.02	9.34	6.12
3.80	6	0.02	11.21	7.27
3.90	5	0.02	9.34	6.01
4.00	3	0.03	5.61	3.57
4.10	3	0.03	5.61	3.54
4.20	4	0.03	7.48	4.68
4.30	11	0.01	20.56	12.76
4.40	14	0.01	26.16	16.11
4.50	16	0.01	29.90	18.25
4.60	15	0.01	28.03	16.97
4.70	13	0.01	24.29	14.58
4.80	7	0.01	13.08	7.79
4.90	4	0.03	7.48	4.41
5.00	5	0.02	9.34	5.47



Notes:

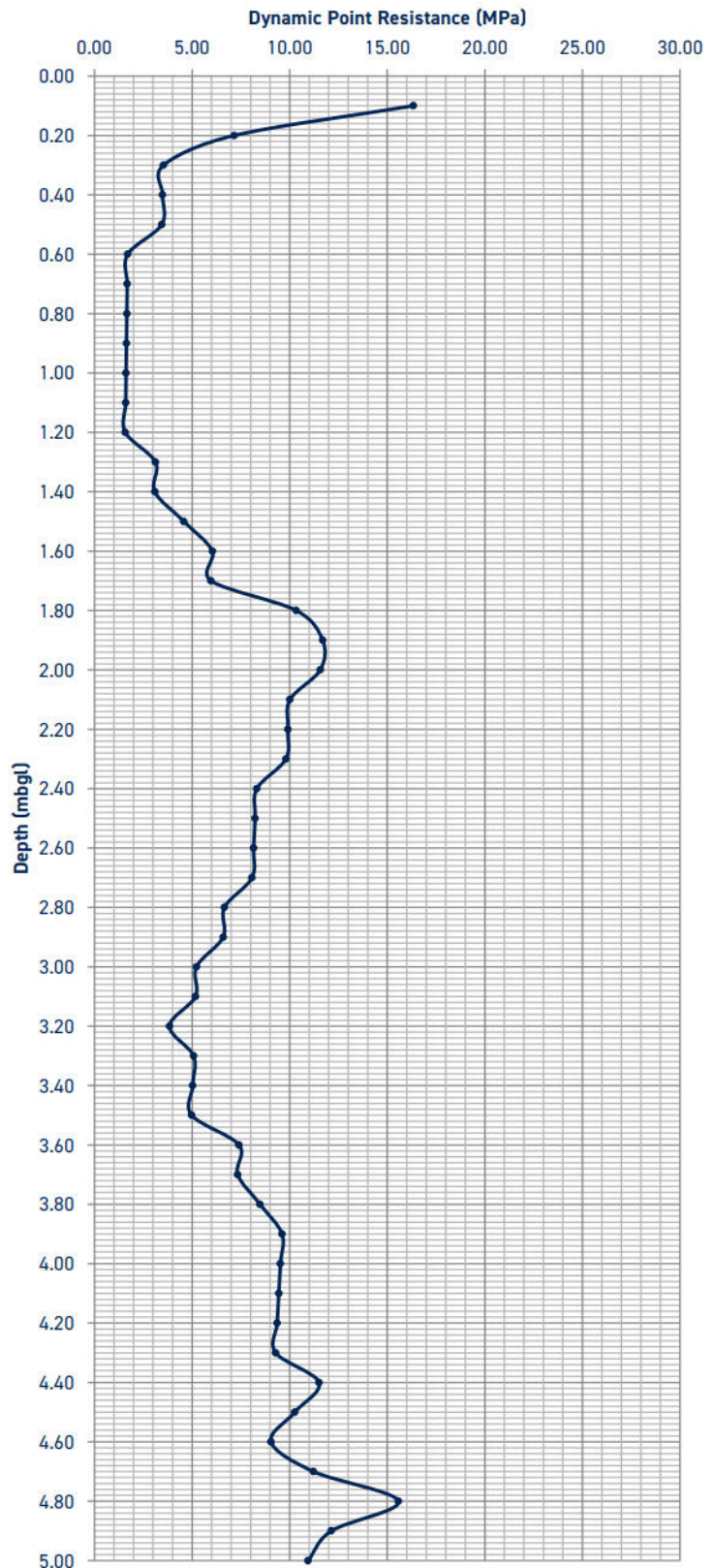
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS11**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	9	0.01	16.82	16.34
0.20	4	0.03	7.48	7.16
0.30	2	0.05	3.74	3.54
0.40	2	0.05	3.74	3.49
0.50	2	0.05	3.74	3.45
0.60	1	0.10	1.87	1.70
0.70	1	0.10	1.87	1.68
0.80	1	0.10	1.87	1.66
0.90	1	0.10	1.87	1.64
1.00	1	0.10	1.87	1.62
1.10	1	0.10	1.87	1.60
1.20	1	0.10	1.87	1.58
1.30	2	0.05	3.74	3.13
1.40	2	0.05	3.74	3.09
1.50	3	0.03	5.61	4.58
1.60	4	0.03	7.48	6.04
1.70	4	0.03	7.48	5.98
1.80	7	0.01	13.08	10.34
1.90	8	0.01	14.95	11.69
2.00	8	0.01	14.95	11.57
2.10	7	0.01	13.08	10.01
2.20	7	0.01	13.08	9.91
2.30	7	0.01	13.08	9.81
2.40	6	0.02	11.21	8.32
2.50	6	0.02	11.21	8.23
2.60	6	0.02	11.21	8.15
2.70	6	0.02	11.21	8.07
2.80	5	0.02	9.34	6.66
2.90	5	0.02	9.34	6.59
3.00	4	0.03	7.48	5.22
3.10	4	0.03	7.48	5.17
3.20	3	0.03	5.61	3.84
3.30	4	0.03	7.48	5.08
3.40	4	0.03	7.48	5.03
3.50	4	0.03	7.48	4.98
3.60	6	0.02	11.21	7.41
3.70	6	0.02	11.21	7.34
3.80	7	0.01	13.08	8.49
3.90	8	0.01	14.95	9.61
4.00	8	0.01	14.95	9.53
4.10	8	0.01	14.95	9.44
4.20	8	0.01	14.95	9.36
4.30	8	0.01	14.95	9.28
4.40	10	0.01	18.69	11.50
4.50	9	0.01	16.82	10.27
4.60	8	0.01	14.95	9.05
4.70	10	0.01	18.69	11.22
4.80	14	0.01	26.16	15.58
4.90	11	0.01	20.56	12.14
5.00	10	0.01	18.69	10.94



Notes:

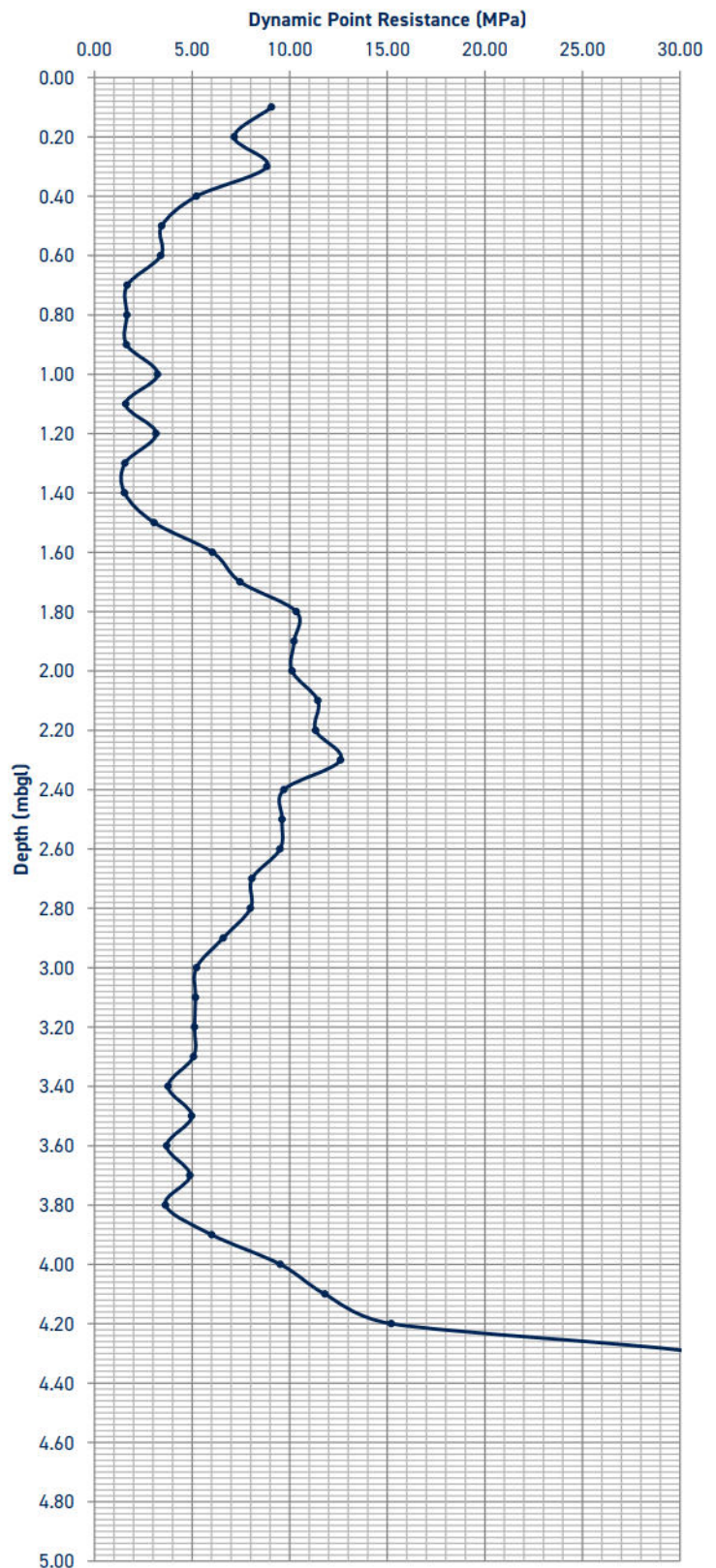
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS12**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	5	0.02	9.34	9.08
0.20	4	0.03	7.48	7.16
0.30	5	0.02	9.34	8.84
0.40	3	0.03	5.61	5.23
0.50	2	0.05	3.74	3.45
0.60	2	0.05	3.74	3.40
0.70	1	0.10	1.87	1.68
0.80	1	0.10	1.87	1.66
0.90	1	0.10	1.87	1.64
1.00	2	0.05	3.74	3.24
1.10	1	0.10	1.87	1.60
1.20	2	0.05	3.74	3.16
1.30	1	0.10	1.87	1.56
1.40	1	0.10	1.87	1.55
1.50	2	0.05	3.74	3.06
1.60	4	0.03	7.48	6.04
1.70	5	0.02	9.34	7.47
1.80	7	0.01	13.08	10.34
1.90	7	0.01	13.08	10.23
2.00	7	0.01	13.08	10.12
2.10	8	0.01	14.95	11.45
2.20	8	0.01	14.95	11.33
2.30	9	0.01	16.82	12.61
2.40	7	0.01	13.08	9.71
2.50	7	0.01	13.08	9.61
2.60	7	0.01	13.08	9.51
2.70	6	0.02	11.21	8.07
2.80	6	0.02	11.21	7.99
2.90	5	0.02	9.34	6.59
3.00	4	0.03	7.48	5.22
3.10	4	0.03	7.48	5.17
3.20	4	0.03	7.48	5.13
3.30	4	0.03	7.48	5.08
3.40	3	0.03	5.61	3.77
3.50	4	0.03	7.48	4.98
3.60	3	0.03	5.61	3.70
3.70	4	0.03	7.48	4.89
3.80	3	0.03	5.61	3.64
3.90	5	0.02	9.34	6.01
4.00	8	0.01	14.95	9.53
4.10	10	0.01	18.69	11.81
4.20	13	0.01	24.29	15.21
4.30	27	0.00	50.46	31.33
4.40	30	0.00	56.06	34.51
4.50				
4.60				
4.70				
4.80				
4.90				
5.00				



Notes:

No further progress below 4.40m depth - hammer bouncing.

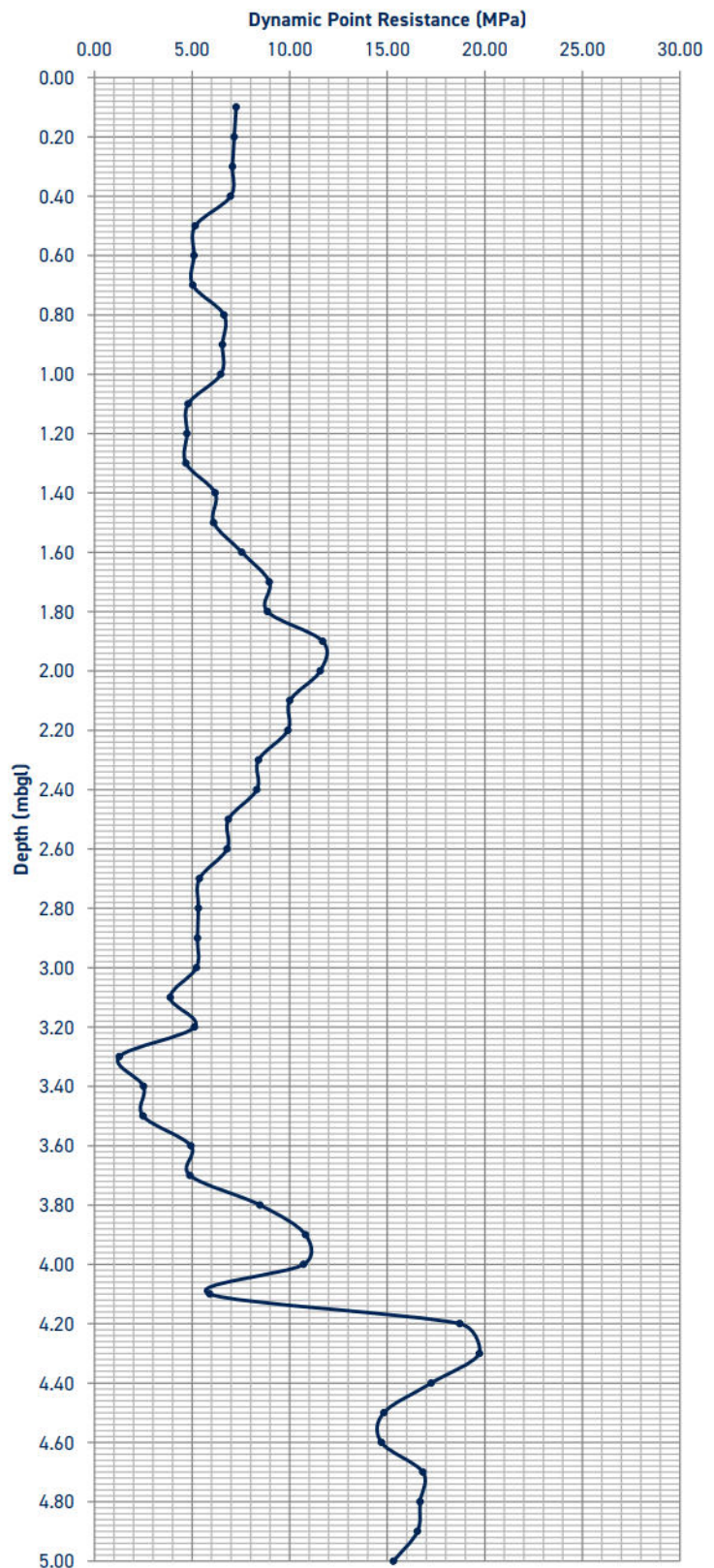
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS13**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	4	0.03	7.48	7.26
0.20	4	0.03	7.48	7.16
0.30	4	0.03	7.48	7.07
0.40	4	0.03	7.48	6.98
0.50	3	0.03	5.61	5.17
0.60	3	0.03	5.61	5.10
0.70	3	0.03	5.61	5.04
0.80	4	0.03	7.48	6.64
0.90	4	0.03	7.48	6.56
1.00	4	0.03	7.48	6.48
1.10	3	0.03	5.61	4.80
1.20	3	0.03	5.61	4.74
1.30	3	0.03	5.61	4.69
1.40	4	0.03	7.48	6.18
1.50	4	0.03	7.48	6.11
1.60	5	0.02	9.34	7.55
1.70	6	0.02	11.21	8.96
1.80	6	0.02	11.21	8.87
1.90	8	0.01	14.95	11.69
2.00	8	0.01	14.95	11.57
2.10	7	0.01	13.08	10.01
2.20	7	0.01	13.08	9.91
2.30	6	0.02	11.21	8.41
2.40	6	0.02	11.21	8.32
2.50	5	0.02	9.34	6.86
2.60	5	0.02	9.34	6.79
2.70	4	0.03	7.48	5.38
2.80	4	0.03	7.48	5.33
2.90	4	0.03	7.48	5.28
3.00	4	0.03	7.48	5.22
3.10	3	0.03	5.61	3.88
3.20	4	0.03	7.48	5.13
3.30	1	0.10	1.87	1.27
3.40	2	0.05	3.74	2.52
3.50	2	0.05	3.74	2.49
3.60	4	0.03	7.48	4.94
3.70	4	0.03	7.48	4.89
3.80	7	0.01	13.08	8.49
3.90	9	0.01	16.82	10.81
4.00	9	0.01	16.82	10.72
4.10	5	0.02	9.34	5.90
4.20	16	0.01	29.90	18.73
4.30	17	0.01	31.77	19.72
4.40	15	0.01	28.03	17.26
4.50	13	0.01	24.29	14.83
4.60	13	0.01	24.29	14.70
4.70	15	0.01	28.03	16.83
4.80	15	0.01	28.03	16.69
4.90	15	0.01	28.03	16.55
5.00	14	0.01	26.16	15.32



Notes:

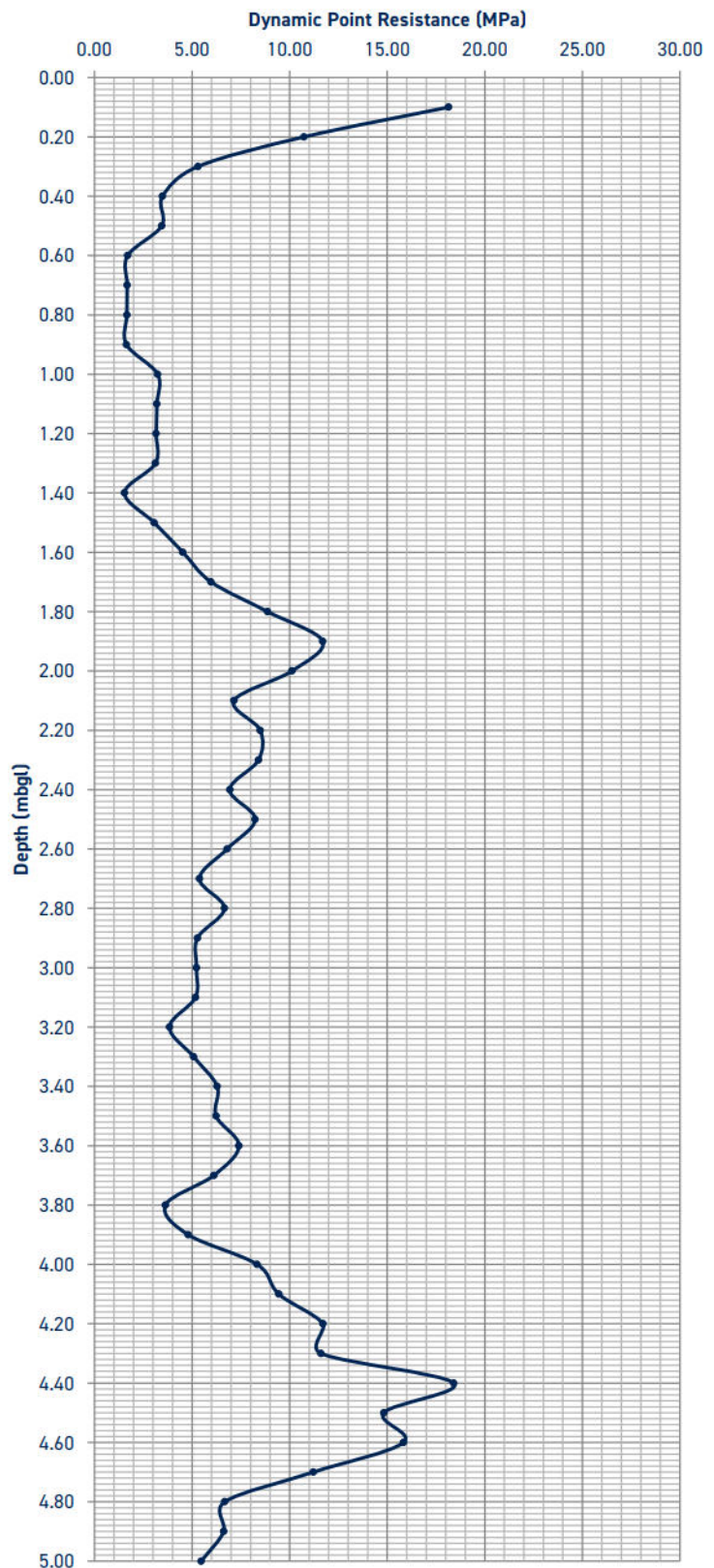
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS14**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	10	0.01	18.69	18.15
0.20	6	0.02	11.21	10.75
0.30	3	0.03	5.61	5.30
0.40	2	0.05	3.74	3.49
0.50	2	0.05	3.74	3.45
0.60	1	0.10	1.87	1.70
0.70	1	0.10	1.87	1.68
0.80	1	0.10	1.87	1.66
0.90	1	0.10	1.87	1.64
1.00	2	0.05	3.74	3.24
1.10	2	0.05	3.74	3.20
1.20	2	0.05	3.74	3.16
1.30	2	0.05	3.74	3.13
1.40	1	0.10	1.87	1.55
1.50	2	0.05	3.74	3.06
1.60	3	0.03	5.61	4.53
1.70	4	0.03	7.48	5.98
1.80	6	0.02	11.21	8.87
1.90	8	0.01	14.95	11.69
2.00	7	0.01	13.08	10.12
2.10	5	0.02	9.34	7.15
2.20	6	0.02	11.21	8.49
2.30	6	0.02	11.21	8.41
2.40	5	0.02	9.34	6.93
2.50	6	0.02	11.21	8.23
2.60	5	0.02	9.34	6.79
2.70	4	0.03	7.48	5.38
2.80	5	0.02	9.34	6.66
2.90	4	0.03	7.48	5.28
3.00	4	0.03	7.48	5.22
3.10	4	0.03	7.48	5.17
3.20	3	0.03	5.61	3.84
3.30	4	0.03	7.48	5.08
3.40	5	0.02	9.34	6.29
3.50	5	0.02	9.34	6.23
3.60	6	0.02	11.21	7.41
3.70	5	0.02	9.34	6.12
3.80	3	0.03	5.61	3.64
3.90	4	0.03	7.48	4.81
4.00	7	0.01	13.08	8.34
4.10	8	0.01	14.95	9.44
4.20	10	0.01	18.69	11.70
4.30	10	0.01	18.69	11.60
4.40	16	0.01	29.90	18.41
4.50	13	0.01	24.29	14.83
4.60	14	0.01	26.16	15.84
4.70	10	0.01	18.69	11.22
4.80	6	0.02	11.21	6.68
4.90	6	0.02	11.21	6.62
5.00	5	0.02	9.34	5.47



Notes:

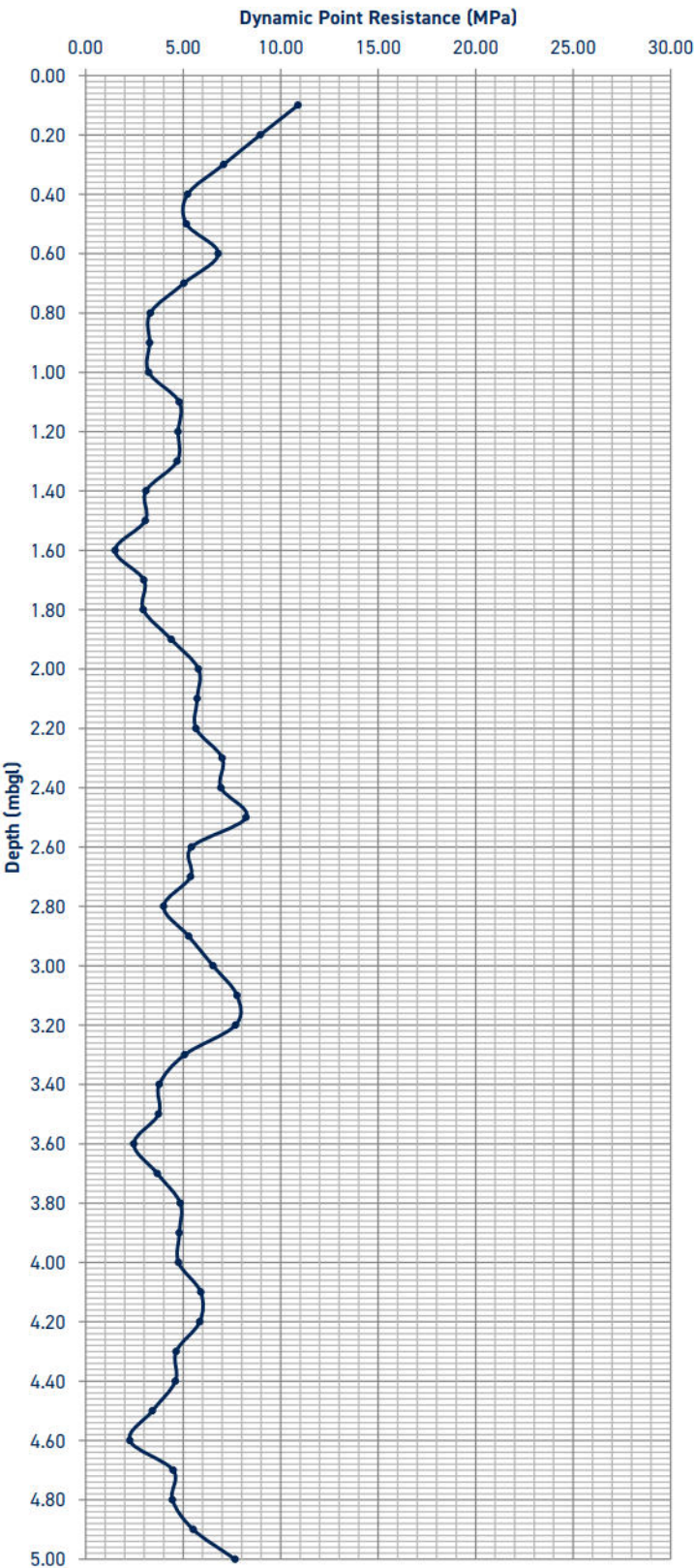
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS15**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	6	0.02	11.21	10.89
0.20	5	0.02	9.34	8.96
0.30	4	0.03	7.48	7.07
0.40	3	0.03	5.61	5.23
0.50	3	0.03	5.61	5.17
0.60	4	0.03	7.48	6.80
0.70	3	0.03	5.61	5.04
0.80	2	0.05	3.74	3.32
0.90	2	0.05	3.74	3.28
1.00	2	0.05	3.74	3.24
1.10	3	0.03	5.61	4.80
1.20	3	0.03	5.61	4.74
1.30	3	0.03	5.61	4.69
1.40	2	0.05	3.74	3.09
1.50	2	0.05	3.74	3.06
1.60	1	0.10	1.87	1.51
1.70	2	0.05	3.74	2.99
1.80	2	0.05	3.74	2.96
1.90	3	0.03	5.61	4.38
2.00	4	0.03	7.48	5.78
2.10	4	0.03	7.48	5.72
2.20	4	0.03	7.48	5.66
2.30	5	0.02	9.34	7.00
2.40	5	0.02	9.34	6.93
2.50	6	0.02	11.21	8.23
2.60	4	0.03	7.48	5.43
2.70	4	0.03	7.48	5.38
2.80	3	0.03	5.61	4.00
2.90	4	0.03	7.48	5.28
3.00	5	0.02	9.34	6.53
3.10	6	0.02	11.21	7.76
3.20	6	0.02	11.21	7.69
3.30	4	0.03	7.48	5.08
3.40	3	0.03	5.61	3.77
3.50	3	0.03	5.61	3.74
3.60	2	0.05	3.74	2.47
3.70	3	0.03	5.61	3.67
3.80	4	0.03	7.48	4.85
3.90	4	0.03	7.48	4.81
4.00	4	0.03	7.48	4.76
4.10	5	0.02	9.34	5.90
4.20	5	0.02	9.34	5.85
4.30	4	0.03	7.48	4.64
4.40	4	0.03	7.48	4.60
4.50	3	0.03	5.61	3.42
4.60	2	0.05	3.74	2.26
4.70	4	0.03	7.48	4.49
4.80	4	0.03	7.48	4.45
4.90	5	0.02	9.34	5.52
5.00	7	0.01	13.08	7.66



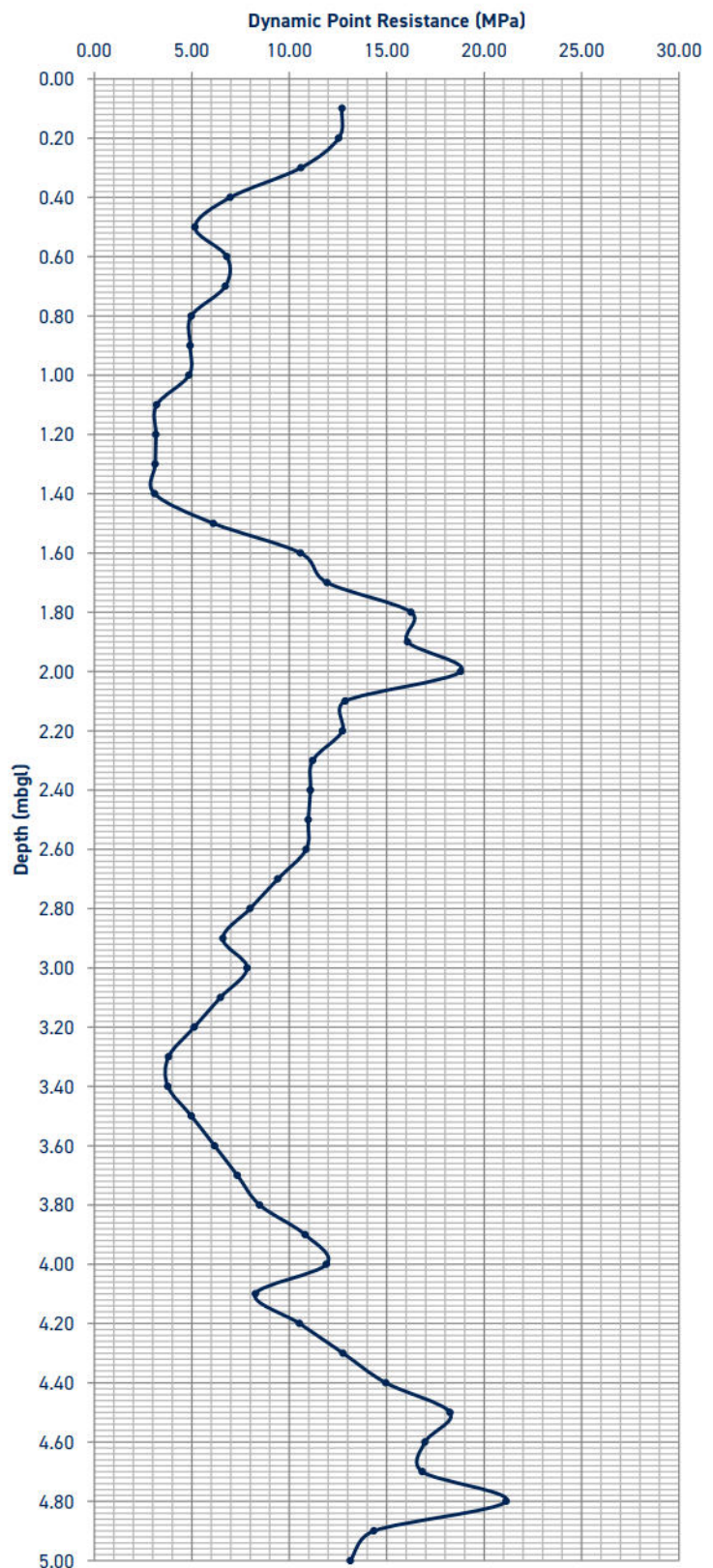
Notes:	Hammer Mass	63.5 kg
	Fall Height	0.76 m
	Cone Area	0.0019 m ²
	E _{theor}	473 J
	Energy Ratio	0.75
	Anvil Mass	1 kg
	Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS16**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	7	0.01	13.08	12.71
0.20	7	0.01	13.08	12.54
0.30	6	0.02	11.21	10.61
0.40	4	0.03	7.48	6.98
0.50	3	0.03	5.61	5.17
0.60	4	0.03	7.48	6.80
0.70	4	0.03	7.48	6.72
0.80	3	0.03	5.61	4.98
0.90	3	0.03	5.61	4.92
1.00	3	0.03	5.61	4.86
1.10	2	0.05	3.74	3.20
1.20	2	0.05	3.74	3.16
1.30	2	0.05	3.74	3.13
1.40	2	0.05	3.74	3.09
1.50	4	0.03	7.48	6.11
1.60	7	0.01	13.08	10.57
1.70	8	0.01	14.95	11.95
1.80	11	0.01	20.56	16.25
1.90	11	0.01	20.56	16.08
2.00	13	0.01	24.29	18.80
2.10	9	0.01	16.82	12.88
2.20	9	0.01	16.82	12.74
2.30	8	0.01	14.95	11.21
2.40	8	0.01	14.95	11.09
2.50	8	0.01	14.95	10.98
2.60	8	0.01	14.95	10.87
2.70	7	0.01	13.08	9.42
2.80	6	0.02	11.21	7.99
2.90	5	0.02	9.34	6.59
3.00	6	0.02	11.21	7.84
3.10	5	0.02	9.34	6.47
3.20	4	0.03	7.48	5.13
3.30	3	0.03	5.61	3.81
3.40	3	0.03	5.61	3.77
3.50	4	0.03	7.48	4.98
3.60	5	0.02	9.34	6.17
3.70	6	0.02	11.21	7.34
3.80	7	0.01	13.08	8.49
3.90	9	0.01	16.82	10.81
4.00	10	0.01	18.69	11.91
4.10	7	0.01	13.08	8.26
4.20	9	0.01	16.82	10.53
4.30	11	0.01	20.56	12.76
4.40	13	0.01	24.29	14.96
4.50	16	0.01	29.90	18.25
4.60	15	0.01	28.03	16.97
4.70	15	0.01	28.03	16.83
4.80	19	0.01	35.51	21.14
4.90	13	0.01	24.29	14.34
5.00	12	0.01	22.43	13.13



Notes:

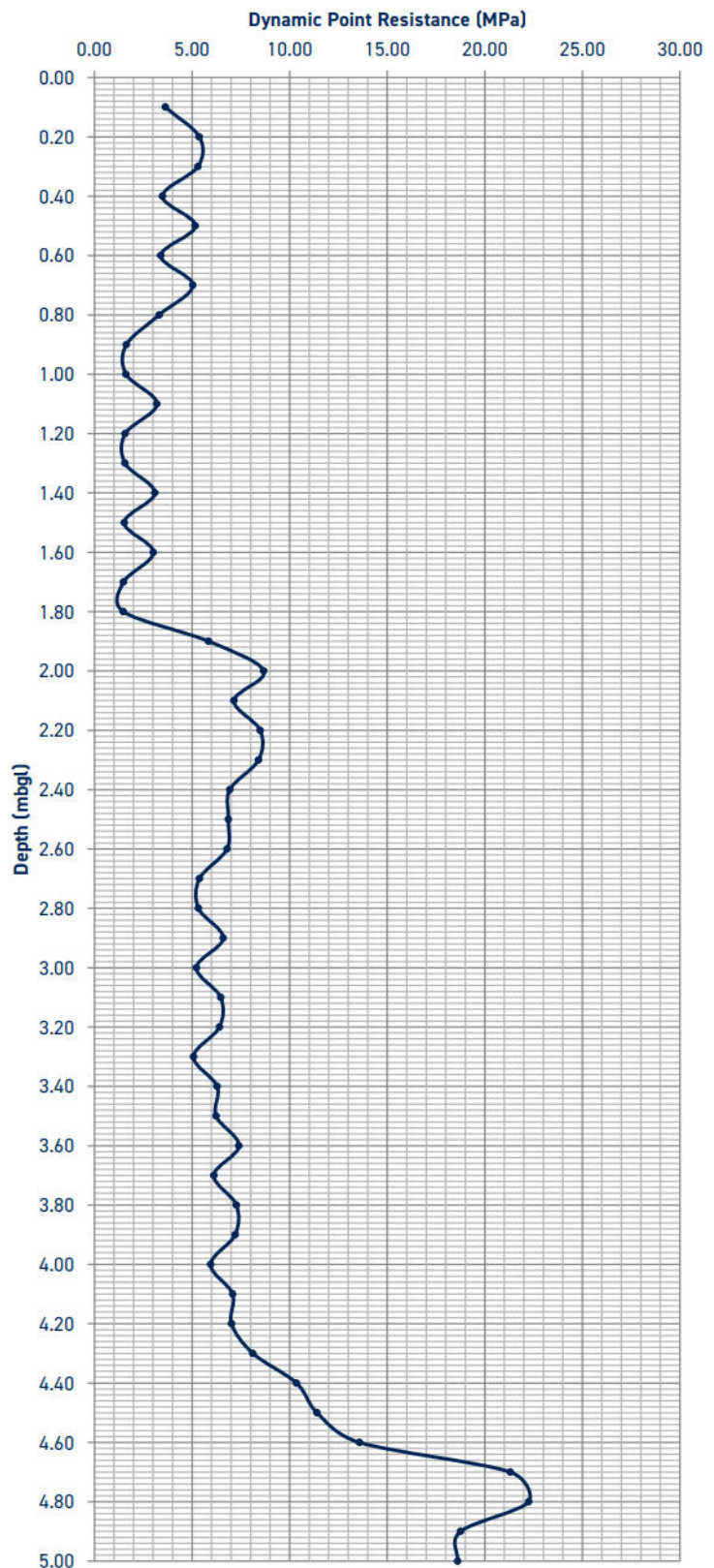
Hammer Mass 63.5 kg
 Fall Height 0.76 m
 Cone Area 0.0019 m²
 E_{theor} 473 J
 Energy Ratio 0.75
 Anvil Mass 1 kg
 Rod Mass 8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS17**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	2	0.05	3.74	3.63
0.20	3	0.03	5.61	5.37
0.30	3	0.03	5.61	5.30
0.40	2	0.05	3.74	3.49
0.50	3	0.03	5.61	5.17
0.60	2	0.05	3.74	3.40
0.70	3	0.03	5.61	5.04
0.80	2	0.05	3.74	3.32
0.90	1	0.10	1.87	1.64
1.00	1	0.10	1.87	1.62
1.10	2	0.05	3.74	3.20
1.20	1	0.10	1.87	1.58
1.30	1	0.10	1.87	1.56
1.40	2	0.05	3.74	3.09
1.50	1	0.10	1.87	1.53
1.60	2	0.05	3.74	3.02
1.70	1	0.10	1.87	1.49
1.80	1	0.10	1.87	1.48
1.90	4	0.03	7.48	5.85
2.00	6	0.02	11.21	8.68
2.10	5	0.02	9.34	7.15
2.20	6	0.02	11.21	8.49
2.30	6	0.02	11.21	8.41
2.40	5	0.02	9.34	6.93
2.50	5	0.02	9.34	6.86
2.60	5	0.02	9.34	6.79
2.70	4	0.03	7.48	5.38
2.80	4	0.03	7.48	5.33
2.90	5	0.02	9.34	6.59
3.00	4	0.03	7.48	5.22
3.10	5	0.02	9.34	6.47
3.20	5	0.02	9.34	6.41
3.30	4	0.03	7.48	5.08
3.40	5	0.02	9.34	6.29
3.50	5	0.02	9.34	6.23
3.60	6	0.02	11.21	7.41
3.70	5	0.02	9.34	6.12
3.80	6	0.02	11.21	7.27
3.90	6	0.02	11.21	7.21
4.00	5	0.02	9.34	5.95
4.10	6	0.02	11.21	7.08
4.20	6	0.02	11.21	7.02
4.30	7	0.01	13.08	8.12
4.40	9	0.01	16.82	10.35
4.50	10	0.01	18.69	11.41
4.60	12	0.01	22.43	13.57
4.70	19	0.01	35.51	21.31
4.80	20	0.01	37.38	22.25
4.90	17	0.01	31.77	18.76
5.00	17	0.01	31.77	18.61



Notes:

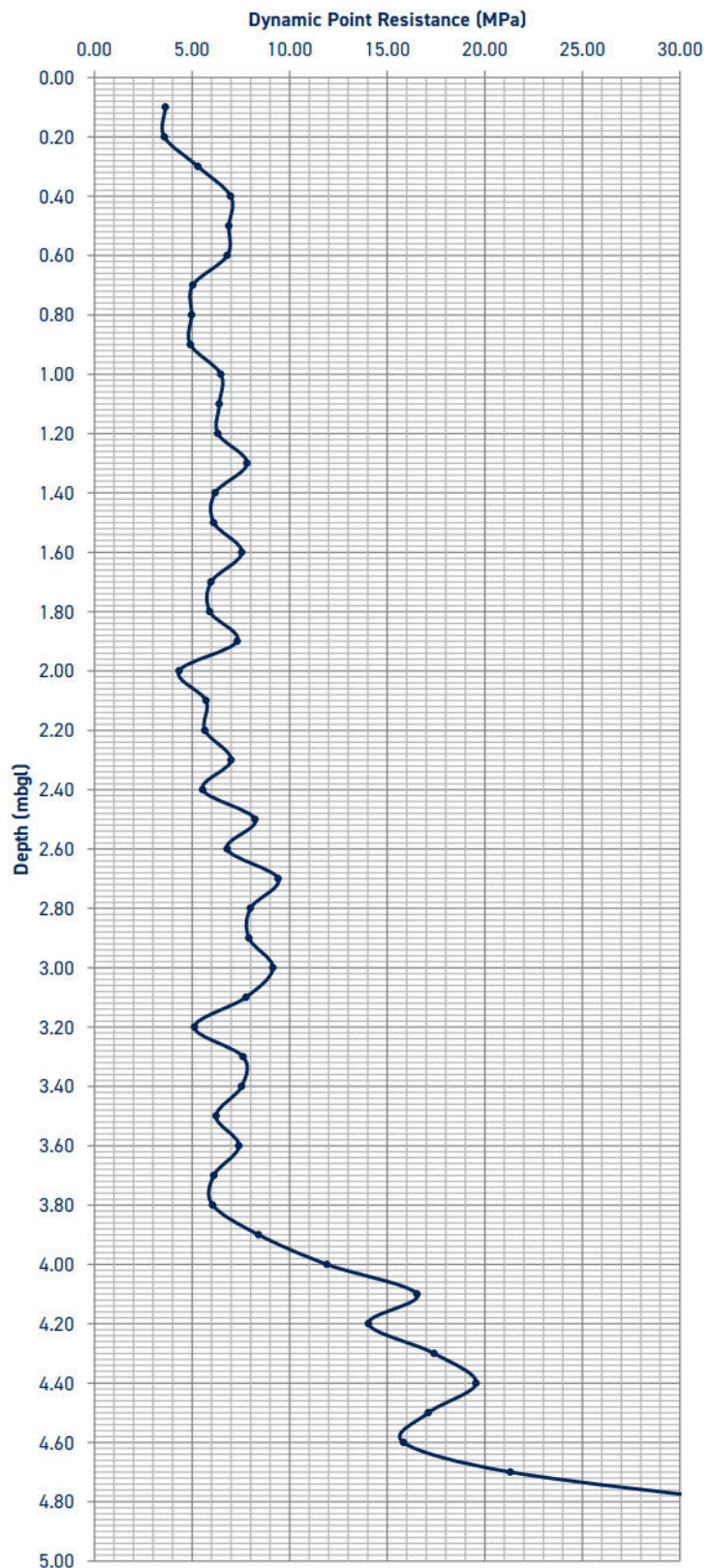
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS18**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	2	0.05	3.74	3.63
0.20	2	0.05	3.74	3.58
0.30	3	0.03	5.61	5.30
0.40	4	0.03	7.48	6.98
0.50	4	0.03	7.48	6.89
0.60	4	0.03	7.48	6.80
0.70	3	0.03	5.61	5.04
0.80	3	0.03	5.61	4.98
0.90	3	0.03	5.61	4.92
1.00	4	0.03	7.48	6.48
1.10	4	0.03	7.48	6.40
1.20	4	0.03	7.48	6.33
1.30	5	0.02	9.34	7.82
1.40	4	0.03	7.48	6.18
1.50	4	0.03	7.48	6.11
1.60	5	0.02	9.34	7.55
1.70	4	0.03	7.48	5.98
1.80	4	0.03	7.48	5.91
1.90	5	0.02	9.34	7.31
2.00	3	0.03	5.61	4.34
2.10	4	0.03	7.48	5.72
2.20	4	0.03	7.48	5.66
2.30	5	0.02	9.34	7.00
2.40	4	0.03	7.48	5.55
2.50	6	0.02	11.21	8.23
2.60	5	0.02	9.34	6.79
2.70	7	0.01	13.08	9.42
2.80	6	0.02	11.21	7.99
2.90	6	0.02	11.21	7.91
3.00	7	0.01	13.08	9.14
3.10	6	0.02	11.21	7.76
3.20	4	0.03	7.48	5.13
3.30	6	0.02	11.21	7.62
3.40	6	0.02	11.21	7.55
3.50	5	0.02	9.34	6.23
3.60	6	0.02	11.21	7.41
3.70	5	0.02	9.34	6.12
3.80	5	0.02	9.34	6.06
3.90	7	0.01	13.08	8.41
4.00	10	0.01	18.69	11.91
4.10	14	0.01	26.16	16.53
4.20	12	0.01	22.43	14.04
4.30	15	0.01	28.03	17.40
4.40	17	0.01	31.77	19.56
4.50	15	0.01	28.03	17.11
4.60	14	0.01	26.16	15.84
4.70	19	0.01	35.51	21.31
4.80	30	0.00	56.06	33.38
4.90				
5.00				



Notes:

No further progress below 4.80m depth - hammer bouncing.

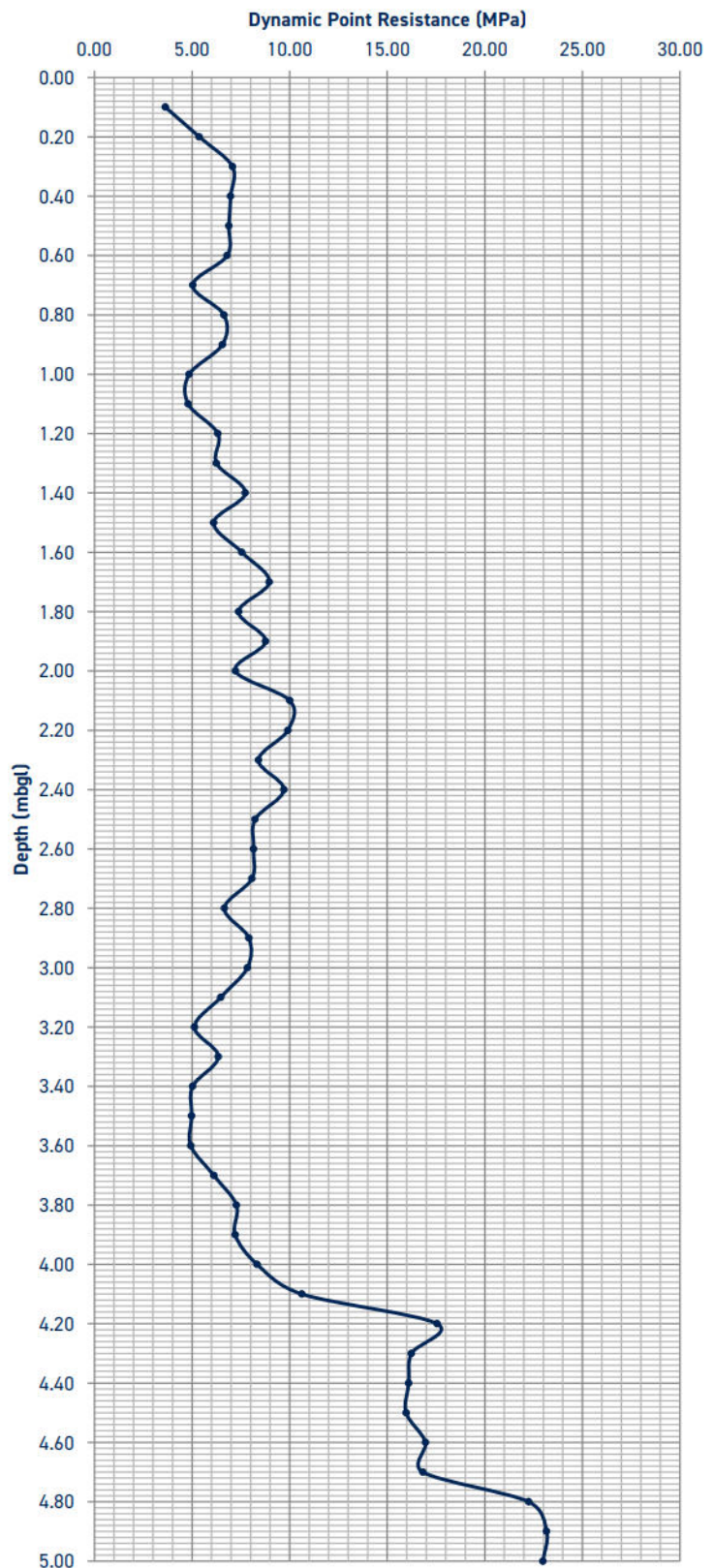
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS19**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	2	0.05	3.74	3.63
0.20	3	0.03	5.61	5.37
0.30	4	0.03	7.48	7.07
0.40	4	0.03	7.48	6.98
0.50	4	0.03	7.48	6.89
0.60	4	0.03	7.48	6.80
0.70	3	0.03	5.61	5.04
0.80	4	0.03	7.48	6.64
0.90	4	0.03	7.48	6.56
1.00	3	0.03	5.61	4.86
1.10	3	0.03	5.61	4.80
1.20	4	0.03	7.48	6.33
1.30	4	0.03	7.48	6.25
1.40	5	0.02	9.34	7.73
1.50	4	0.03	7.48	6.11
1.60	5	0.02	9.34	7.55
1.70	6	0.02	11.21	8.96
1.80	5	0.02	9.34	7.39
1.90	6	0.02	11.21	8.77
2.00	5	0.02	9.34	7.23
2.10	7	0.01	13.08	10.01
2.20	7	0.01	13.08	9.91
2.30	6	0.02	11.21	8.41
2.40	7	0.01	13.08	9.71
2.50	6	0.02	11.21	8.23
2.60	6	0.02	11.21	8.15
2.70	6	0.02	11.21	8.07
2.80	5	0.02	9.34	6.66
2.90	6	0.02	11.21	7.91
3.00	6	0.02	11.21	7.84
3.10	5	0.02	9.34	6.47
3.20	4	0.03	7.48	5.13
3.30	5	0.02	9.34	6.35
3.40	4	0.03	7.48	5.03
3.50	4	0.03	7.48	4.98
3.60	4	0.03	7.48	4.94
3.70	5	0.02	9.34	6.12
3.80	6	0.02	11.21	7.27
3.90	6	0.02	11.21	7.21
4.00	7	0.01	13.08	8.34
4.10	9	0.01	16.82	10.63
4.20	15	0.01	28.03	17.56
4.30	14	0.01	26.16	16.24
4.40	14	0.01	26.16	16.11
4.50	14	0.01	26.16	15.97
4.60	15	0.01	28.03	16.97
4.70	15	0.01	28.03	16.83
4.80	20	0.01	37.38	22.25
4.90	21	0.00	39.24	23.17
5.00	21	0.00	39.24	22.98



Notes:

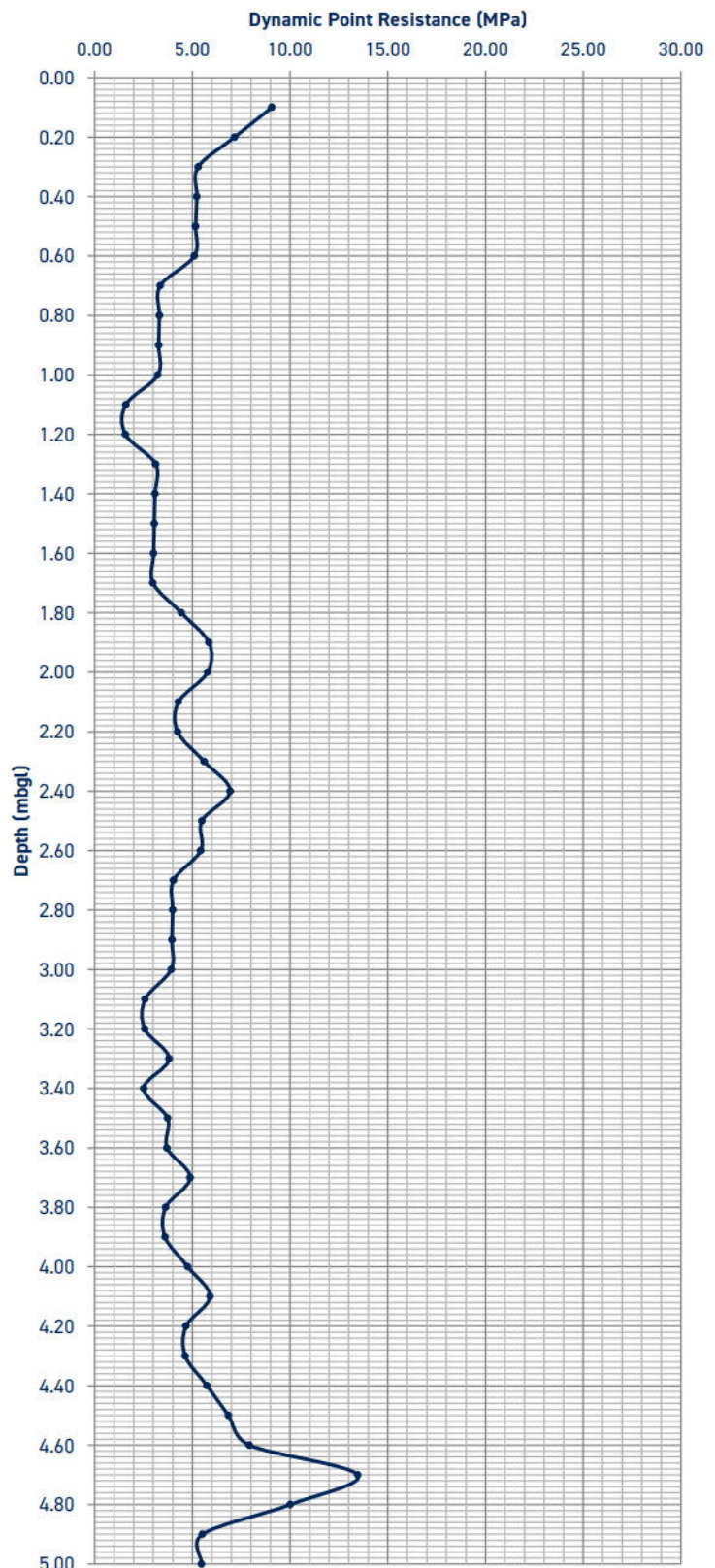
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS20**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	5	0.02	9.34	9.08
0.20	4	0.03	7.48	7.16
0.30	3	0.03	5.61	5.30
0.40	3	0.03	5.61	5.23
0.50	3	0.03	5.61	5.17
0.60	3	0.03	5.61	5.10
0.70	2	0.05	3.74	3.36
0.80	2	0.05	3.74	3.32
0.90	2	0.05	3.74	3.28
1.00	2	0.05	3.74	3.24
1.10	1	0.10	1.87	1.60
1.20	1	0.10	1.87	1.58
1.30	2	0.05	3.74	3.13
1.40	2	0.05	3.74	3.09
1.50	2	0.05	3.74	3.06
1.60	2	0.05	3.74	3.02
1.70	2	0.05	3.74	2.99
1.80	3	0.03	5.61	4.43
1.90	4	0.03	7.48	5.85
2.00	4	0.03	7.48	5.78
2.10	3	0.03	5.61	4.29
2.20	3	0.03	5.61	4.25
2.30	4	0.03	7.48	5.60
2.40	5	0.02	9.34	6.93
2.50	4	0.03	7.48	5.49
2.60	4	0.03	7.48	5.43
2.70	3	0.03	5.61	4.04
2.80	3	0.03	5.61	4.00
2.90	3	0.03	5.61	3.96
3.00	3	0.03	5.61	3.92
3.10	2	0.05	3.74	2.59
3.20	2	0.05	3.74	2.56
3.30	3	0.03	5.61	3.81
3.40	2	0.05	3.74	2.52
3.50	3	0.03	5.61	3.74
3.60	3	0.03	5.61	3.70
3.70	4	0.03	7.48	4.89
3.80	3	0.03	5.61	3.64
3.90	3	0.03	5.61	3.60
4.00	4	0.03	7.48	4.76
4.10	5	0.02	9.34	5.90
4.20	4	0.03	7.48	4.68
4.30	4	0.03	7.48	4.64
4.40	5	0.02	9.34	5.75
4.50	6	0.02	11.21	6.84
4.60	7	0.01	13.08	7.92
4.70	12	0.01	22.43	13.46
4.80	9	0.01	16.82	10.01
4.90	5	0.02	9.34	5.52
5.00	5	0.02	9.34	5.47



Notes:

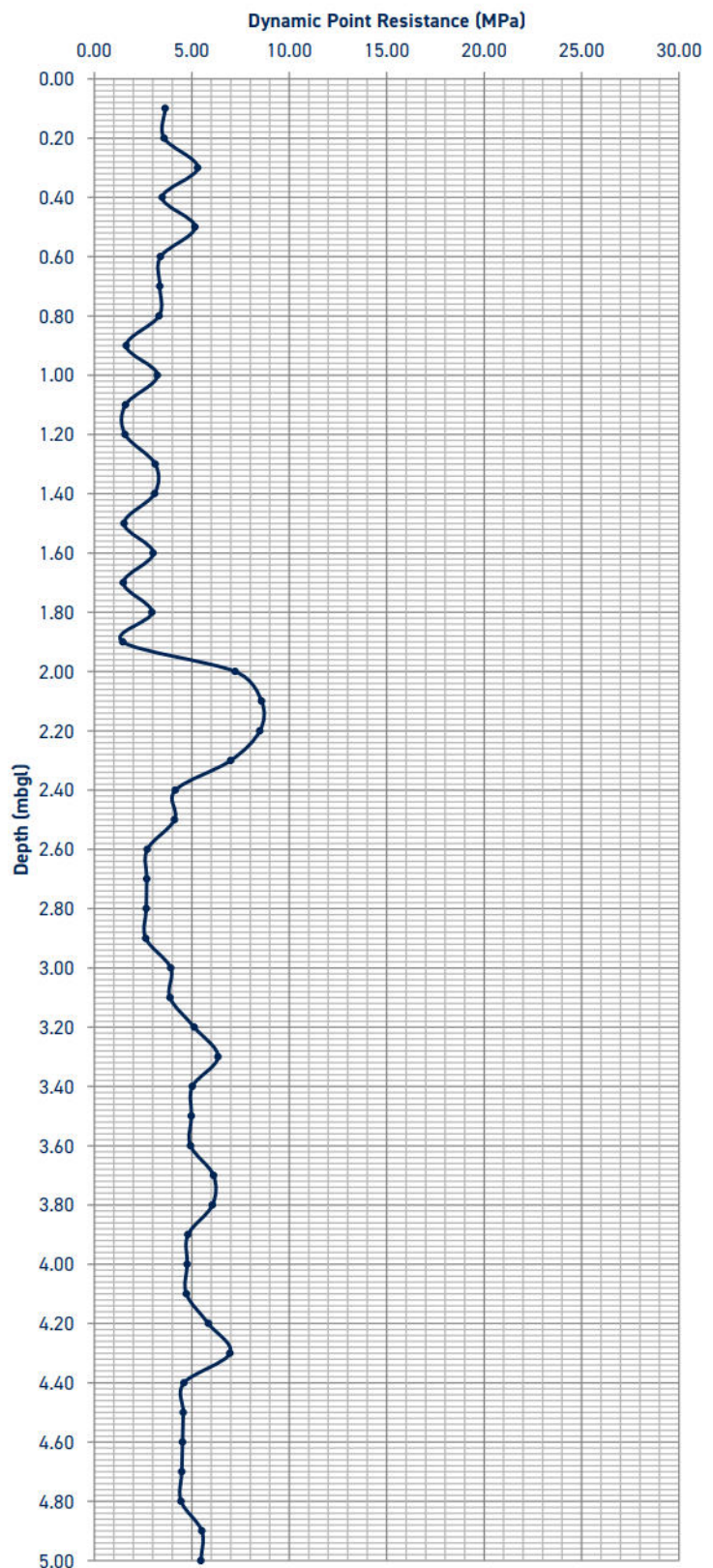
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS21**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	2	0.05	3.74	3.63
0.20	2	0.05	3.74	3.58
0.30	3	0.03	5.61	5.30
0.40	2	0.05	3.74	3.49
0.50	3	0.03	5.61	5.17
0.60	2	0.05	3.74	3.40
0.70	2	0.05	3.74	3.36
0.80	2	0.05	3.74	3.32
0.90	1	0.10	1.87	1.64
1.00	2	0.05	3.74	3.24
1.10	1	0.10	1.87	1.60
1.20	1	0.10	1.87	1.58
1.30	2	0.05	3.74	3.13
1.40	2	0.05	3.74	3.09
1.50	1	0.10	1.87	1.53
1.60	2	0.05	3.74	3.02
1.70	1	0.10	1.87	1.49
1.80	2	0.05	3.74	2.96
1.90	1	0.10	1.87	1.46
2.00	5	0.02	9.34	7.23
2.10	6	0.02	11.21	8.58
2.20	6	0.02	11.21	8.49
2.30	5	0.02	9.34	7.00
2.40	3	0.03	5.61	4.16
2.50	3	0.03	5.61	4.12
2.60	2	0.05	3.74	2.72
2.70	2	0.05	3.74	2.69
2.80	2	0.05	3.74	2.66
2.90	2	0.05	3.74	2.64
3.00	3	0.03	5.61	3.92
3.10	3	0.03	5.61	3.88
3.20	4	0.03	7.48	5.13
3.30	5	0.02	9.34	6.35
3.40	4	0.03	7.48	5.03
3.50	4	0.03	7.48	4.98
3.60	4	0.03	7.48	4.94
3.70	5	0.02	9.34	6.12
3.80	5	0.02	9.34	6.06
3.90	4	0.03	7.48	4.81
4.00	4	0.03	7.48	4.76
4.10	4	0.03	7.48	4.72
4.20	5	0.02	9.34	5.85
4.30	6	0.02	11.21	6.96
4.40	4	0.03	7.48	4.60
4.50	4	0.03	7.48	4.56
4.60	4	0.03	7.48	4.52
4.70	4	0.03	7.48	4.49
4.80	4	0.03	7.48	4.45
4.90	5	0.02	9.34	5.52
5.00	5	0.02	9.34	5.47



Notes:

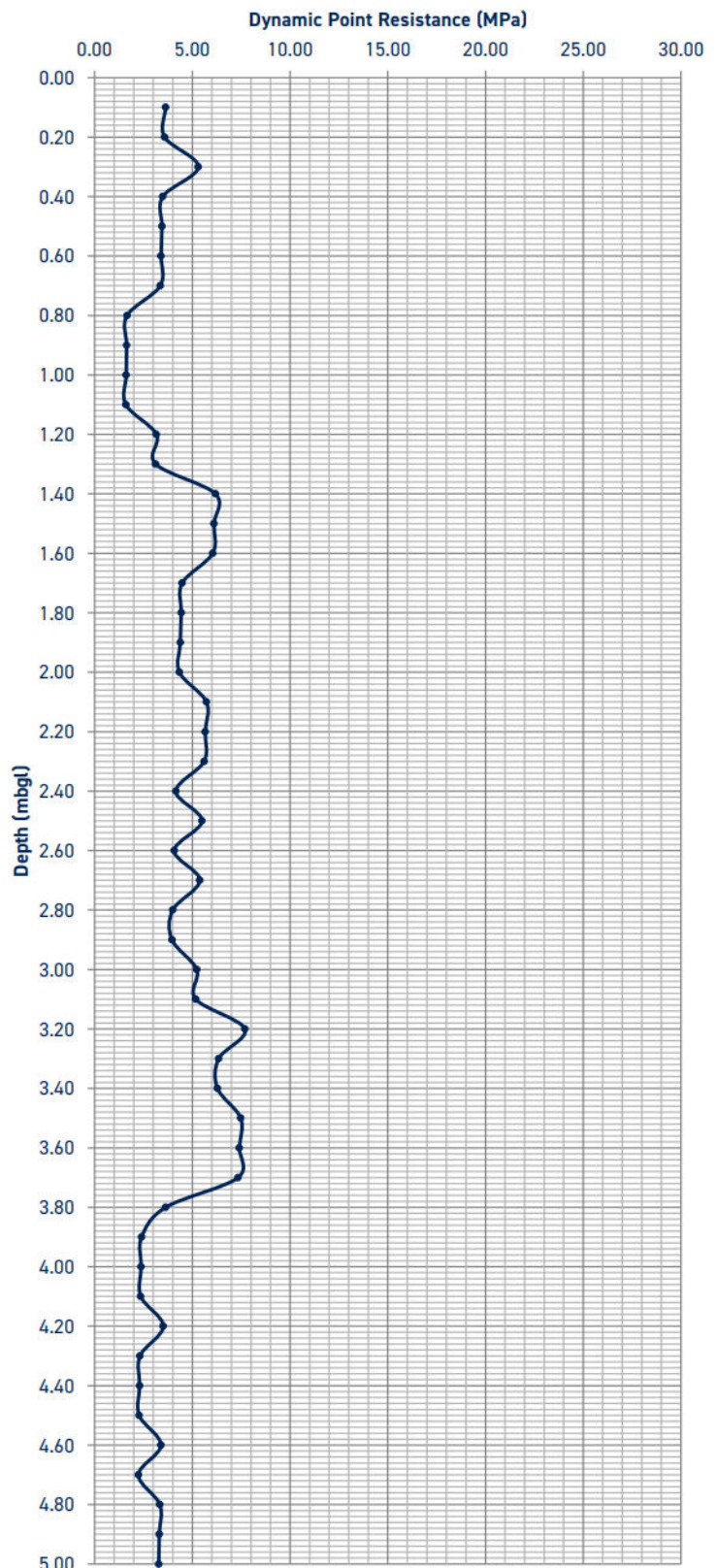
Hammer Mass 63.5 kg
 Fall Height 0.76 m
 Cone Area 0.0019 m²
 E_{theor} 473 J
 Energy Ratio 0.75
 Anvil Mass 1 kg
 Rod Mass 8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS22**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	2	0.05	3.74	3.63
0.20	2	0.05	3.74	3.58
0.30	3	0.03	5.61	5.30
0.40	2	0.05	3.74	3.49
0.50	2	0.05	3.74	3.45
0.60	2	0.05	3.74	3.40
0.70	2	0.05	3.74	3.36
0.80	1	0.10	1.87	1.66
0.90	1	0.10	1.87	1.64
1.00	1	0.10	1.87	1.62
1.10	1	0.10	1.87	1.60
1.20	2	0.05	3.74	3.16
1.30	2	0.05	3.74	3.13
1.40	4	0.03	7.48	6.18
1.50	4	0.03	7.48	6.11
1.60	4	0.03	7.48	6.04
1.70	3	0.03	5.61	4.48
1.80	3	0.03	5.61	4.43
1.90	3	0.03	5.61	4.38
2.00	3	0.03	5.61	4.34
2.10	4	0.03	7.48	5.72
2.20	4	0.03	7.48	5.66
2.30	4	0.03	7.48	5.60
2.40	3	0.03	5.61	4.16
2.50	4	0.03	7.48	5.49
2.60	3	0.03	5.61	4.08
2.70	4	0.03	7.48	5.38
2.80	3	0.03	5.61	4.00
2.90	3	0.03	5.61	3.96
3.00	4	0.03	7.48	5.22
3.10	4	0.03	7.48	5.17
3.20	6	0.02	11.21	7.69
3.30	5	0.02	9.34	6.35
3.40	5	0.02	9.34	6.29
3.50	6	0.02	11.21	7.48
3.60	6	0.02	11.21	7.41
3.70	6	0.02	11.21	7.34
3.80	3	0.03	5.61	3.64
3.90	2	0.05	3.74	2.40
4.00	2	0.05	3.74	2.38
4.10	2	0.05	3.74	2.36
4.20	3	0.03	5.61	3.51
4.30	2	0.05	3.74	2.32
4.40	2	0.05	3.74	2.30
4.50	2	0.05	3.74	2.28
4.60	3	0.03	5.61	3.39
4.70	2	0.05	3.74	2.24
4.80	3	0.03	5.61	3.34
4.90	3	0.03	5.61	3.31
5.00	3	0.03	5.61	3.28



Notes:

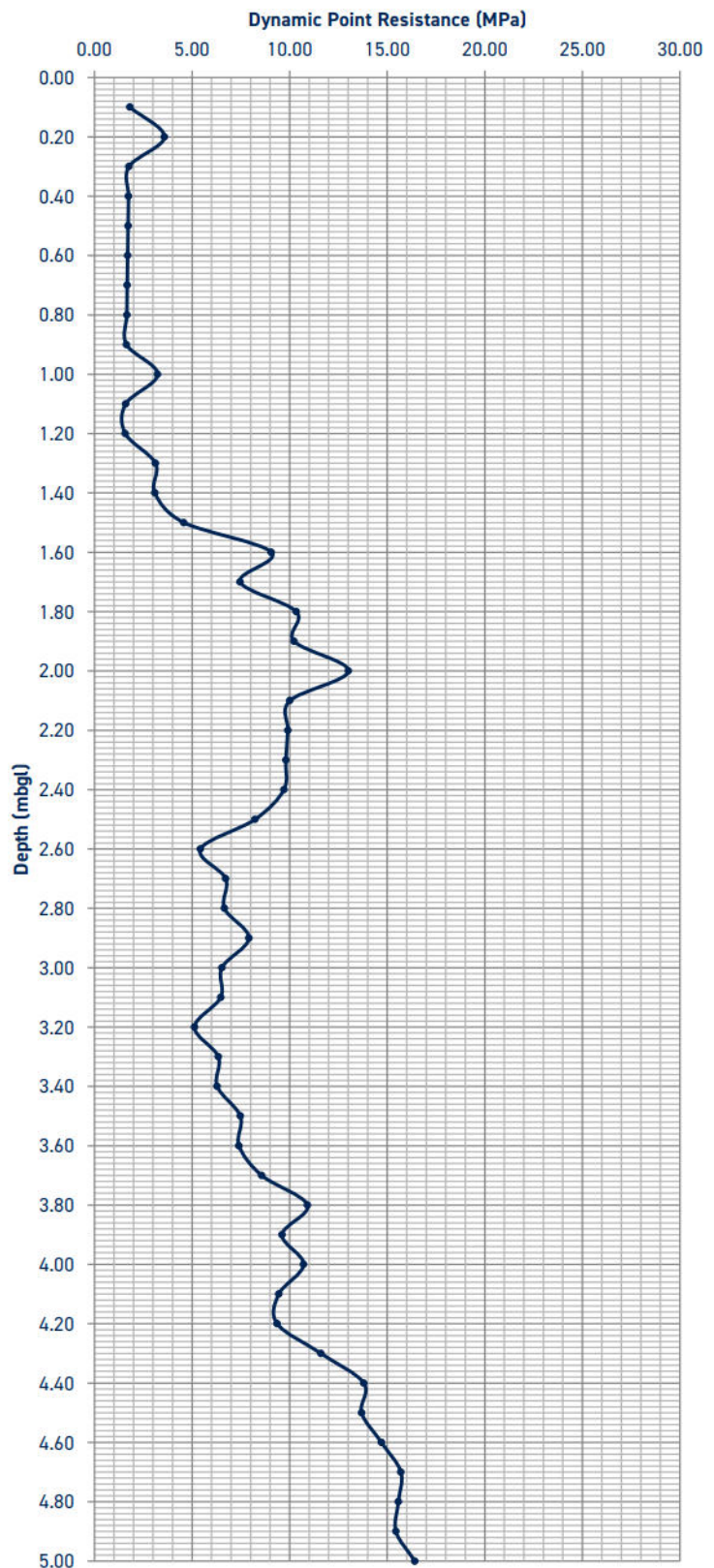
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS23**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	1	0.10	1.87	1.82
0.20	2	0.05	3.74	3.58
0.30	1	0.10	1.87	1.77
0.40	1	0.10	1.87	1.74
0.50	1	0.10	1.87	1.72
0.60	1	0.10	1.87	1.70
0.70	1	0.10	1.87	1.68
0.80	1	0.10	1.87	1.66
0.90	1	0.10	1.87	1.64
1.00	2	0.05	3.74	3.24
1.10	1	0.10	1.87	1.60
1.20	1	0.10	1.87	1.58
1.30	2	0.05	3.74	3.13
1.40	2	0.05	3.74	3.09
1.50	3	0.03	5.61	4.58
1.60	6	0.02	11.21	9.06
1.70	5	0.02	9.34	7.47
1.80	7	0.01	13.08	10.34
1.90	7	0.01	13.08	10.23
2.00	9	0.01	16.82	13.01
2.10	7	0.01	13.08	10.01
2.20	7	0.01	13.08	9.91
2.30	7	0.01	13.08	9.81
2.40	7	0.01	13.08	9.71
2.50	6	0.02	11.21	8.23
2.60	4	0.03	7.48	5.43
2.70	5	0.02	9.34	6.73
2.80	5	0.02	9.34	6.66
2.90	6	0.02	11.21	7.91
3.00	5	0.02	9.34	6.53
3.10	5	0.02	9.34	6.47
3.20	4	0.03	7.48	5.13
3.30	5	0.02	9.34	6.35
3.40	5	0.02	9.34	6.29
3.50	6	0.02	11.21	7.48
3.60	6	0.02	11.21	7.41
3.70	7	0.01	13.08	8.56
3.80	9	0.01	16.82	10.91
3.90	8	0.01	14.95	9.61
4.00	9	0.01	16.82	10.72
4.10	8	0.01	14.95	9.44
4.20	8	0.01	14.95	9.36
4.30	10	0.01	18.69	11.60
4.40	12	0.01	22.43	13.80
4.50	12	0.01	22.43	13.69
4.60	13	0.01	24.29	14.70
4.70	14	0.01	26.16	15.70
4.80	14	0.01	26.16	15.58
4.90	14	0.01	26.16	15.45
5.00	15	0.01	28.03	16.42



Notes:

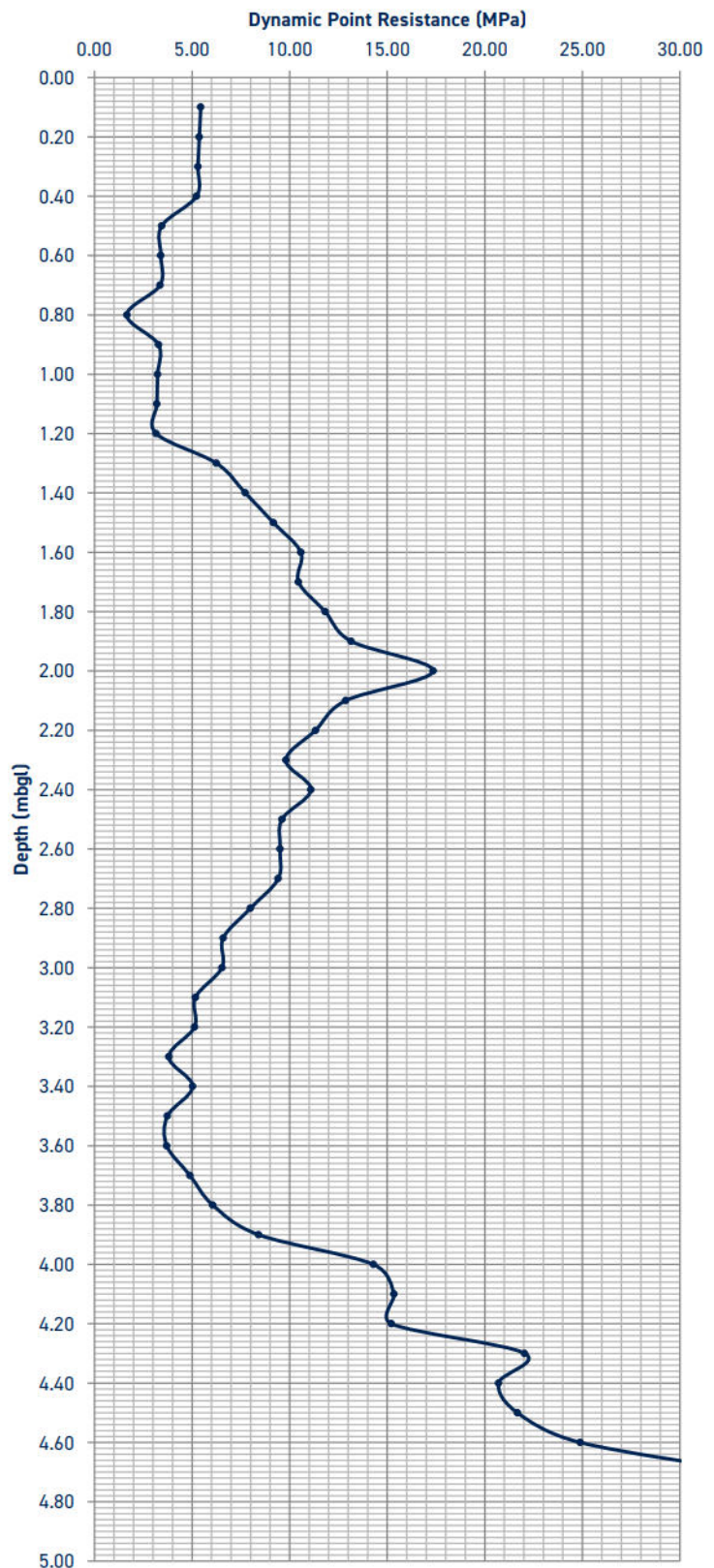
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS24**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	3	0.03	5.61	5.45
0.20	3	0.03	5.61	5.37
0.30	3	0.03	5.61	5.30
0.40	3	0.03	5.61	5.23
0.50	2	0.05	3.74	3.45
0.60	2	0.05	3.74	3.40
0.70	2	0.05	3.74	3.36
0.80	1	0.10	1.87	1.66
0.90	2	0.05	3.74	3.28
1.00	2	0.05	3.74	3.24
1.10	2	0.05	3.74	3.20
1.20	2	0.05	3.74	3.16
1.30	4	0.03	7.48	6.25
1.40	5	0.02	9.34	7.73
1.50	6	0.02	11.21	9.17
1.60	7	0.01	13.08	10.57
1.70	7	0.01	13.08	10.46
1.80	8	0.01	14.95	11.82
1.90	9	0.01	16.82	13.15
2.00	12	0.01	22.43	17.35
2.10	9	0.01	16.82	12.88
2.20	8	0.01	14.95	11.33
2.30	7	0.01	13.08	9.81
2.40	8	0.01	14.95	11.09
2.50	7	0.01	13.08	9.61
2.60	7	0.01	13.08	9.51
2.70	7	0.01	13.08	9.42
2.80	6	0.02	11.21	7.99
2.90	5	0.02	9.34	6.59
3.00	5	0.02	9.34	6.53
3.10	4	0.03	7.48	5.17
3.20	4	0.03	7.48	5.13
3.30	3	0.03	5.61	3.81
3.40	4	0.03	7.48	5.03
3.50	3	0.03	5.61	3.74
3.60	3	0.03	5.61	3.70
3.70	4	0.03	7.48	4.89
3.80	5	0.02	9.34	6.06
3.90	7	0.01	13.08	8.41
4.00	12	0.01	22.43	14.29
4.10	13	0.01	24.29	15.35
4.20	13	0.01	24.29	15.21
4.30	19	0.01	35.51	22.05
4.40	18	0.01	33.64	20.71
4.50	19	0.01	35.51	21.67
4.60	22	0.00	41.11	24.89
4.70	30	0.00	56.06	33.65
4.80				
4.90				
5.00				



Notes:

No further progress below 4.70m depth - hammer bouncing.

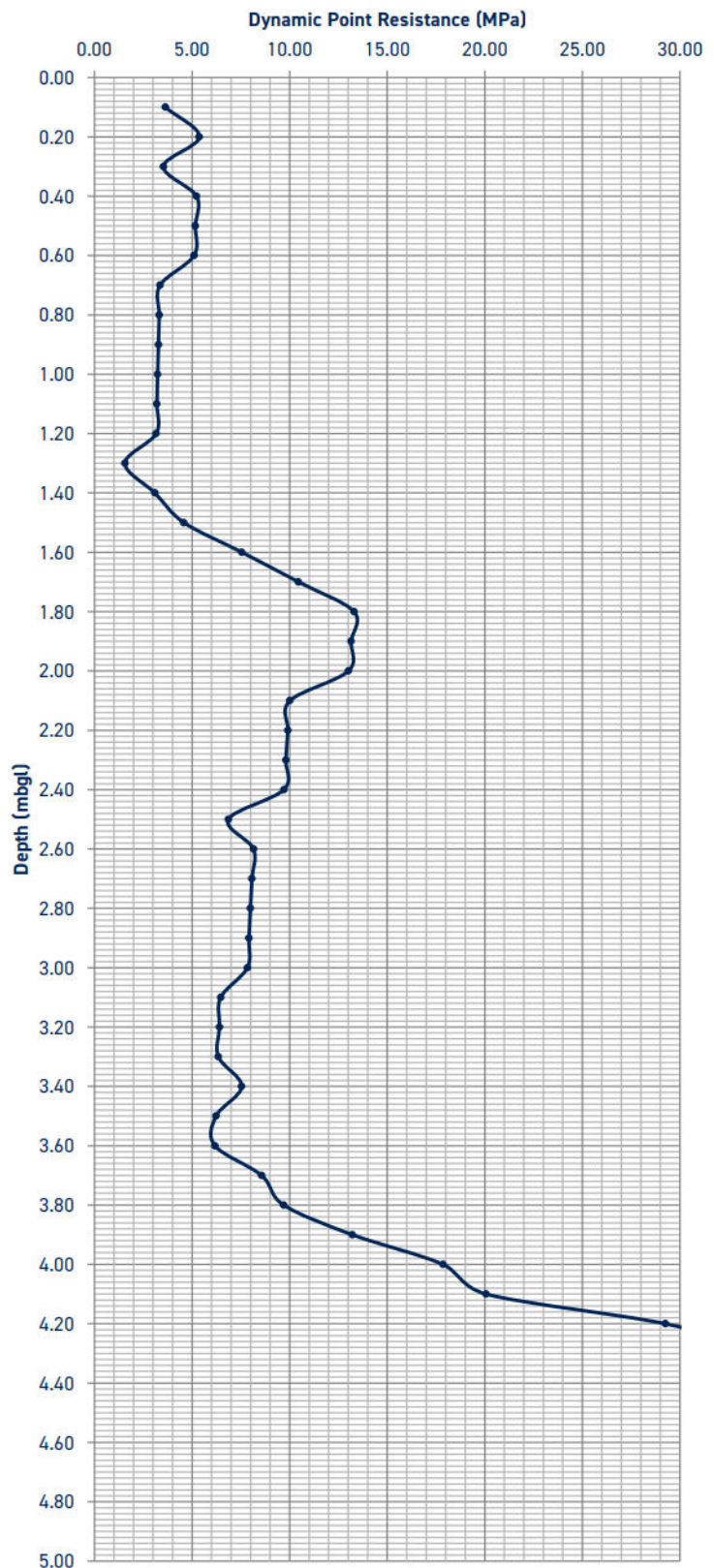
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS25**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	2	0.05	3.74	3.63
0.20	3	0.03	5.61	5.37
0.30	2	0.05	3.74	3.54
0.40	3	0.03	5.61	5.23
0.50	3	0.03	5.61	5.17
0.60	3	0.03	5.61	5.10
0.70	2	0.05	3.74	3.36
0.80	2	0.05	3.74	3.32
0.90	2	0.05	3.74	3.28
1.00	2	0.05	3.74	3.24
1.10	2	0.05	3.74	3.20
1.20	2	0.05	3.74	3.16
1.30	1	0.10	1.87	1.56
1.40	2	0.05	3.74	3.09
1.50	3	0.03	5.61	4.58
1.60	5	0.02	9.34	7.55
1.70	7	0.01	13.08	10.46
1.80	9	0.01	16.82	13.30
1.90	9	0.01	16.82	13.15
2.00	9	0.01	16.82	13.01
2.10	7	0.01	13.08	10.01
2.20	7	0.01	13.08	9.91
2.30	7	0.01	13.08	9.81
2.40	7	0.01	13.08	9.71
2.50	5	0.02	9.34	6.86
2.60	6	0.02	11.21	8.15
2.70	6	0.02	11.21	8.07
2.80	6	0.02	11.21	7.99
2.90	6	0.02	11.21	7.91
3.00	6	0.02	11.21	7.84
3.10	5	0.02	9.34	6.47
3.20	5	0.02	9.34	6.41
3.30	5	0.02	9.34	6.35
3.40	6	0.02	11.21	7.55
3.50	5	0.02	9.34	6.23
3.60	5	0.02	9.34	6.17
3.70	7	0.01	13.08	8.56
3.80	8	0.01	14.95	9.70
3.90	11	0.01	20.56	13.22
4.00	15	0.01	28.03	17.86
4.10	17	0.01	31.77	20.07
4.20	25	0.00	46.72	29.26
4.30	30	0.00	56.06	34.81
4.40				
4.50				
4.60				
4.70				
4.80				
4.90				
5.00				



Notes:

No further progress below 4.30m depth - hammer bouncing.

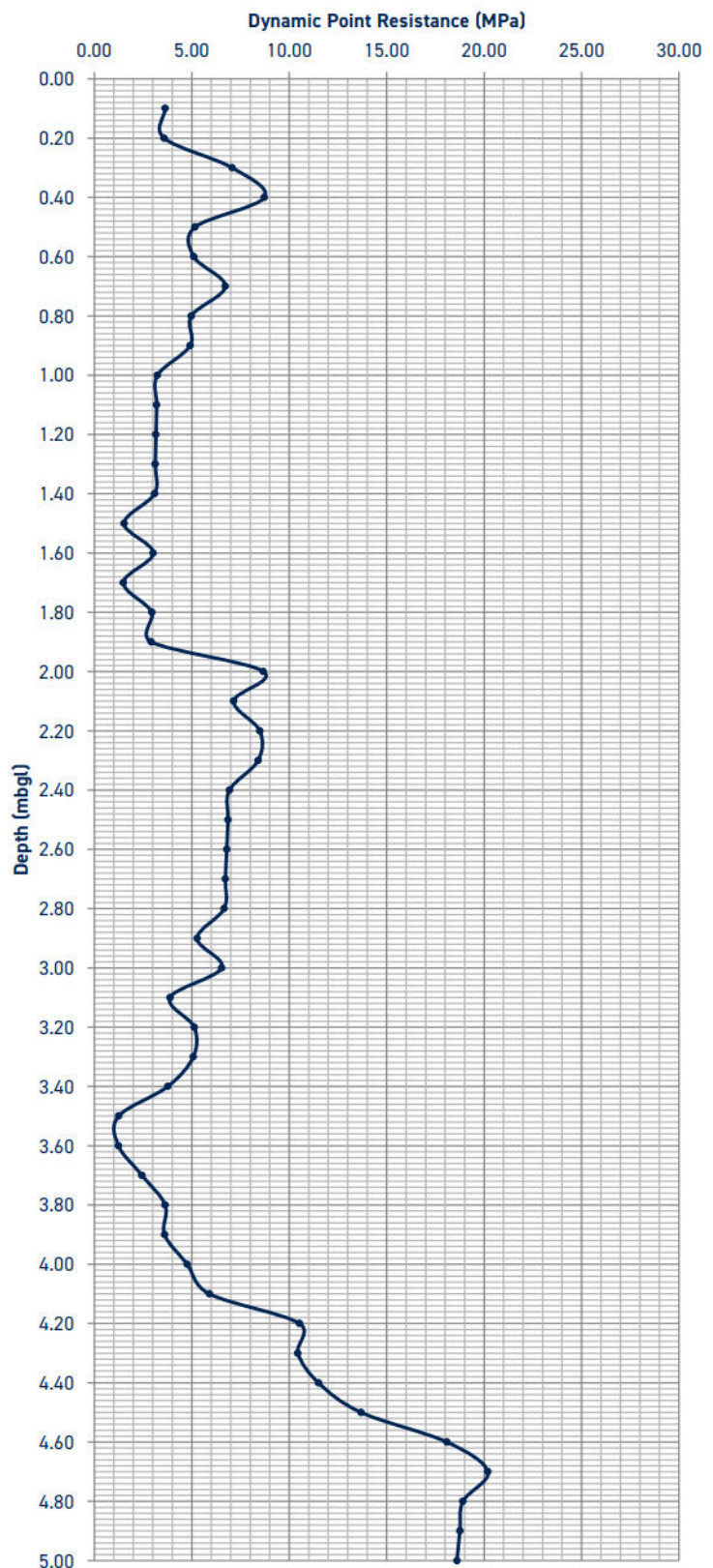
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS26**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	2	0.05	3.74	3.63
0.20	2	0.05	3.74	3.58
0.30	4	0.03	7.48	7.07
0.40	5	0.02	9.34	8.72
0.50	3	0.03	5.61	5.17
0.60	3	0.03	5.61	5.10
0.70	4	0.03	7.48	6.72
0.80	3	0.03	5.61	4.98
0.90	3	0.03	5.61	4.92
1.00	2	0.05	3.74	3.24
1.10	2	0.05	3.74	3.20
1.20	2	0.05	3.74	3.16
1.30	2	0.05	3.74	3.13
1.40	2	0.05	3.74	3.09
1.50	1	0.10	1.87	1.53
1.60	2	0.05	3.74	3.02
1.70	1	0.10	1.87	1.49
1.80	2	0.05	3.74	2.96
1.90	2	0.05	3.74	2.92
2.00	6	0.02	11.21	8.68
2.10	5	0.02	9.34	7.15
2.20	6	0.02	11.21	8.49
2.30	6	0.02	11.21	8.41
2.40	5	0.02	9.34	6.93
2.50	5	0.02	9.34	6.86
2.60	5	0.02	9.34	6.79
2.70	5	0.02	9.34	6.73
2.80	5	0.02	9.34	6.66
2.90	4	0.03	7.48	5.28
3.00	5	0.02	9.34	6.53
3.10	3	0.03	5.61	3.88
3.20	4	0.03	7.48	5.13
3.30	4	0.03	7.48	5.08
3.40	3	0.03	5.61	3.77
3.50	1	0.10	1.87	1.25
3.60	1	0.10	1.87	1.23
3.70	2	0.05	3.74	2.45
3.80	3	0.03	5.61	3.64
3.90	3	0.03	5.61	3.60
4.00	4	0.03	7.48	4.76
4.10	5	0.02	9.34	5.90
4.20	9	0.01	16.82	10.53
4.30	9	0.01	16.82	10.44
4.40	10	0.01	18.69	11.50
4.50	12	0.01	22.43	13.69
4.60	16	0.01	29.90	18.10
4.70	18	0.01	33.64	20.19
4.80	17	0.01	31.77	18.91
4.90	17	0.01	31.77	18.76
5.00	17	0.01	31.77	18.61



Notes:

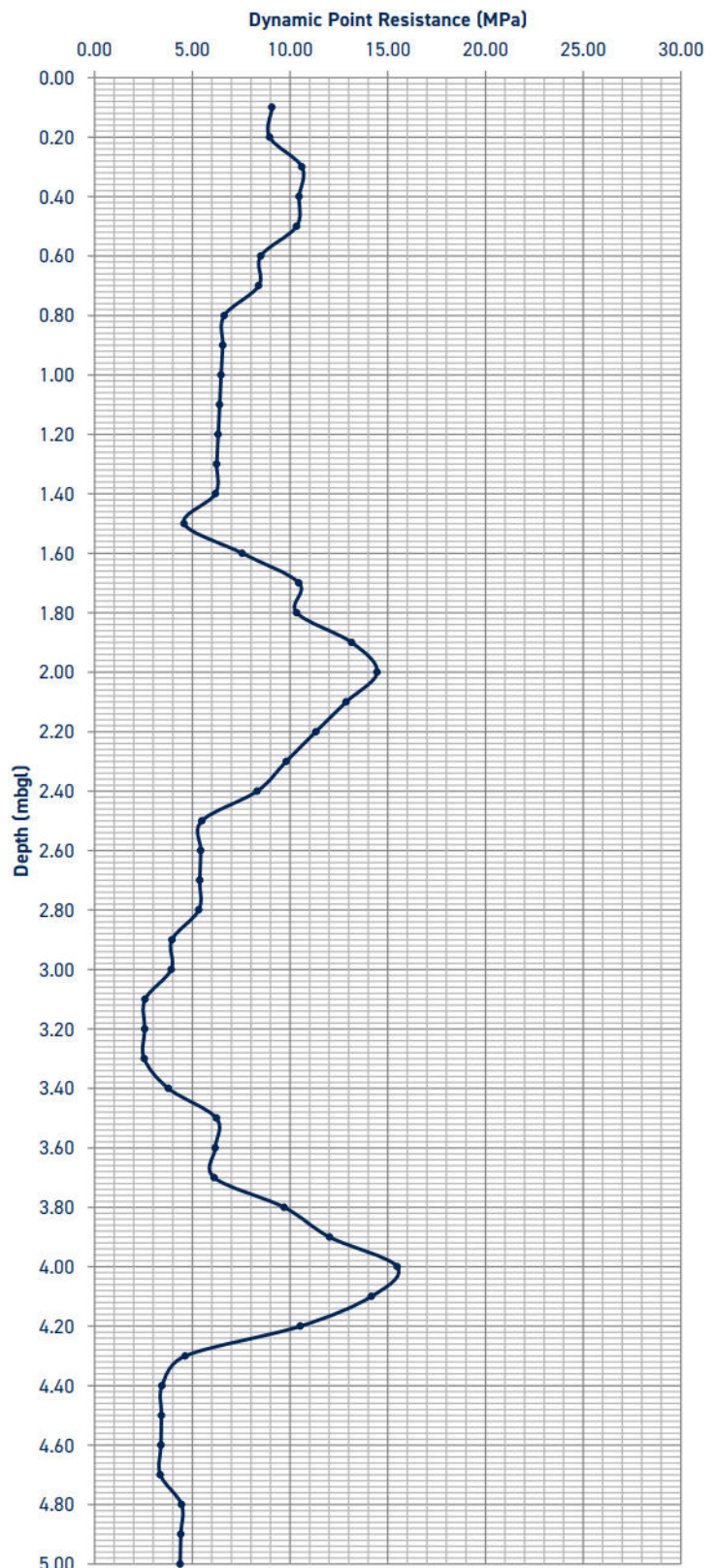
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS29**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	5	0.02	9.34	9.08
0.20	5	0.02	9.34	8.96
0.30	6	0.02	11.21	10.61
0.40	6	0.02	11.21	10.47
0.50	6	0.02	11.21	10.34
0.60	5	0.02	9.34	8.50
0.70	5	0.02	9.34	8.40
0.80	4	0.03	7.48	6.64
0.90	4	0.03	7.48	6.56
1.00	4	0.03	7.48	6.48
1.10	4	0.03	7.48	6.40
1.20	4	0.03	7.48	6.33
1.30	4	0.03	7.48	6.25
1.40	4	0.03	7.48	6.18
1.50	3	0.03	5.61	4.58
1.60	5	0.02	9.34	7.55
1.70	7	0.01	13.08	10.46
1.80	7	0.01	13.08	10.34
1.90	9	0.01	16.82	13.15
2.00	10	0.01	18.69	14.46
2.10	9	0.01	16.82	12.88
2.20	8	0.01	14.95	11.33
2.30	7	0.01	13.08	9.81
2.40	6	0.02	11.21	8.32
2.50	4	0.03	7.48	5.49
2.60	4	0.03	7.48	5.43
2.70	4	0.03	7.48	5.38
2.80	4	0.03	7.48	5.33
2.90	3	0.03	5.61	3.96
3.00	3	0.03	5.61	3.92
3.10	2	0.05	3.74	2.59
3.20	2	0.05	3.74	2.56
3.30	2	0.05	3.74	2.54
3.40	3	0.03	5.61	3.77
3.50	5	0.02	9.34	6.23
3.60	5	0.02	9.34	6.17
3.70	5	0.02	9.34	6.12
3.80	8	0.01	14.95	9.70
3.90	10	0.01	18.69	12.02
4.00	13	0.01	24.29	15.48
4.10	12	0.01	22.43	14.17
4.20	9	0.01	16.82	10.53
4.30	4	0.03	7.48	4.64
4.40	3	0.03	5.61	3.45
4.50	3	0.03	5.61	3.42
4.60	3	0.03	5.61	3.39
4.70	3	0.03	5.61	3.37
4.80	4	0.03	7.48	4.45
4.90	4	0.03	7.48	4.41
5.00	4	0.03	7.48	4.38



Notes:

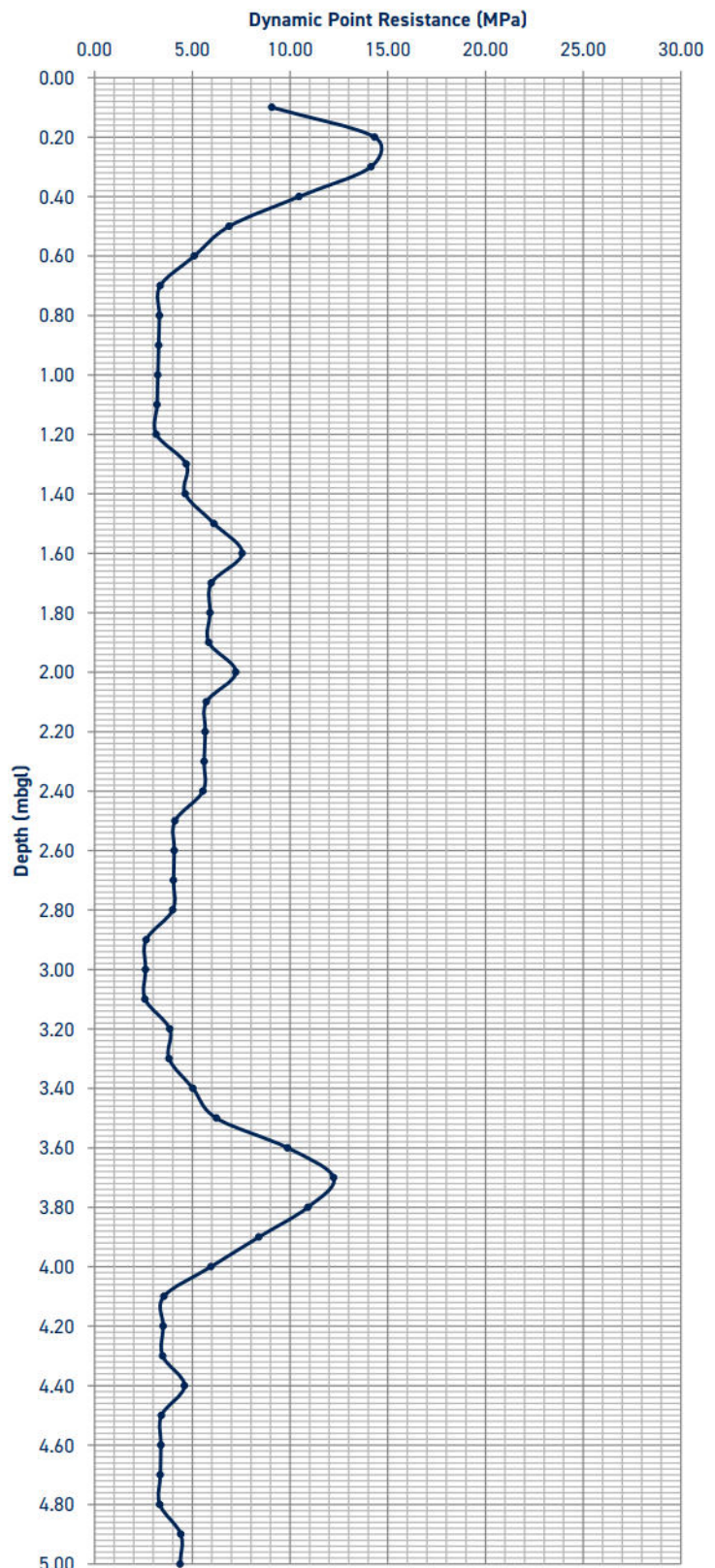
Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference **WS31**

Depth (mbgl)	Blows (per 100mm)	Average Penetration per Blow (m)	Unit Point Resistance (MPa)	Dynamic Point Resistance (MPa)
0.10	5	0.02	9.34	9.08
0.20	8	0.01	14.95	14.33
0.30	8	0.01	14.95	14.14
0.40	6	0.02	11.21	10.47
0.50	4	0.03	7.48	6.89
0.60	3	0.03	5.61	5.10
0.70	2	0.05	3.74	3.36
0.80	2	0.05	3.74	3.32
0.90	2	0.05	3.74	3.28
1.00	2	0.05	3.74	3.24
1.10	2	0.05	3.74	3.20
1.20	2	0.05	3.74	3.16
1.30	3	0.03	5.61	4.69
1.40	3	0.03	5.61	4.64
1.50	4	0.03	7.48	6.11
1.60	5	0.02	9.34	7.55
1.70	4	0.03	7.48	5.98
1.80	4	0.03	7.48	5.91
1.90	4	0.03	7.48	5.85
2.00	5	0.02	9.34	7.23
2.10	4	0.03	7.48	5.72
2.20	4	0.03	7.48	5.66
2.30	4	0.03	7.48	5.60
2.40	4	0.03	7.48	5.55
2.50	3	0.03	5.61	4.12
2.60	3	0.03	5.61	4.08
2.70	3	0.03	5.61	4.04
2.80	3	0.03	5.61	4.00
2.90	2	0.05	3.74	2.64
3.00	2	0.05	3.74	2.61
3.10	2	0.05	3.74	2.59
3.20	3	0.03	5.61	3.84
3.30	3	0.03	5.61	3.81
3.40	4	0.03	7.48	5.03
3.50	5	0.02	9.34	6.23
3.60	8	0.01	14.95	9.88
3.70	10	0.01	18.69	12.23
3.80	9	0.01	16.82	10.91
3.90	7	0.01	13.08	8.41
4.00	5	0.02	9.34	5.95
4.10	3	0.03	5.61	3.54
4.20	3	0.03	5.61	3.51
4.30	3	0.03	5.61	3.48
4.40	4	0.03	7.48	4.60
4.50	3	0.03	5.61	3.42
4.60	3	0.03	5.61	3.39
4.70	3	0.03	5.61	3.37
4.80	3	0.03	5.61	3.34
4.90	4	0.03	7.48	4.41
5.00	4	0.03	7.48	4.38



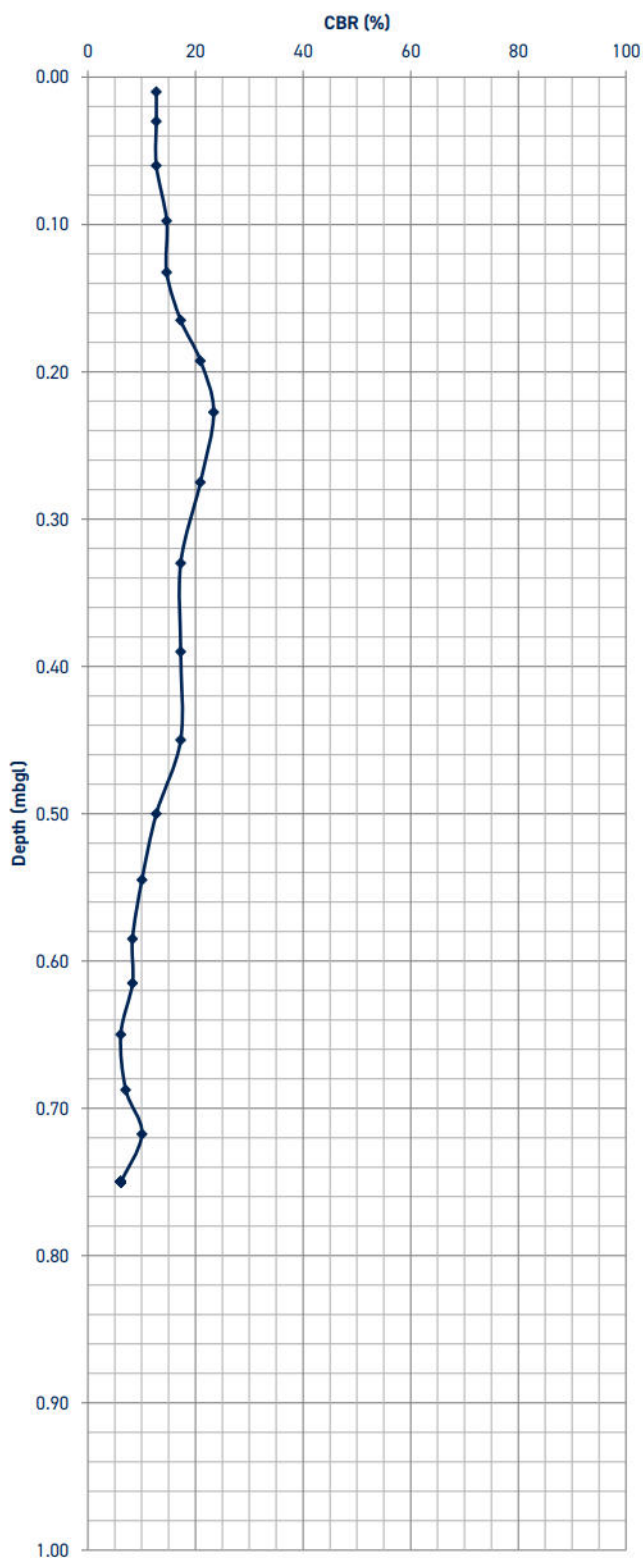
Notes:

Hammer Mass	63.5 kg
Fall Height	0.76 m
Cone Area	0.0019 m ²
E _{theor}	473 J
Energy Ratio	0.75
Anvil Mass	1 kg
Rod Mass	8.79 kg/m

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS01
Depth of Start of Test (mbgl)	0.00

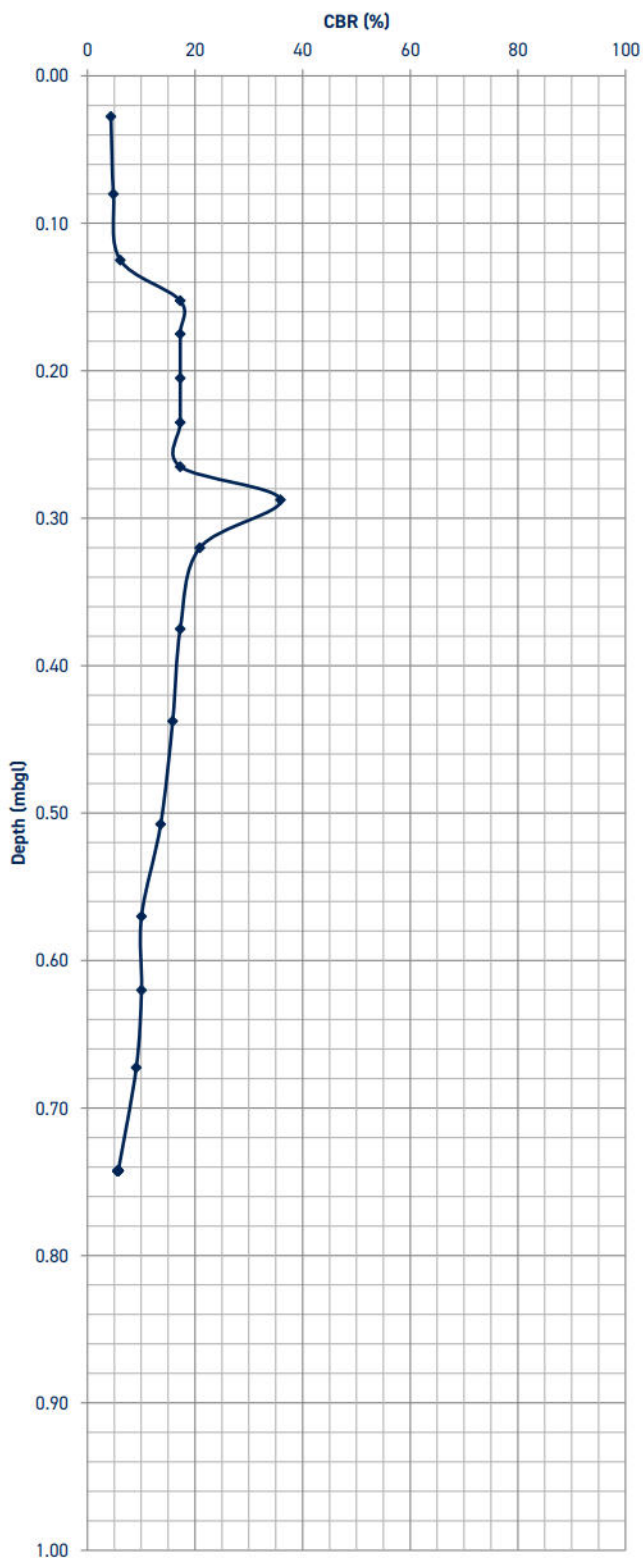
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS02
Depth of Start of Test (mbgl)	0.00

[illegible]

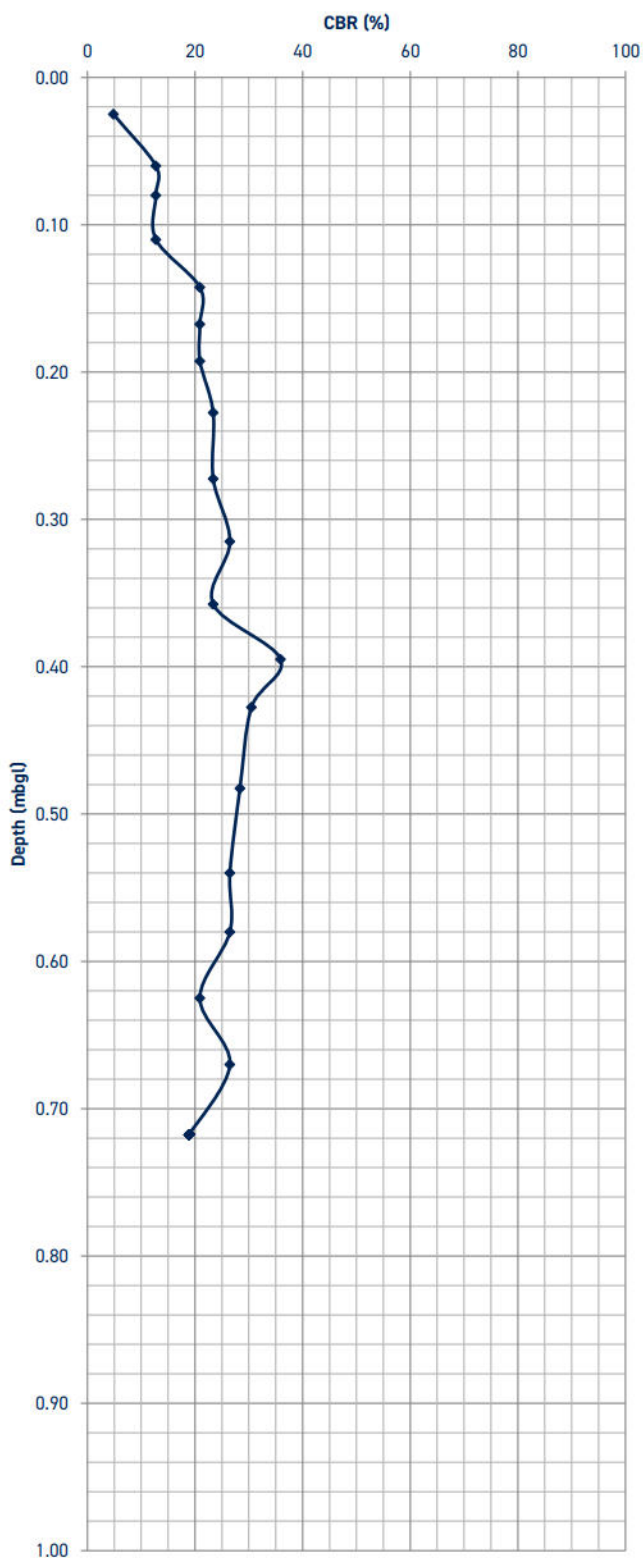
Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

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Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS03
Depth of Start of Test (mbgl)	0.00

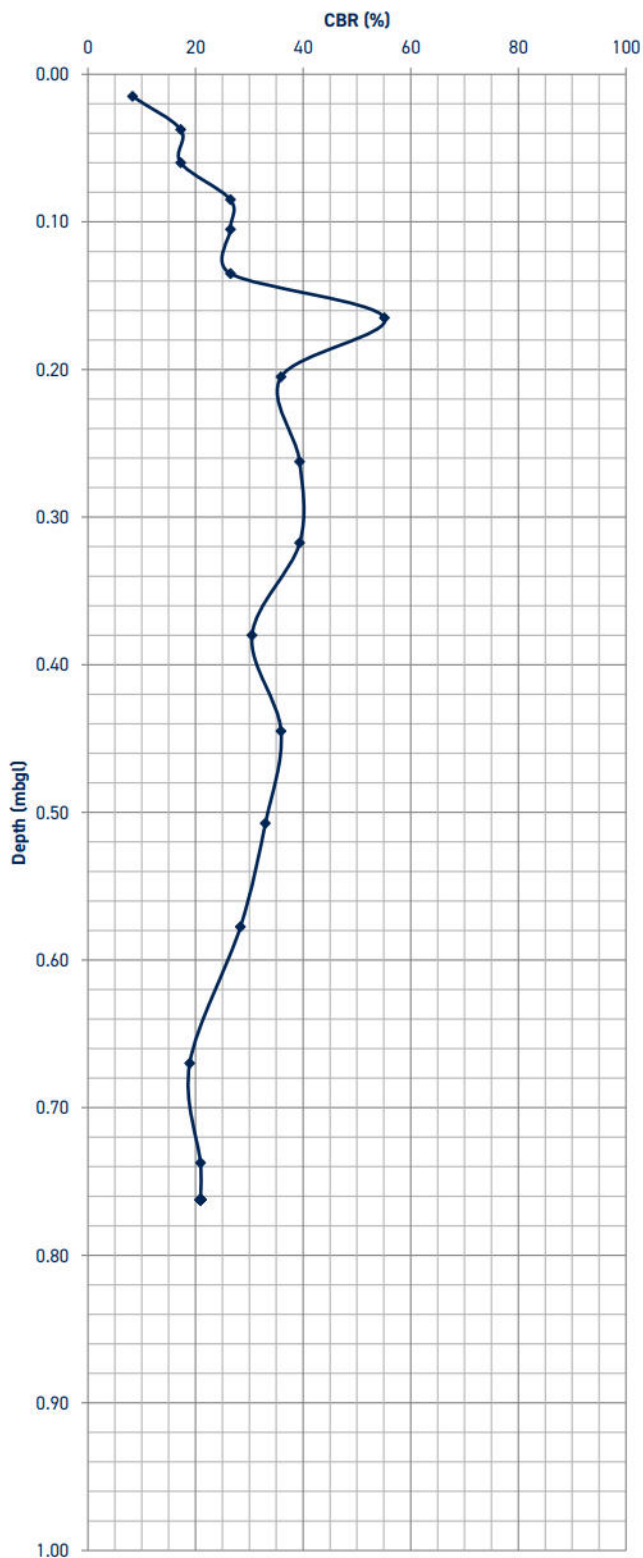
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS04
Depth of Start of Test (mbgl)	0.00

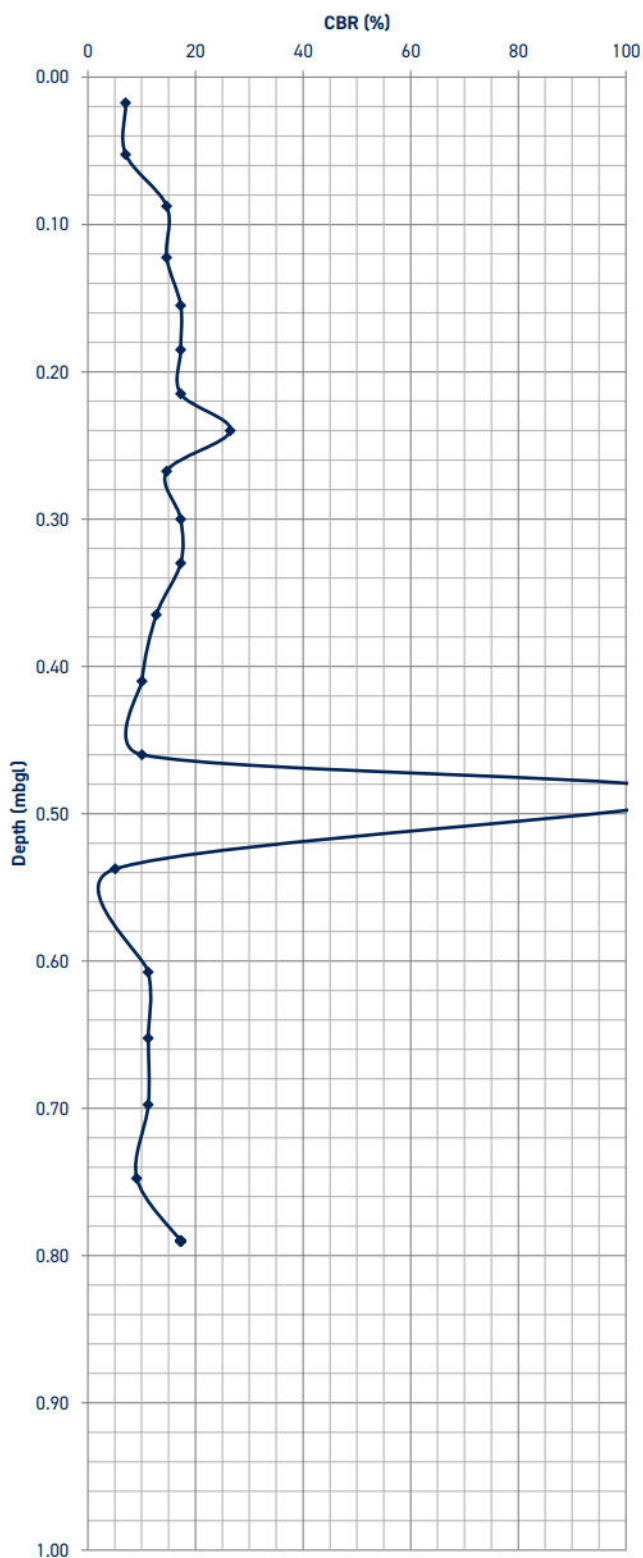
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS05
Depth of Start of Test (mbgl)	0.00

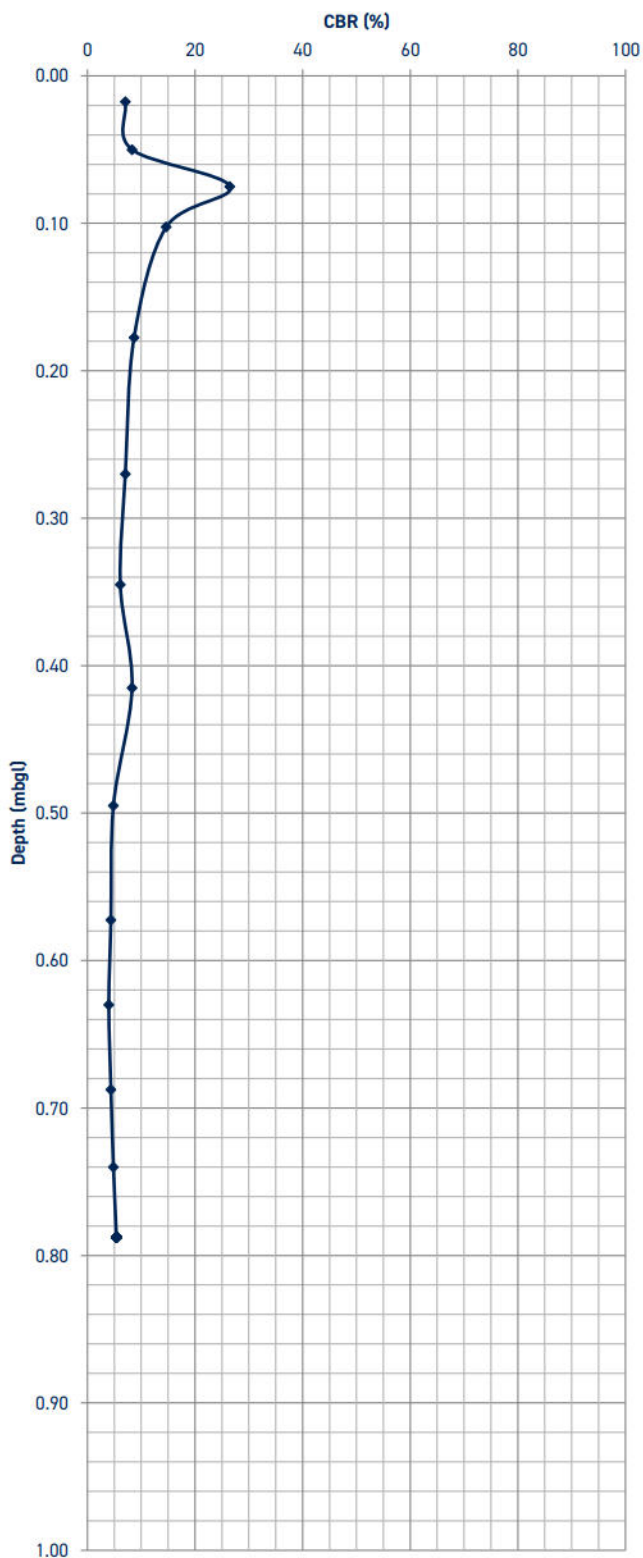
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS06
Depth of Start of Test (mbgl)	0.00

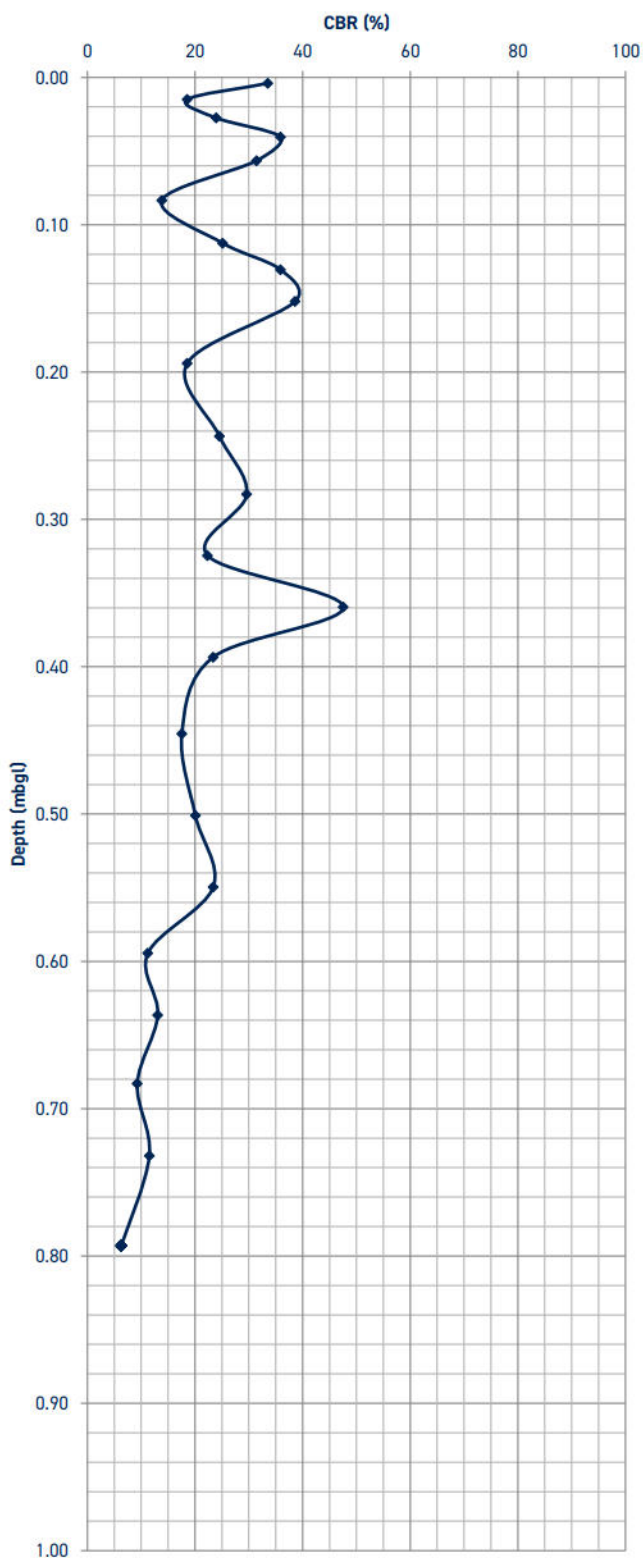
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS07
Depth of Start of Test (mbgl)	0.00

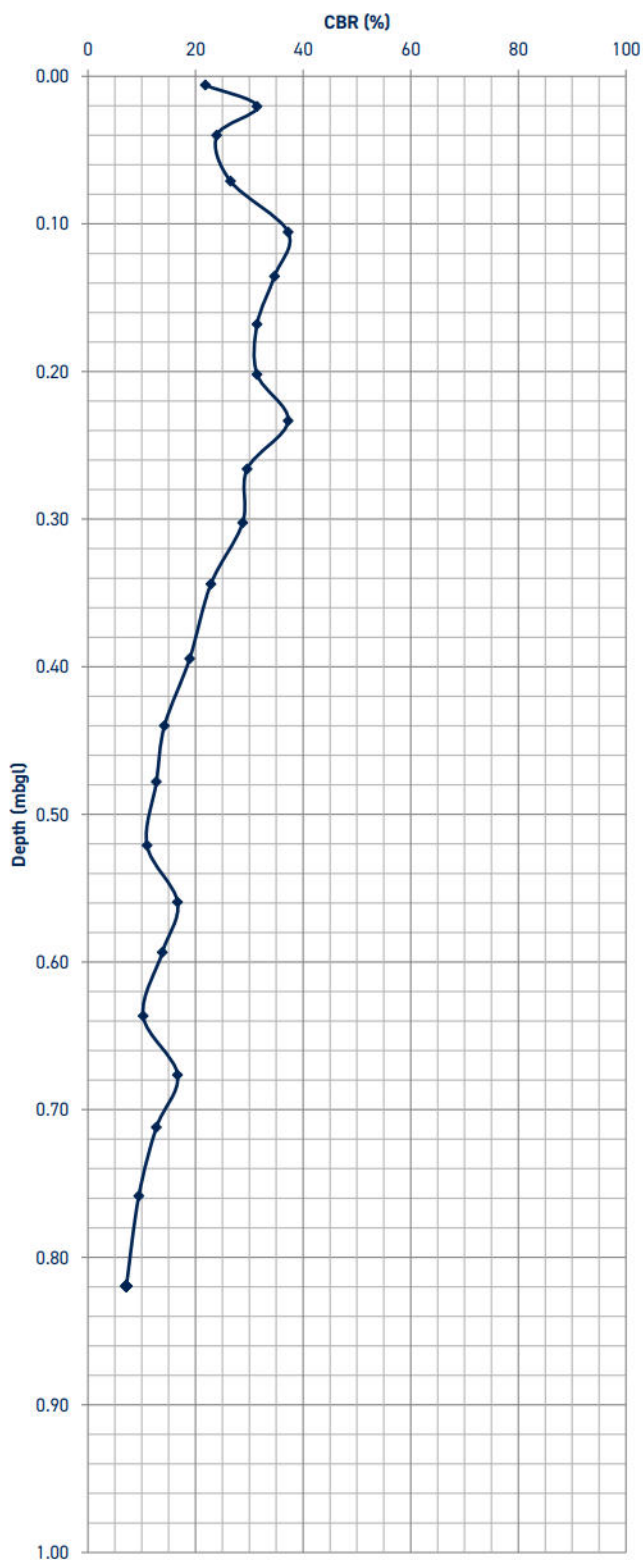
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS08
Depth of Start of Test (mbgl)	0.00

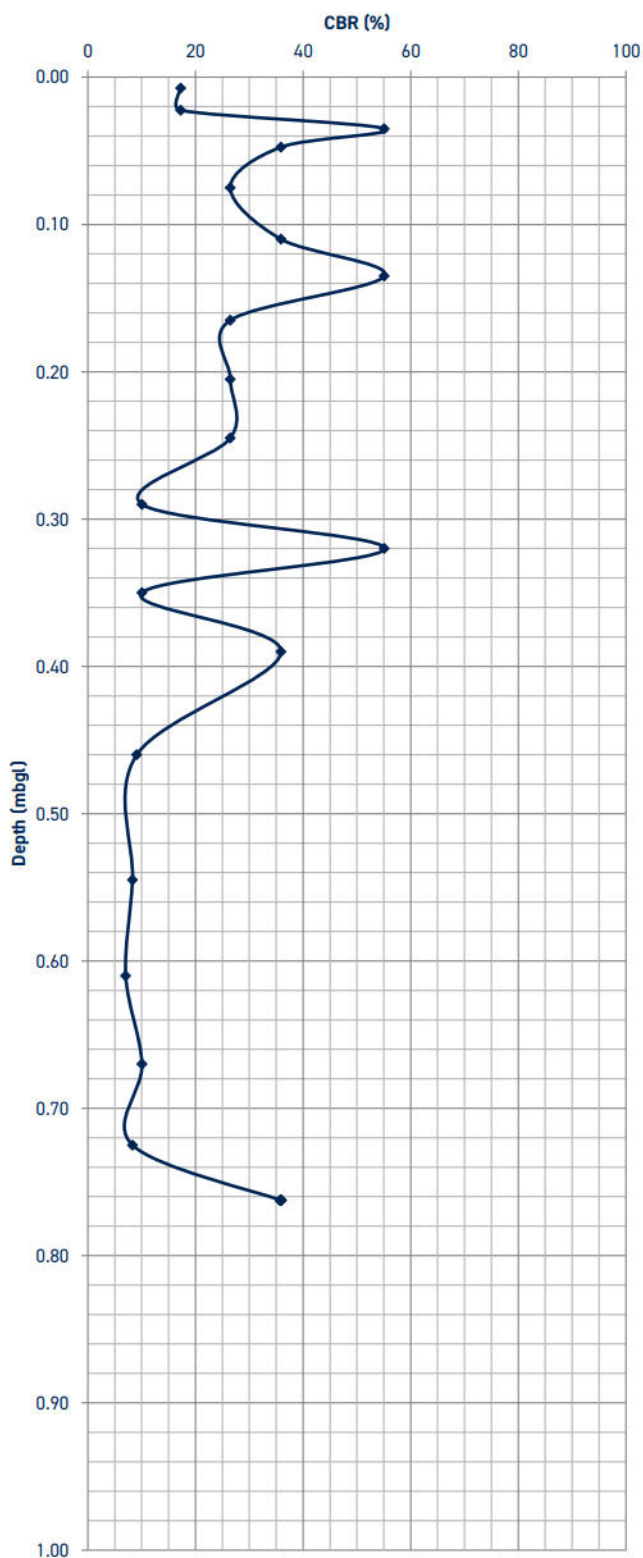
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS09
Depth of Start of Test (mbgl)	0.00

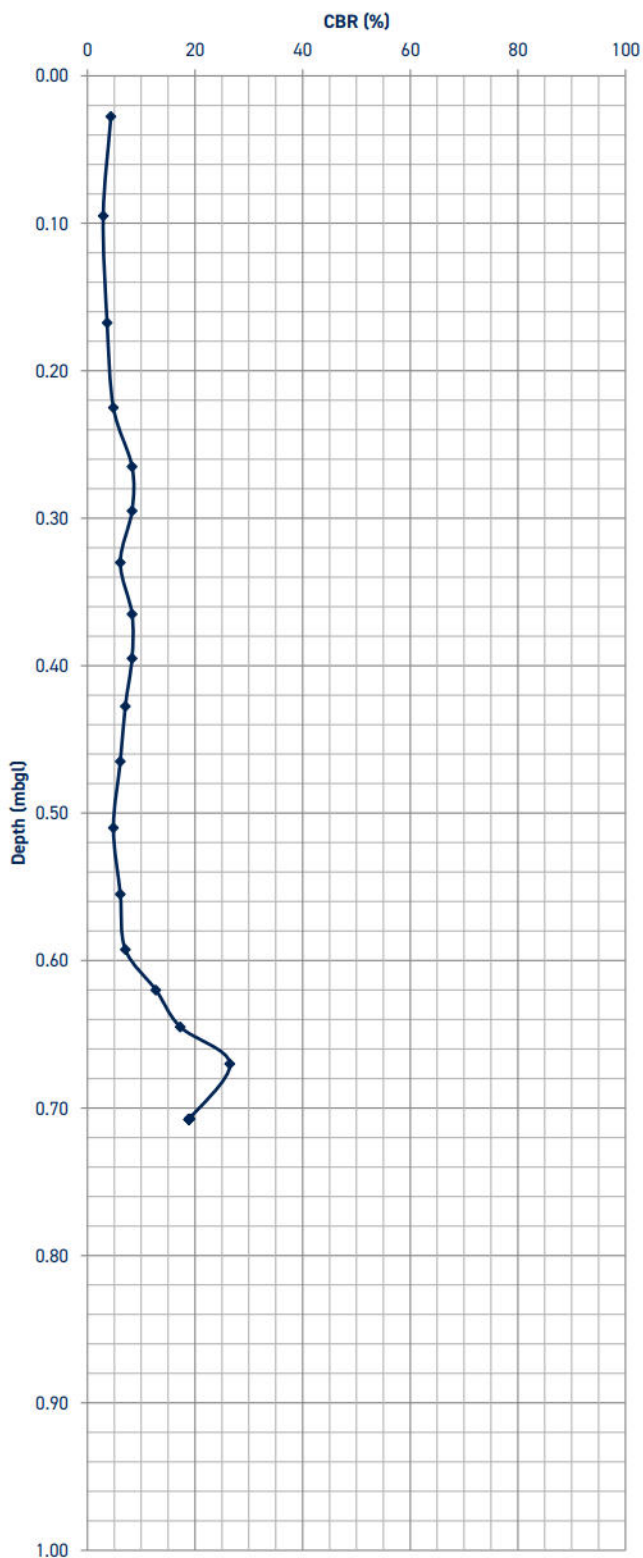
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS10
Depth of Start of Test (mbgl)	0.00

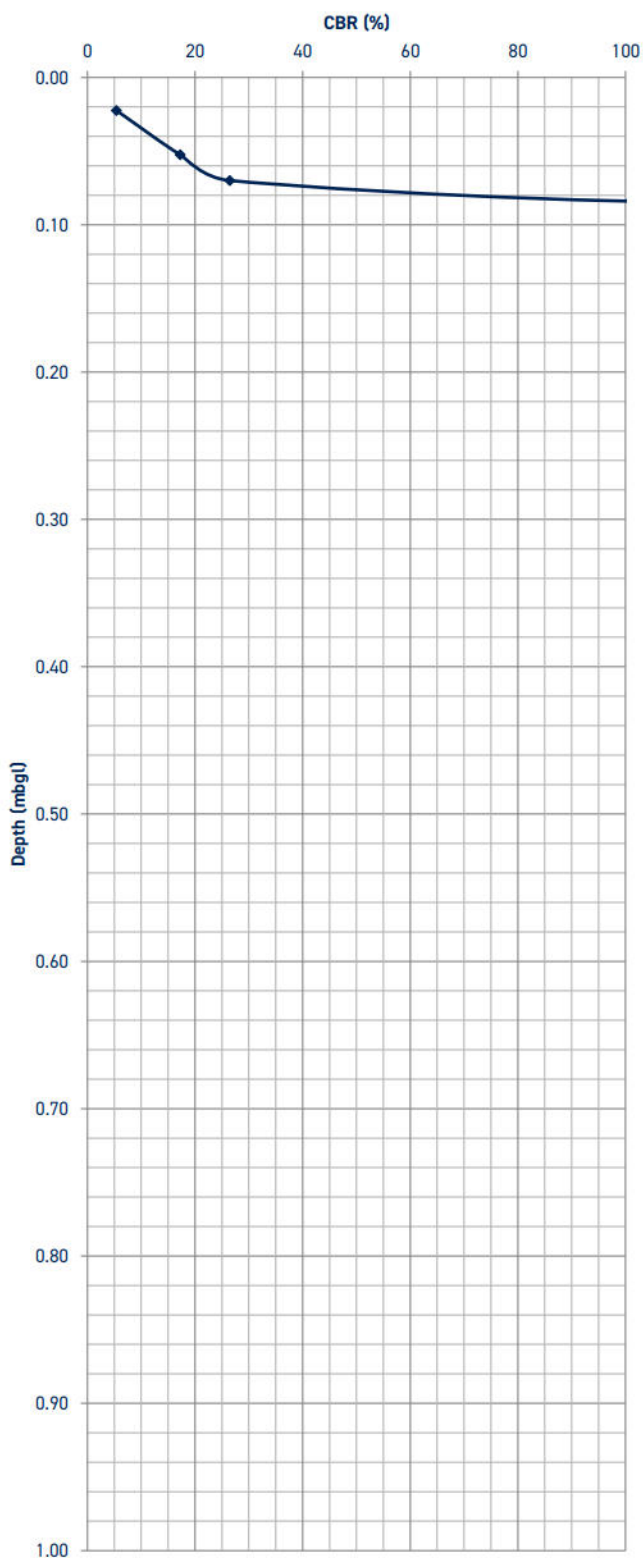
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS11
Depth of Start of Test (mbgl)	0.00

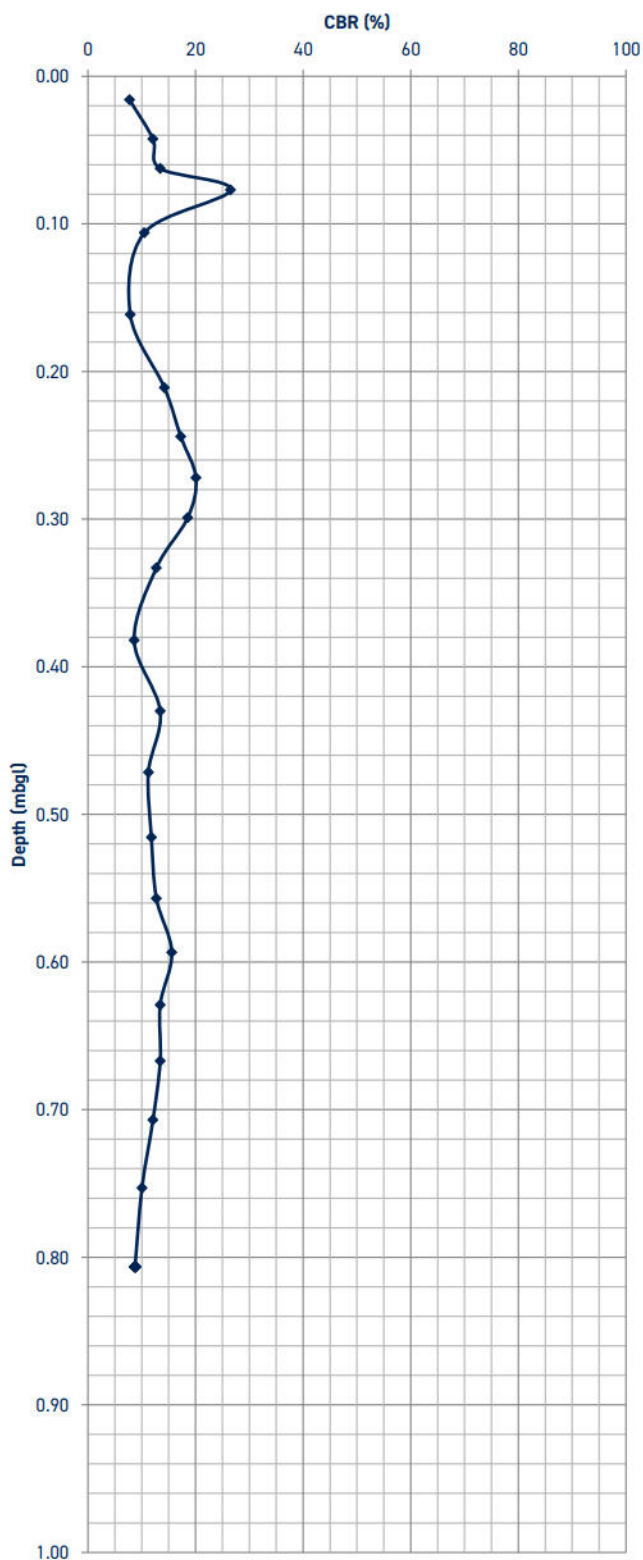
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS12
Depth of Start of Test (mbgl)	0.00

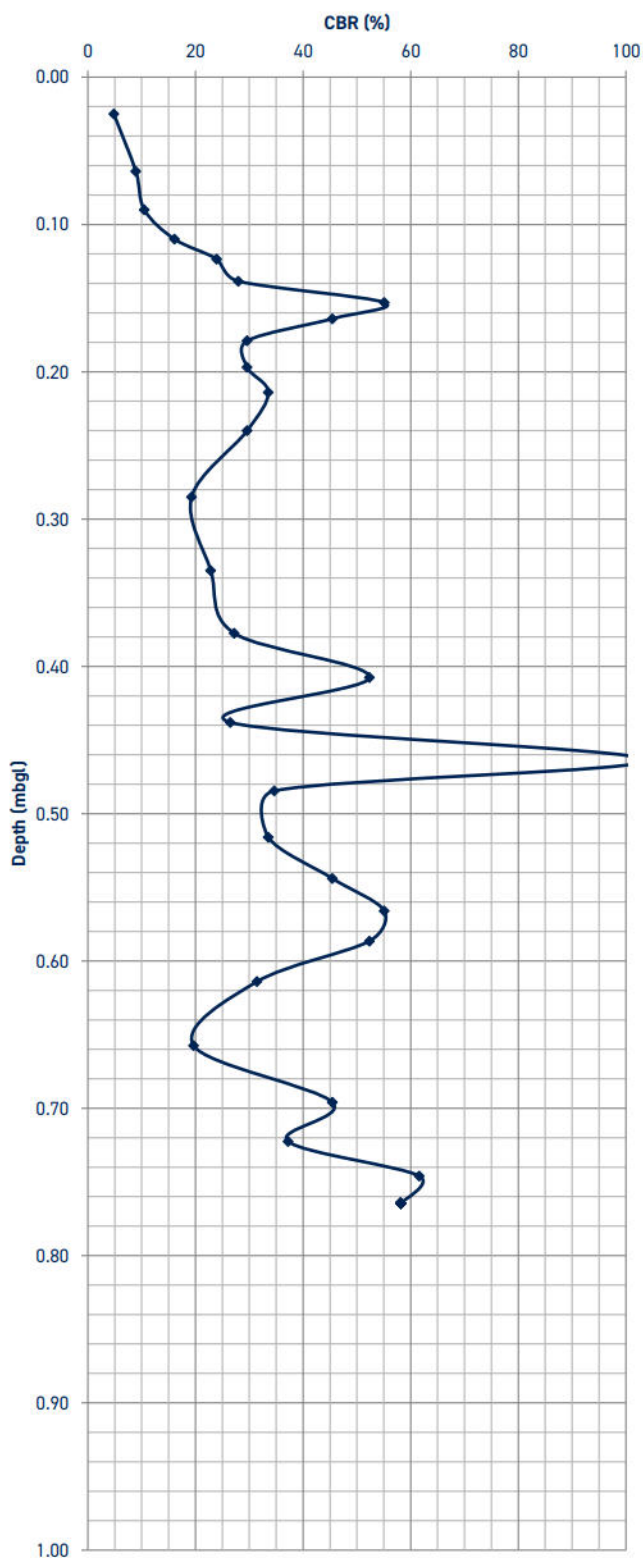
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS13
Depth of Start of Test (mbgl)	0.00

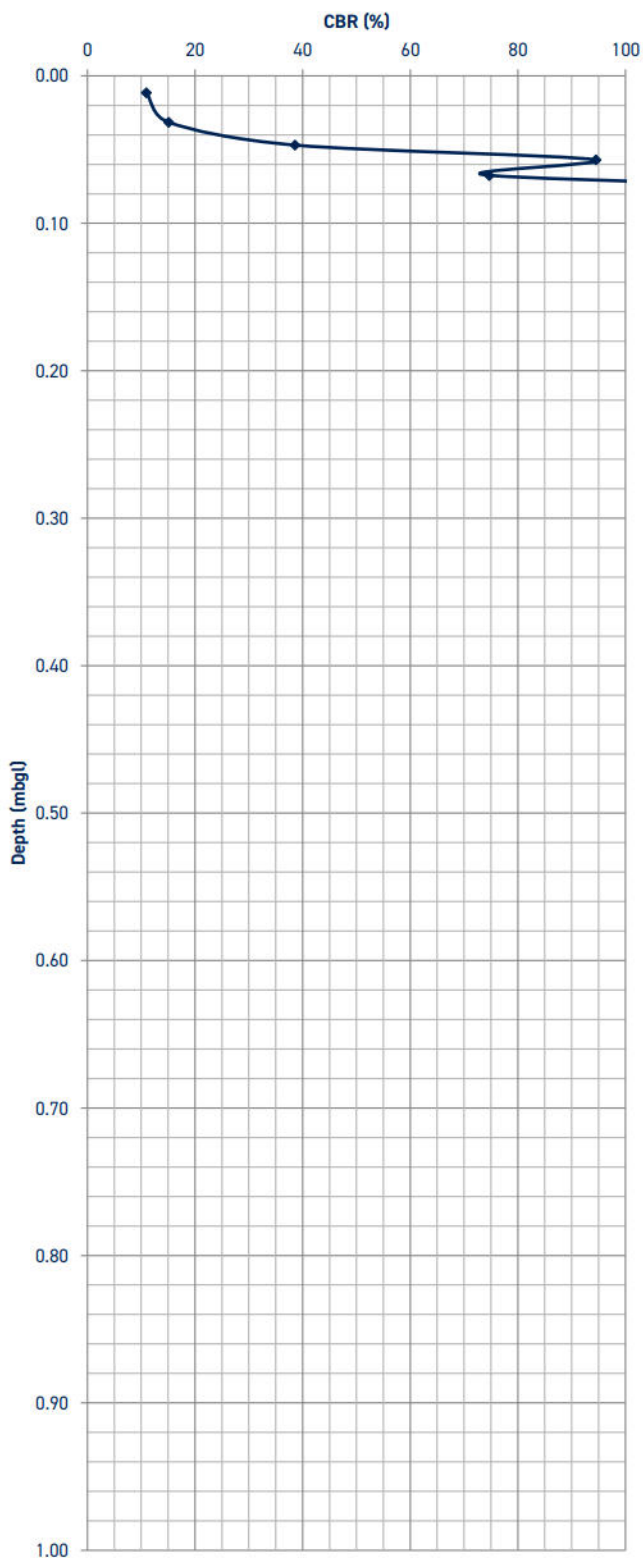
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS14 (1)
Depth of Start of Test (mbgl)	0.00

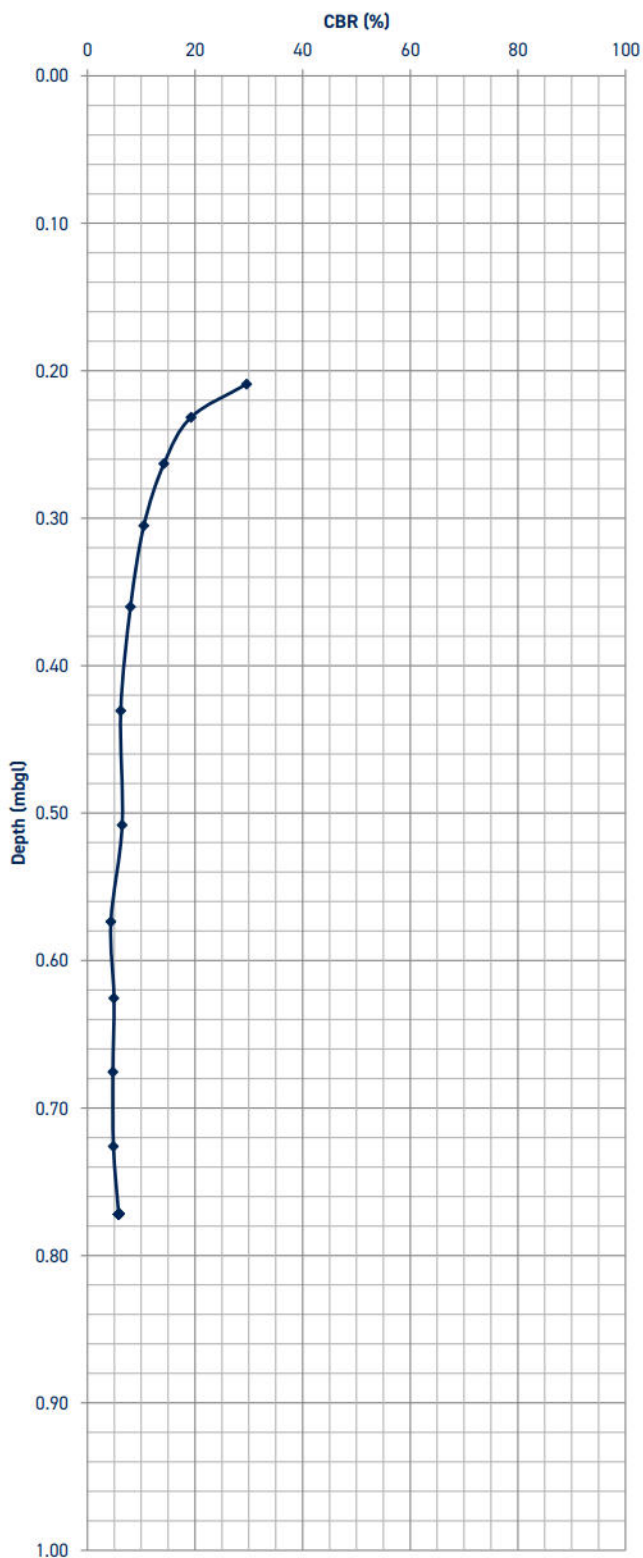
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS14 (2)
Depth of Start of Test (mbgl)	0.20

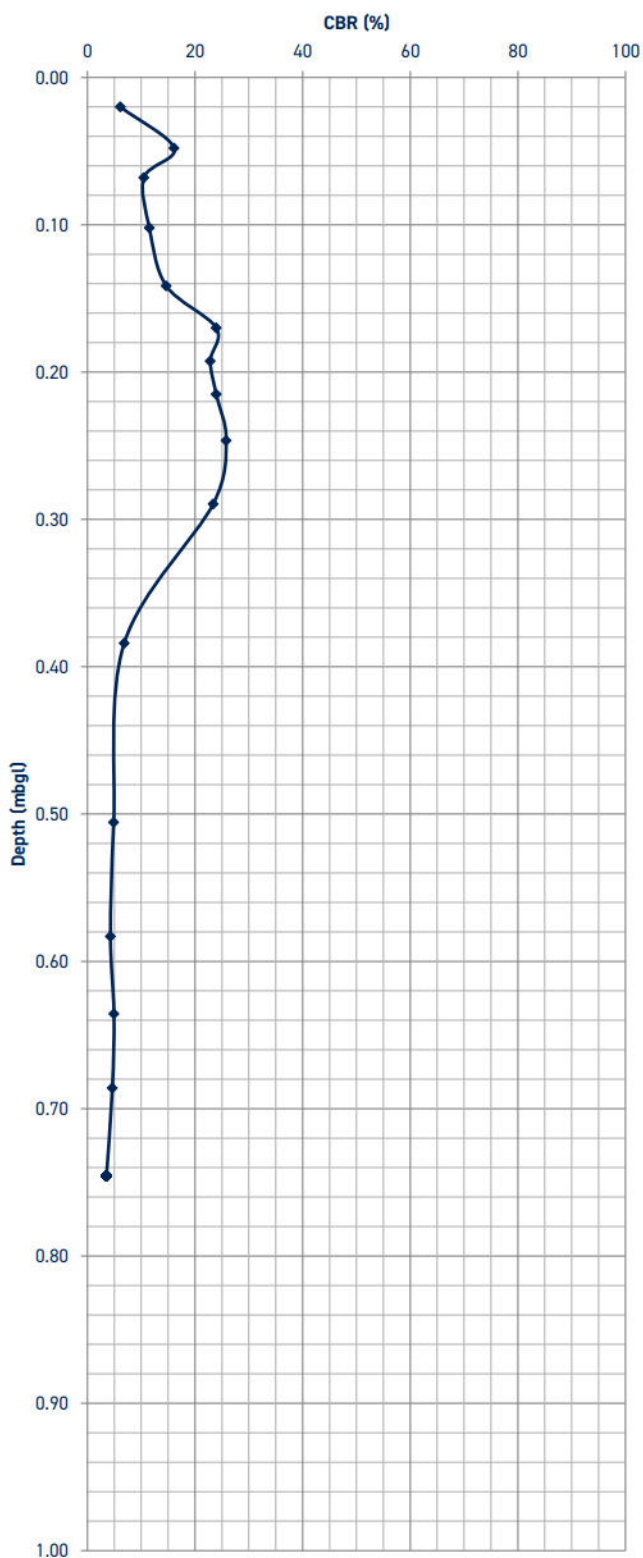
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS15
Depth of Start of Test (mbgl)	0.00

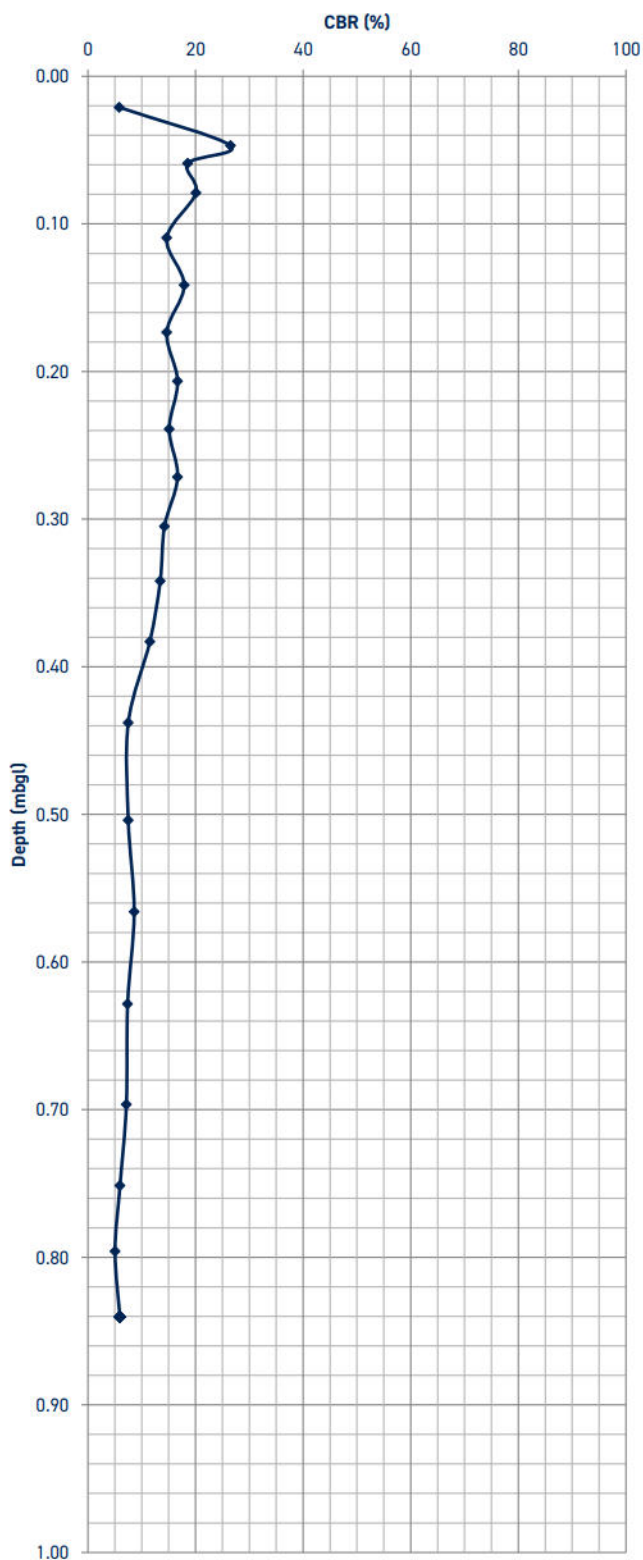
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS16
Depth of Start of Test (mbgl)	0.00

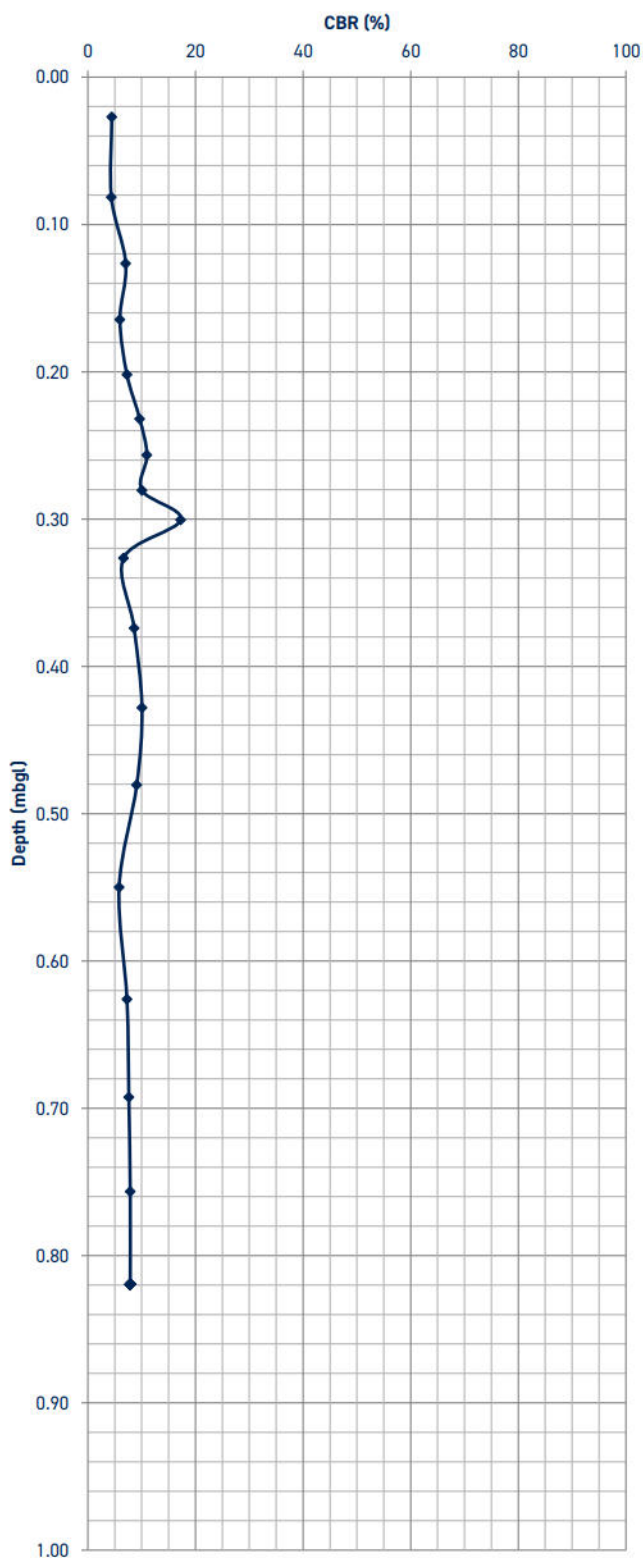
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS17
Depth of Start of Test (mbgl)	0.00

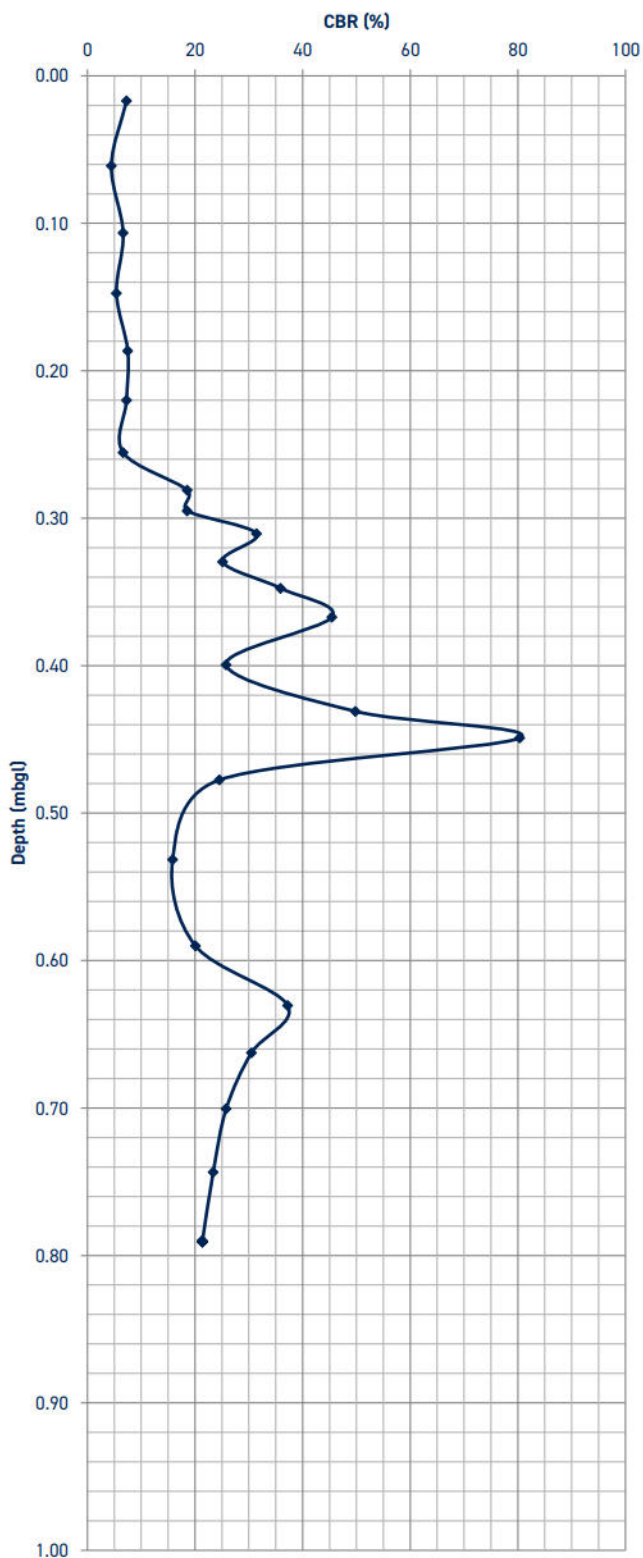
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS18
Depth of Start of Test (mbgl)	0.00

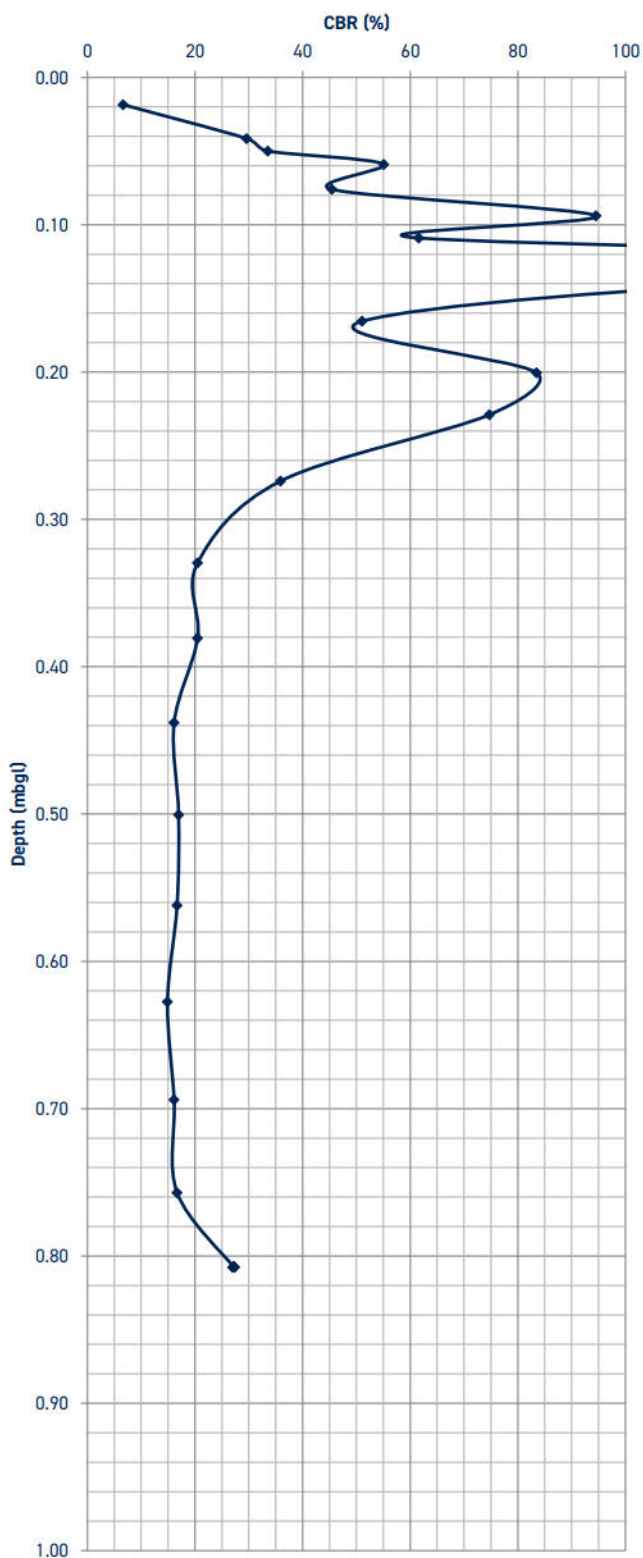
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS19
Depth of Start of Test (mbgl)	0.00

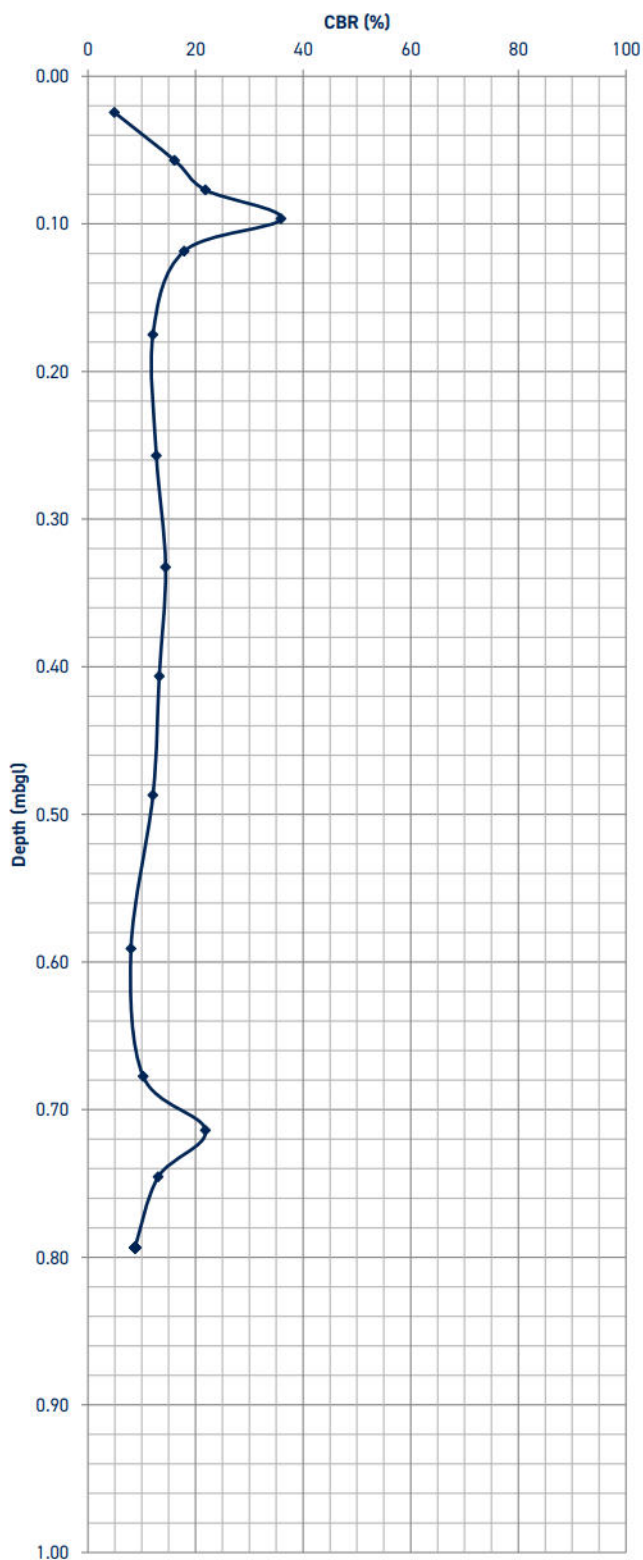
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS20
Depth of Start of Test (mbgl)	0.00

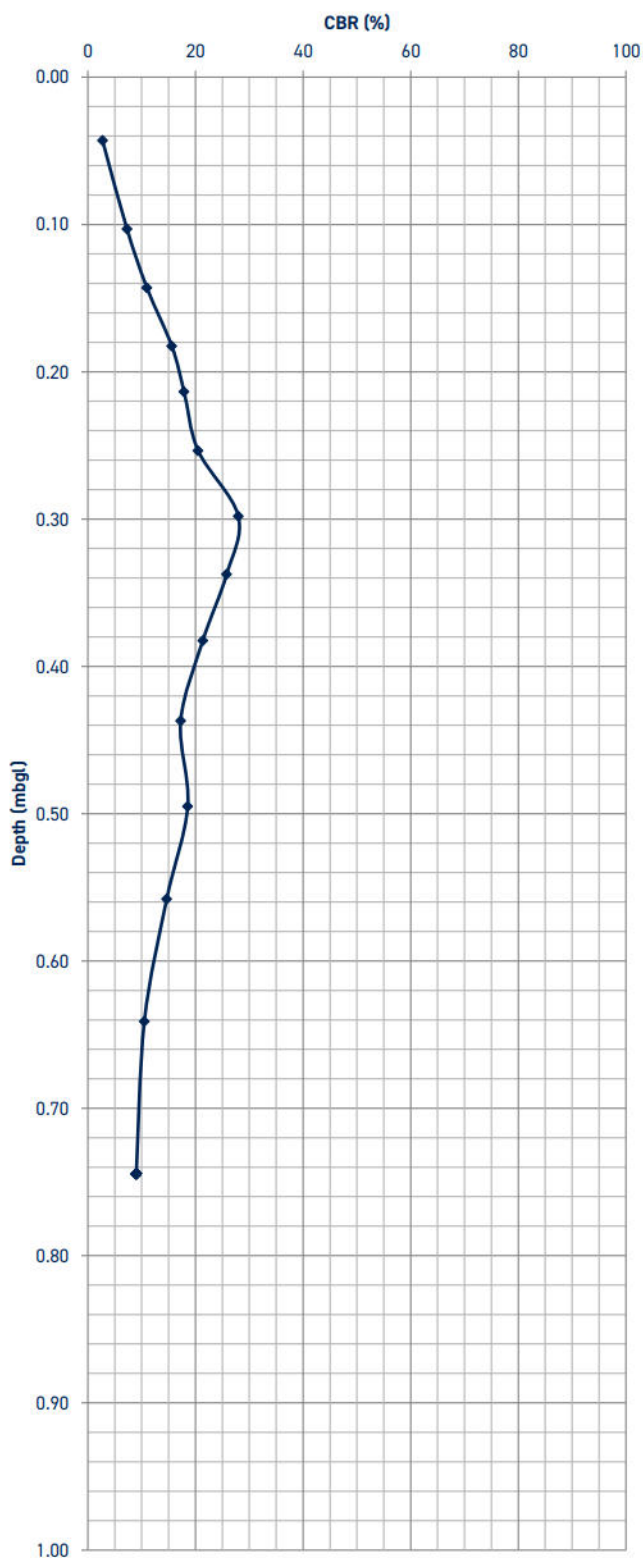
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS21
Depth of Start of Test (mbgl)	0.00

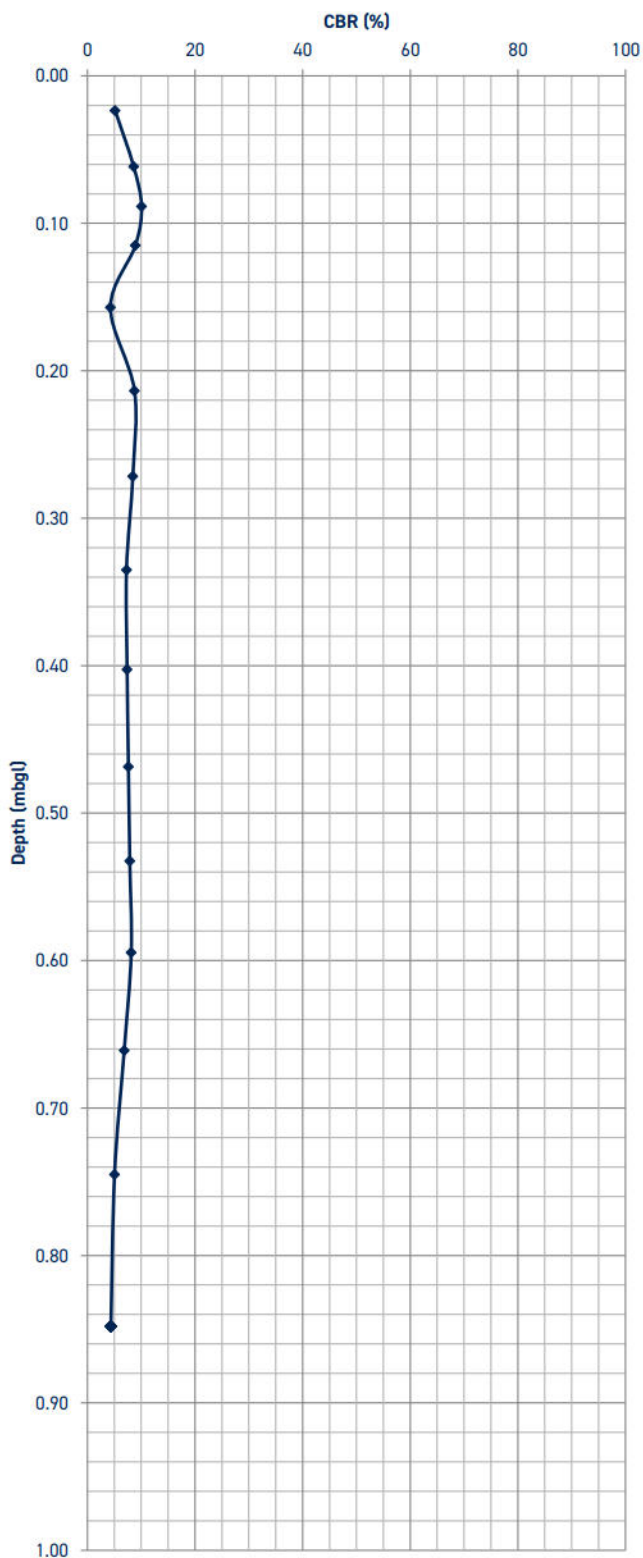
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS22
Depth of Start of Test (mbgl)	0.00

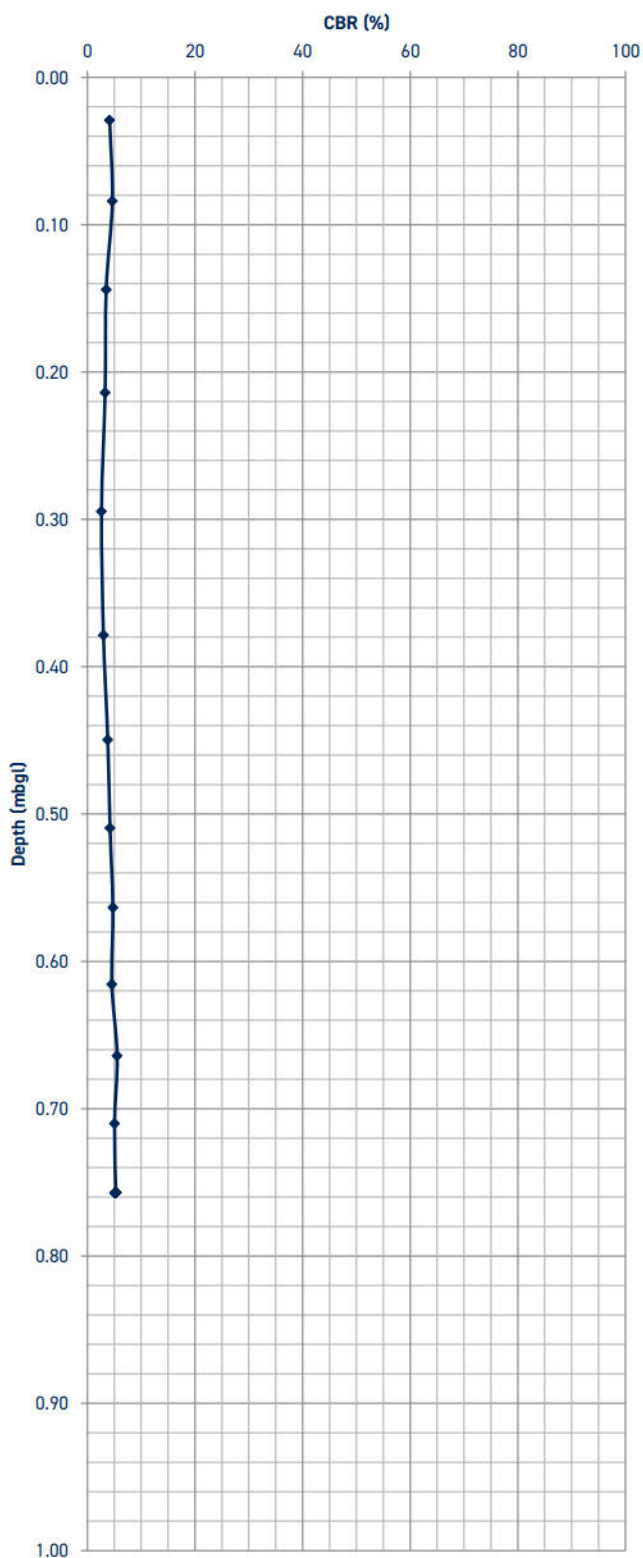
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS23
Depth of Start of Test (mbgl)	0.00

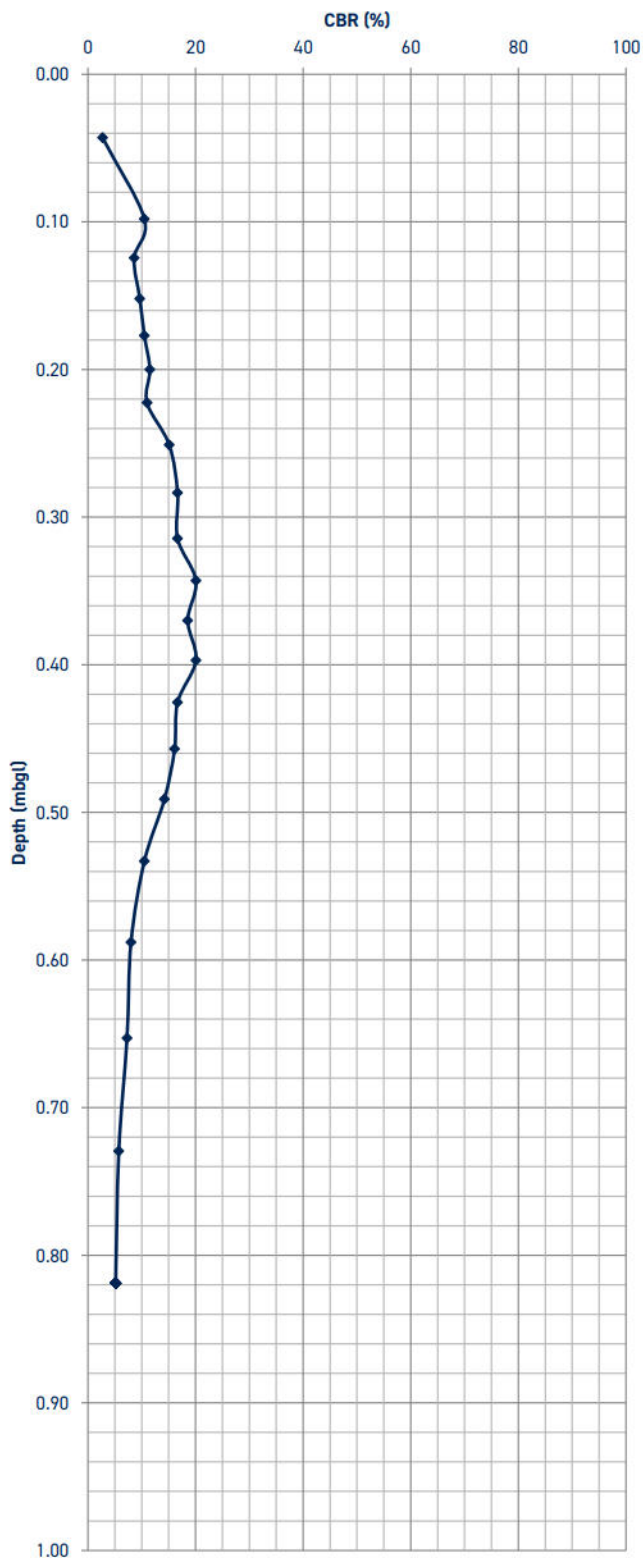
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS24
Depth of Start of Test (mbgl)	0.00

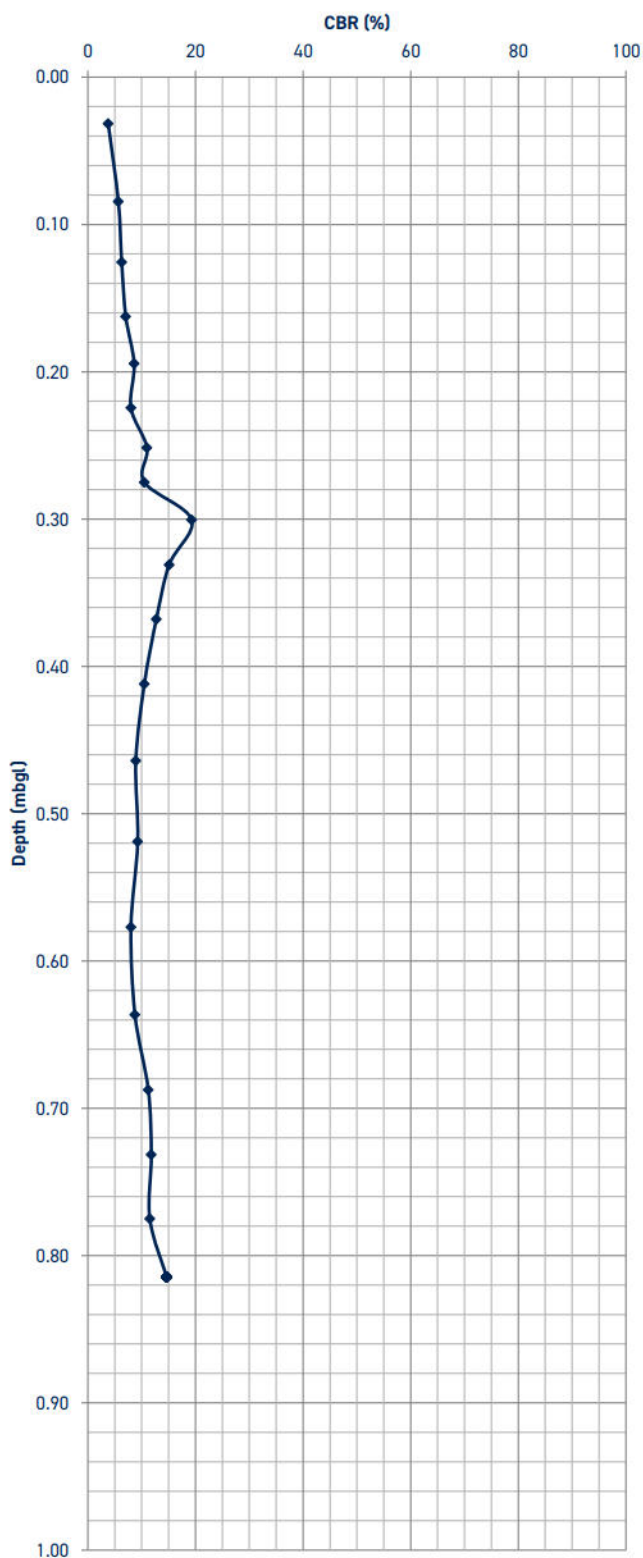
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS25
Depth of Start of Test (mbgl)	0.00

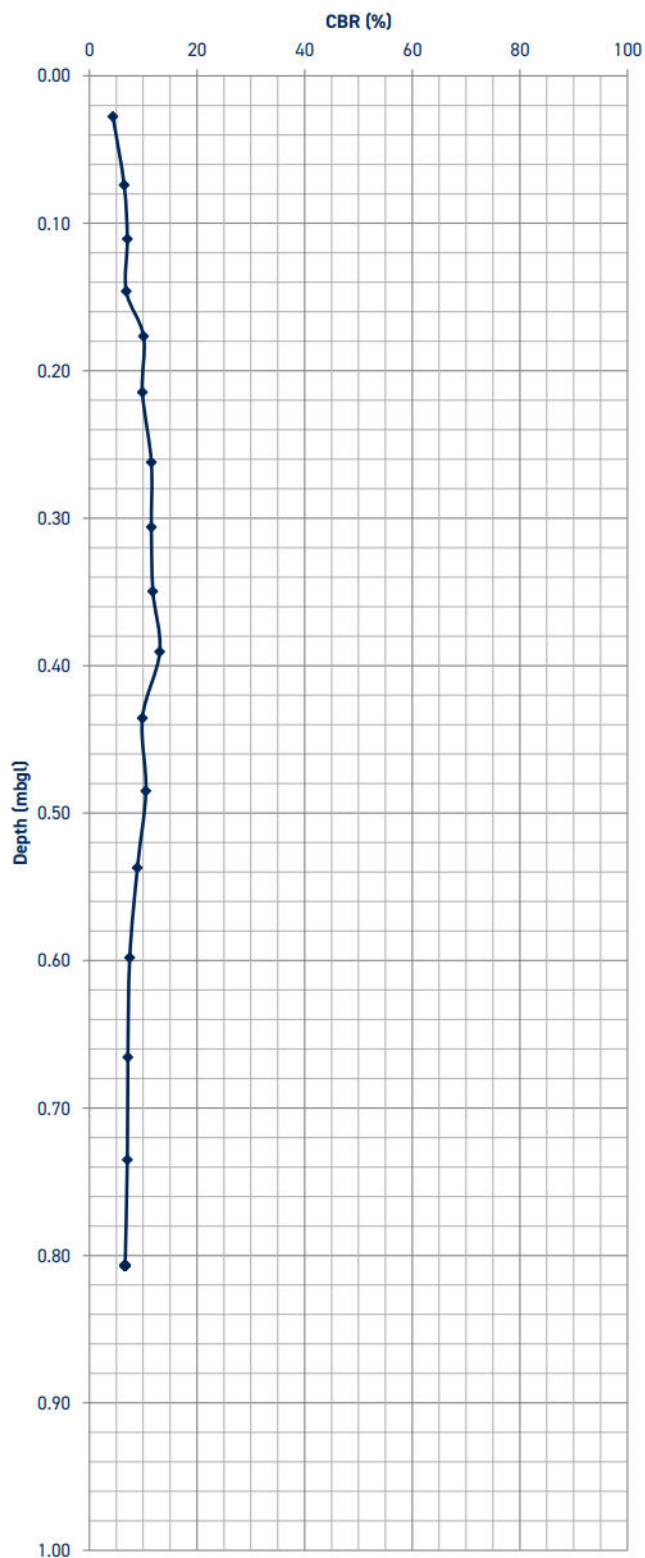
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS26
Depth of Start of Test (mbgl)	0.00

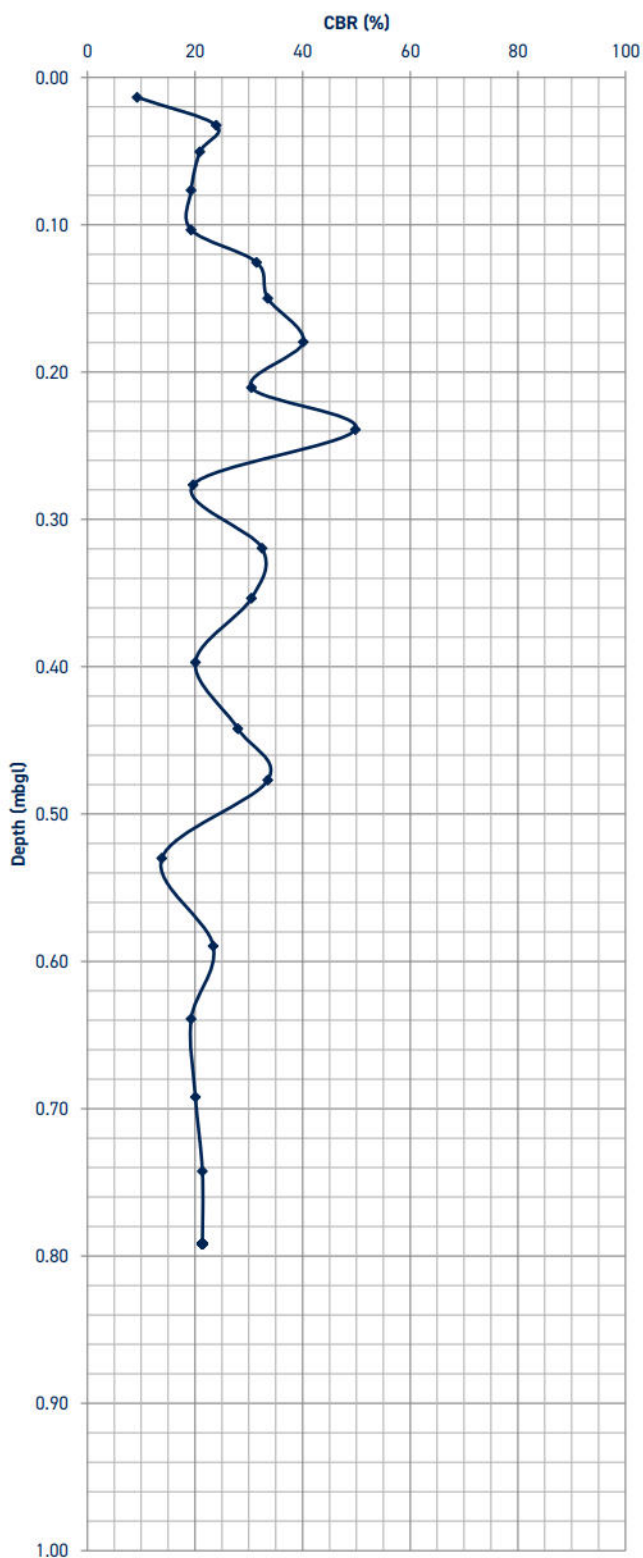
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS27
Depth of Start of Test (mbgl)	0.00

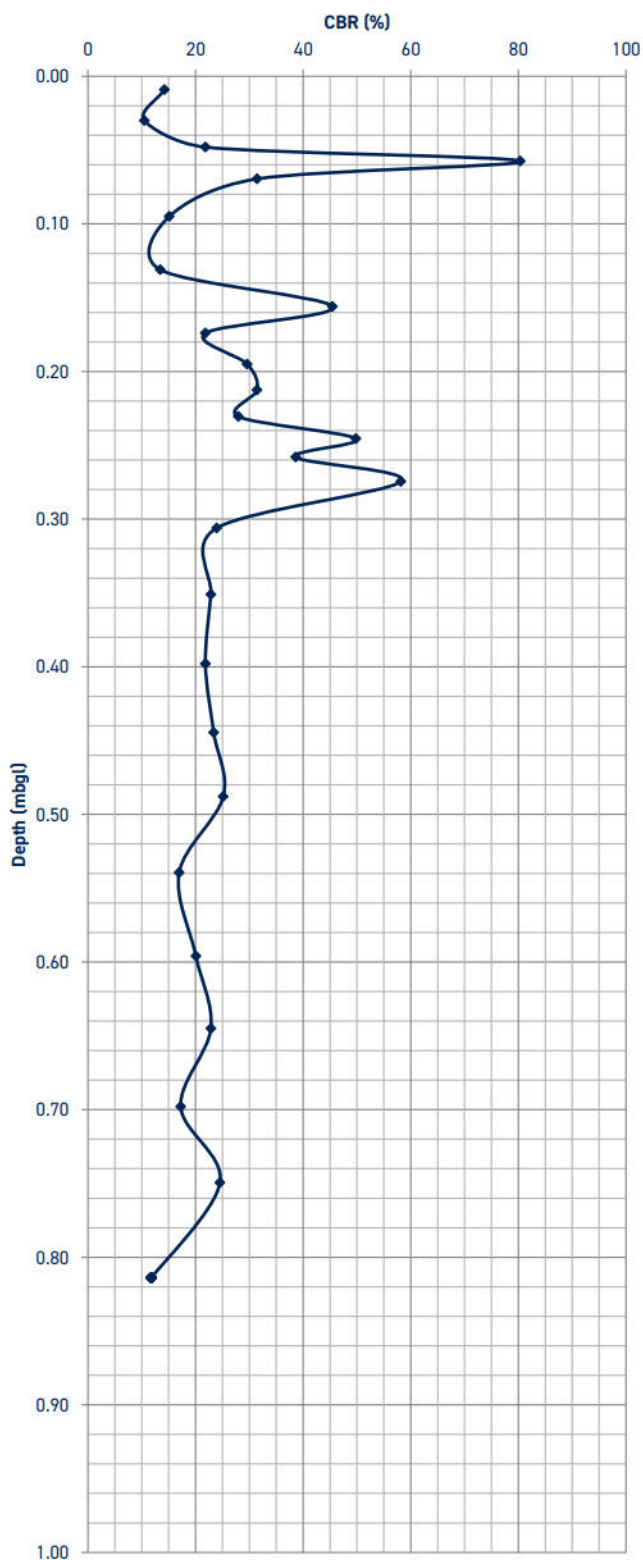
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS28
Depth of Start of Test (mbgl)	0.00

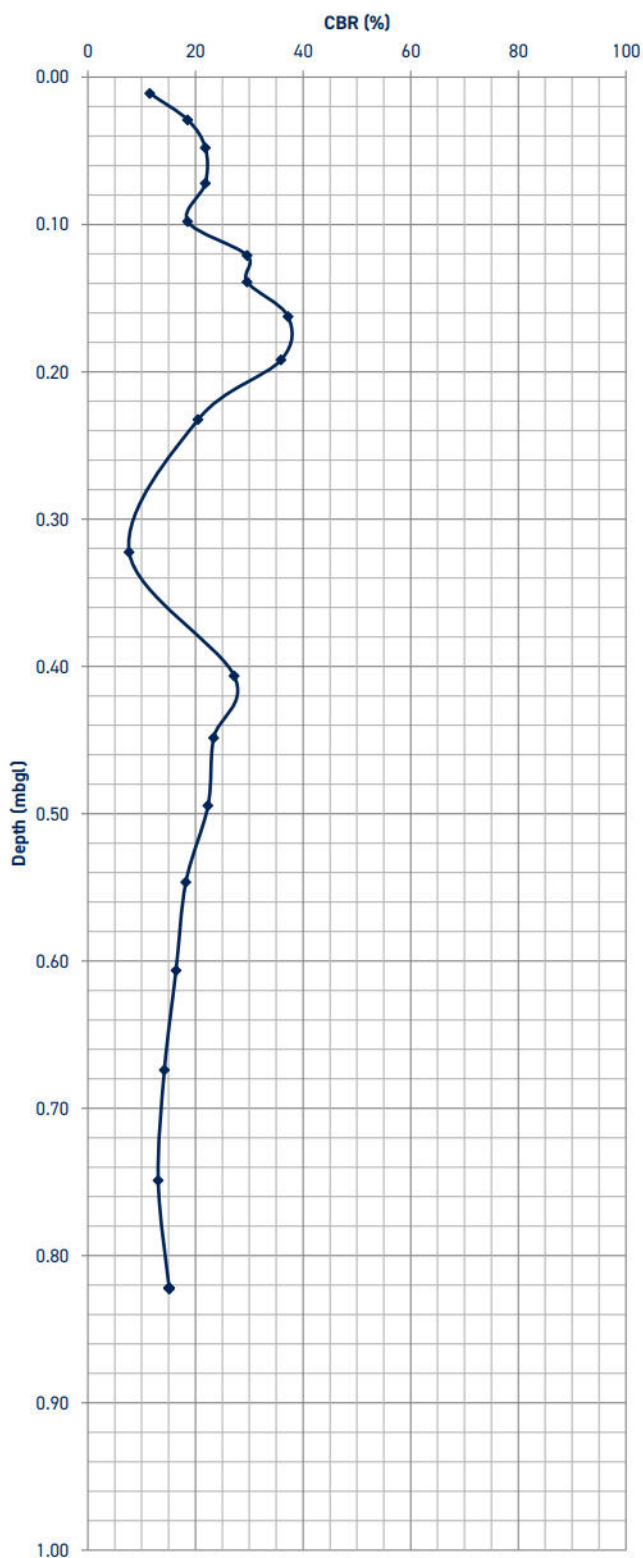
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS29
Depth of Start of Test (mbgl)	0.00

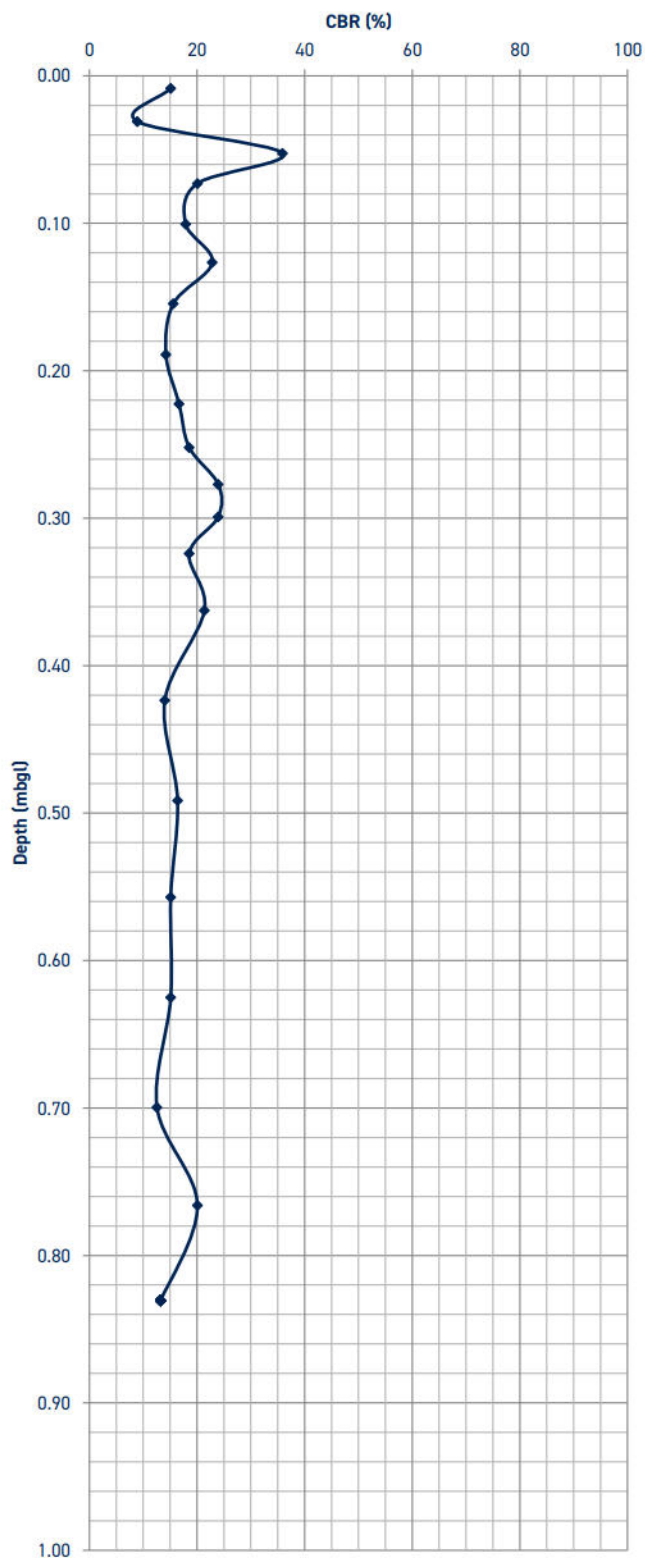
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS30
Depth of Start of Test (mbgl)	0.00

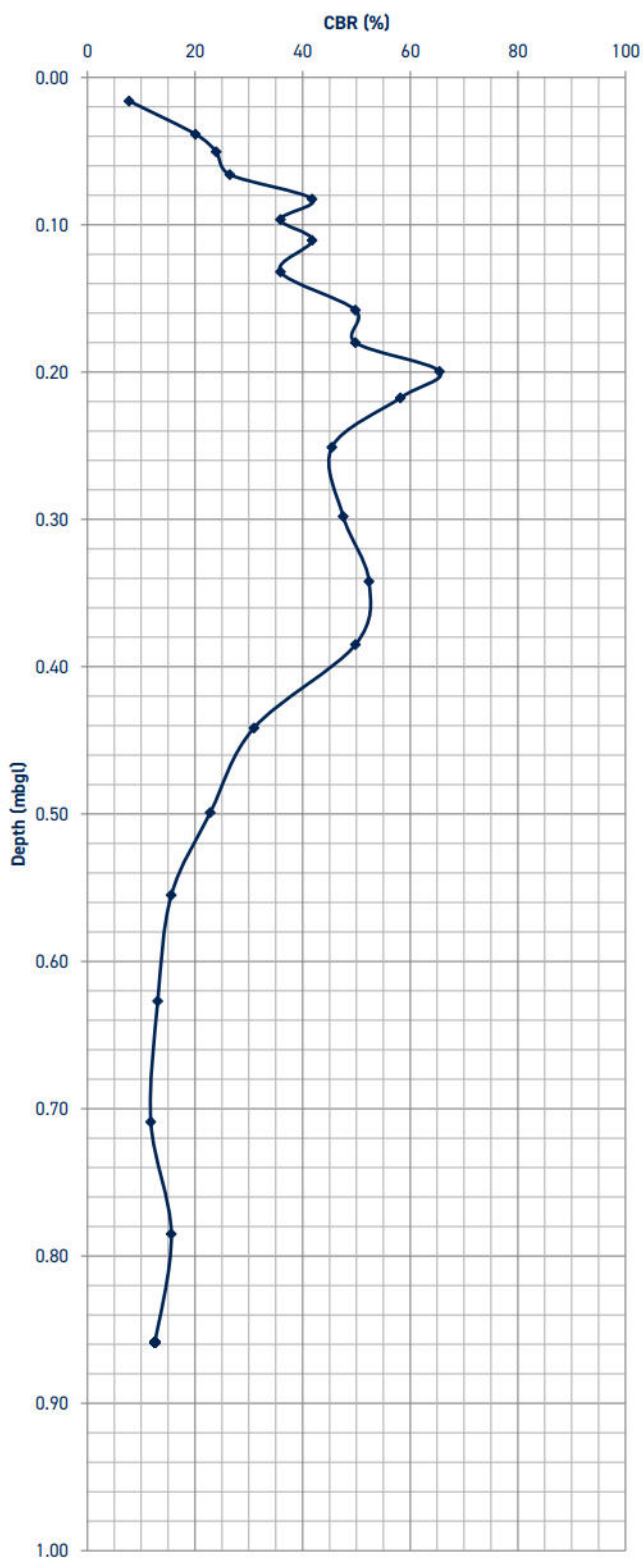
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS31
Depth of Start of Test (mbgl)	0.00

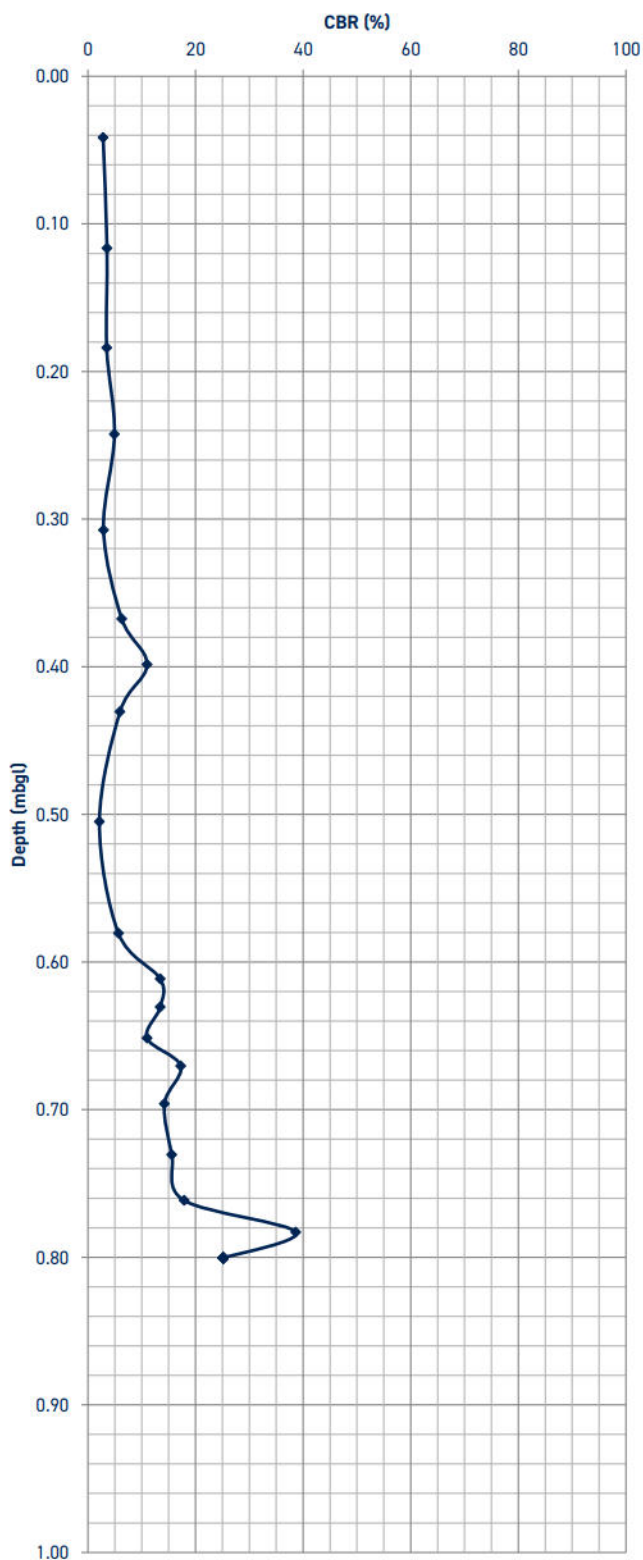
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS32
Depth of Start of Test (mbgl)	0.00

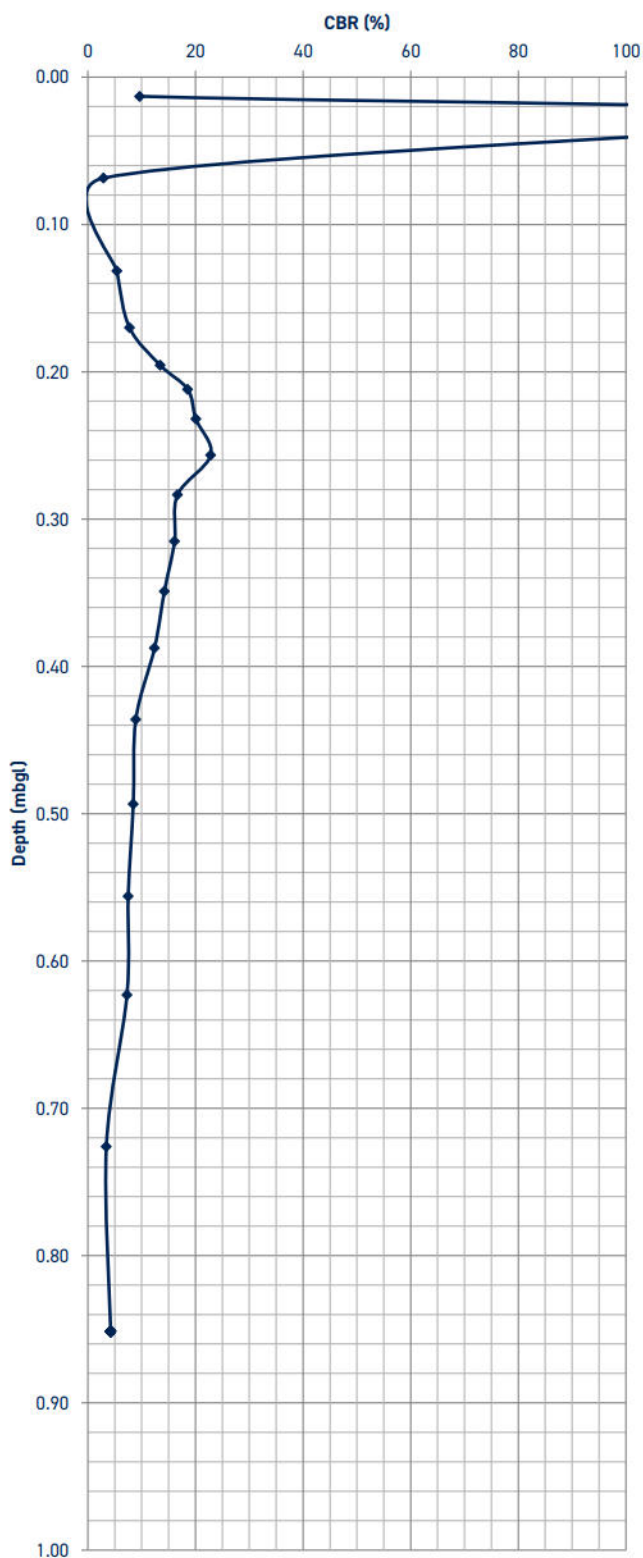
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	WS33
Depth of Start of Test (mbgl)	0.00

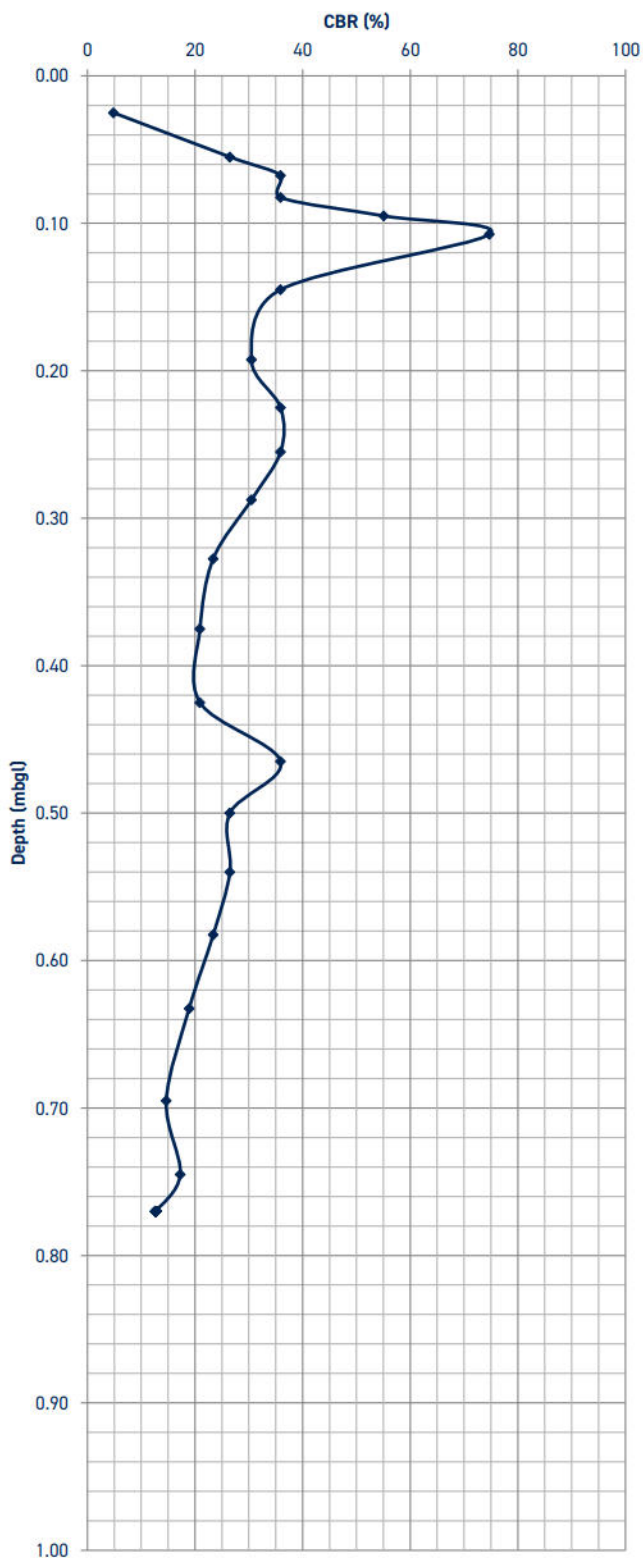
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	TP14
Depth of Start of Test (mbgl)	0.00

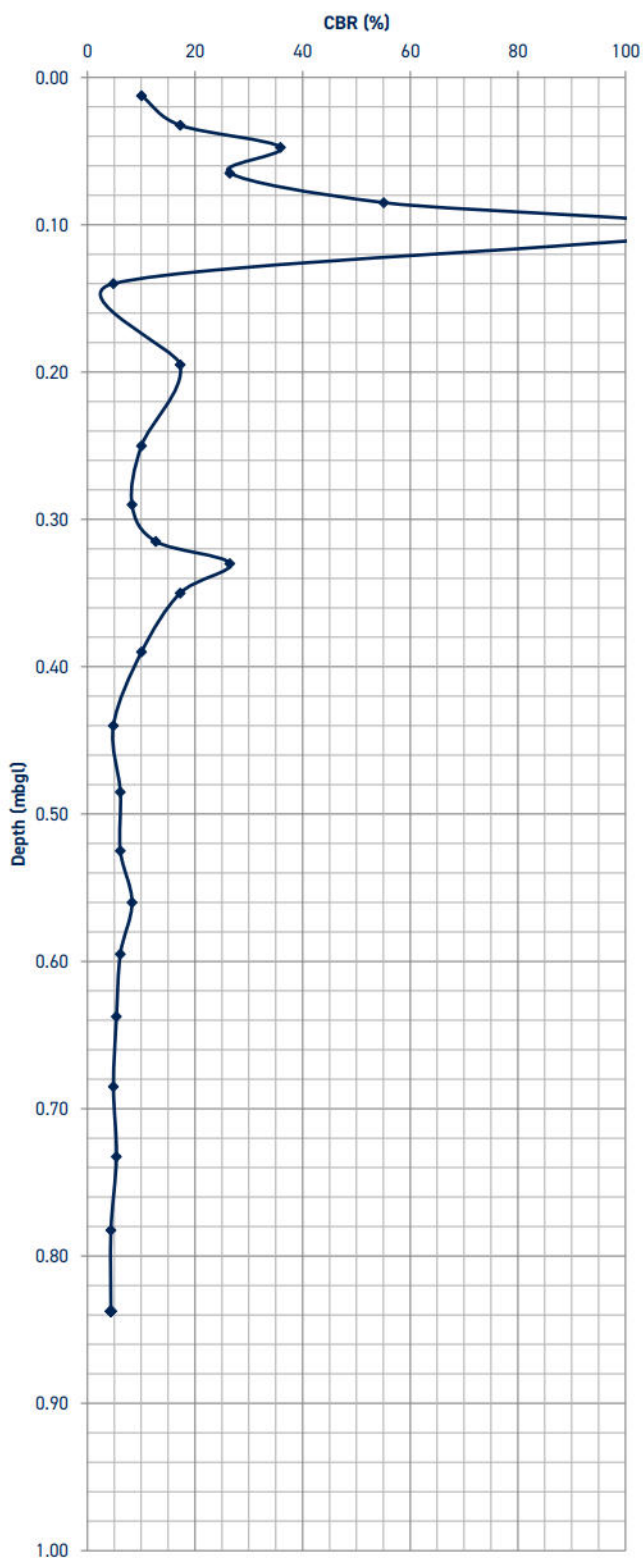
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	TP15
Depth of Start of Test (mbgl)	0.00

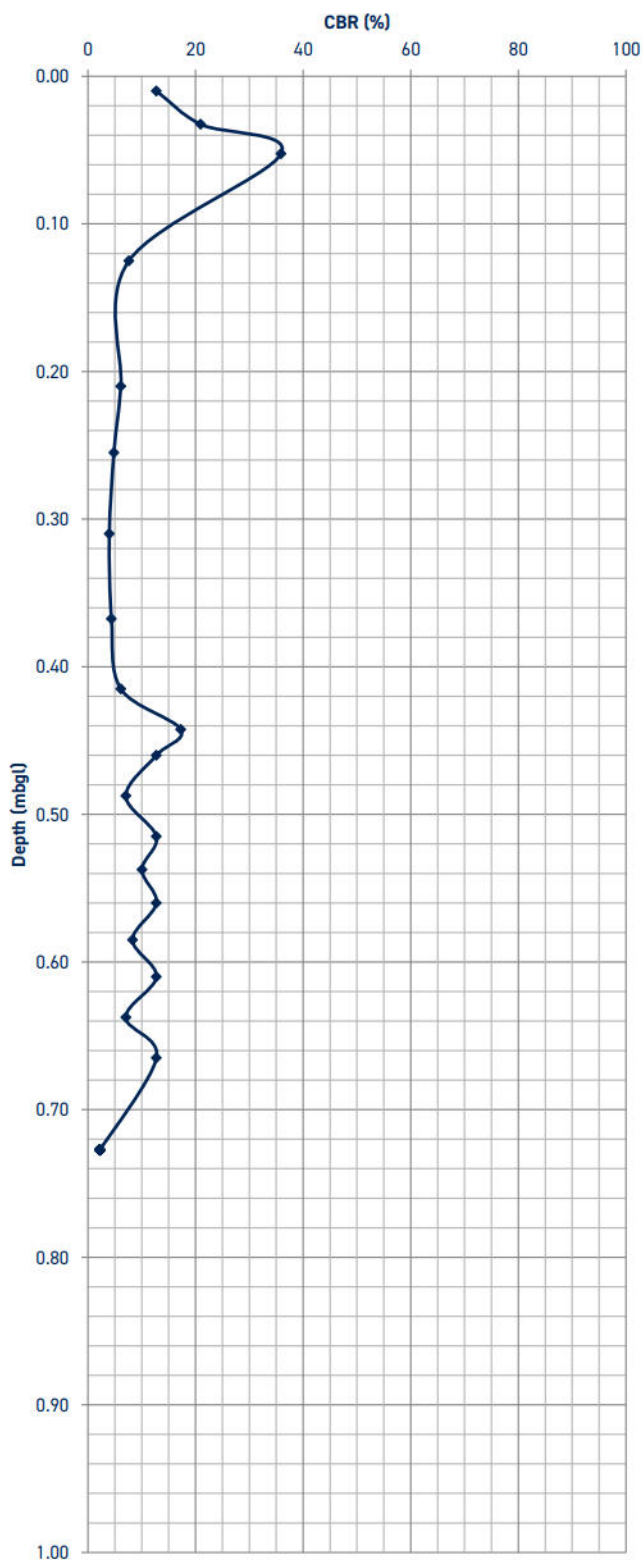
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	TP16
Depth of Start of Test (mbgl)	0.00

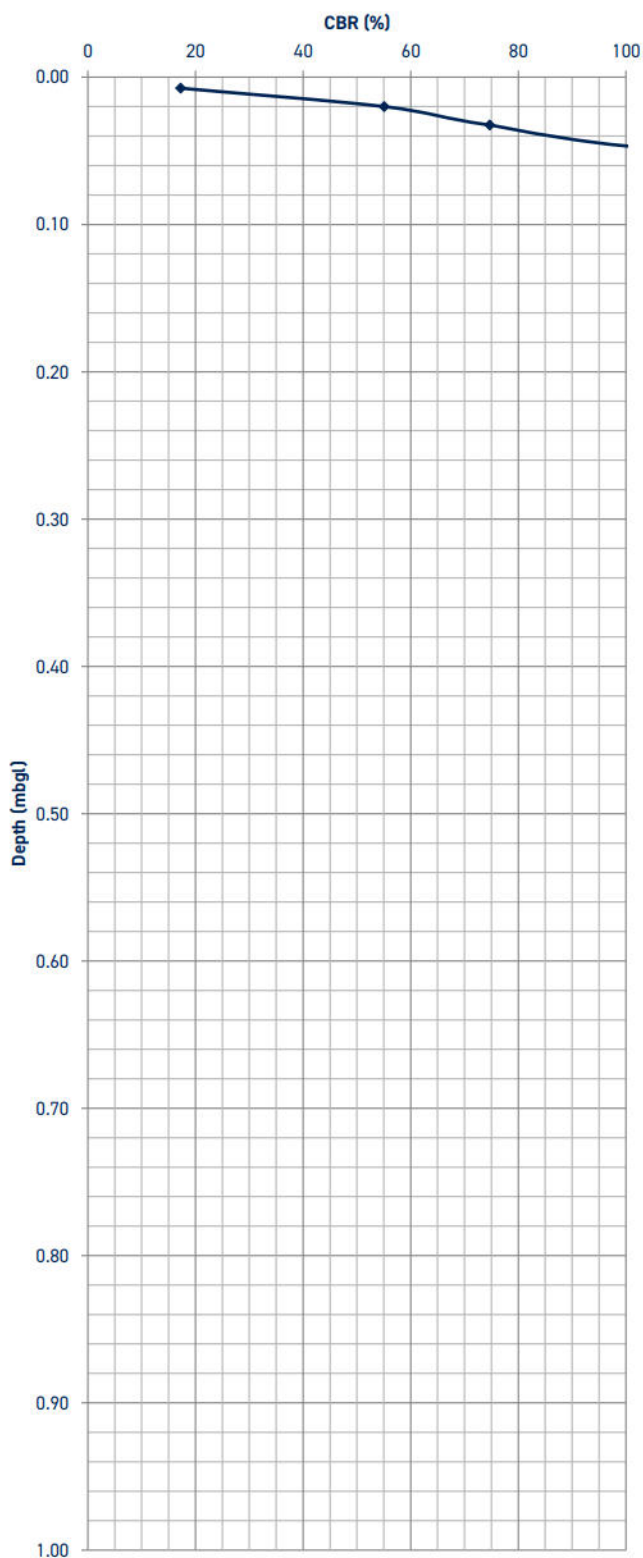
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	TP17
Depth of Start of Test (mbgl)	0.00

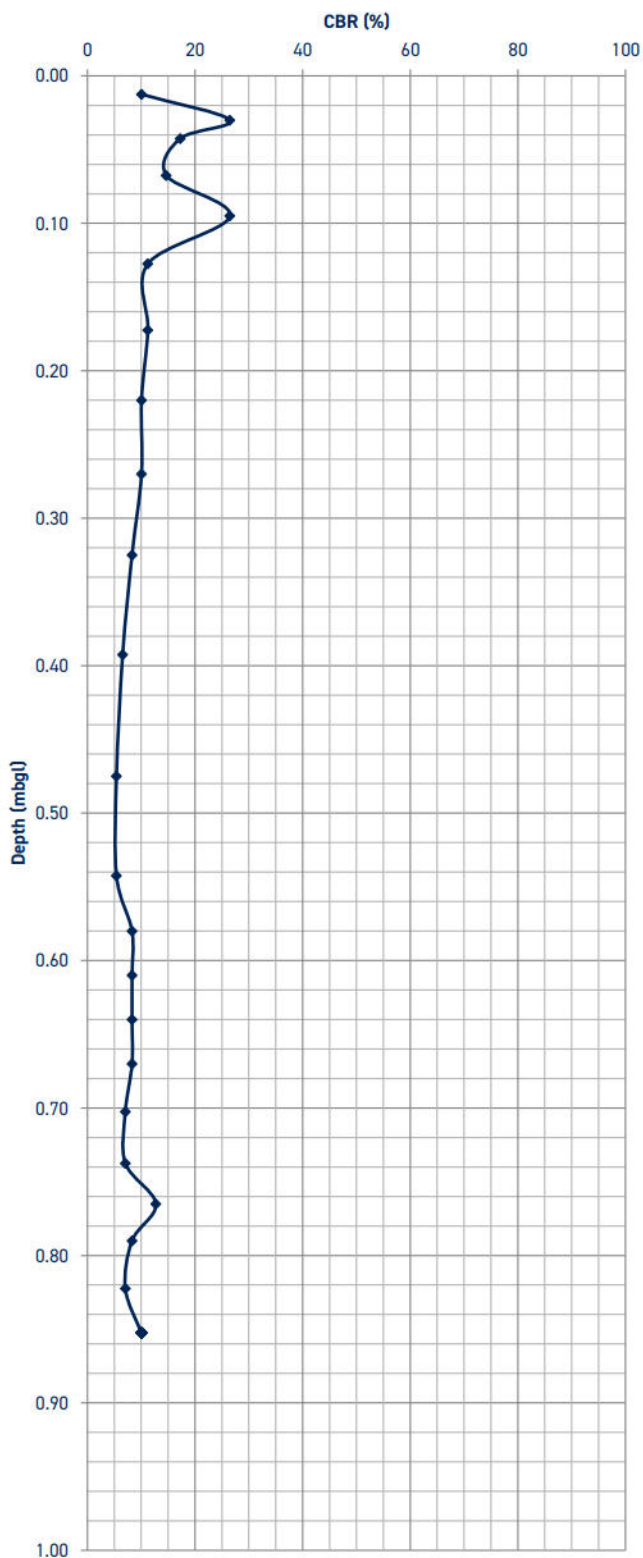
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	TP18
Depth of Start of Test (mbgl)	0.00

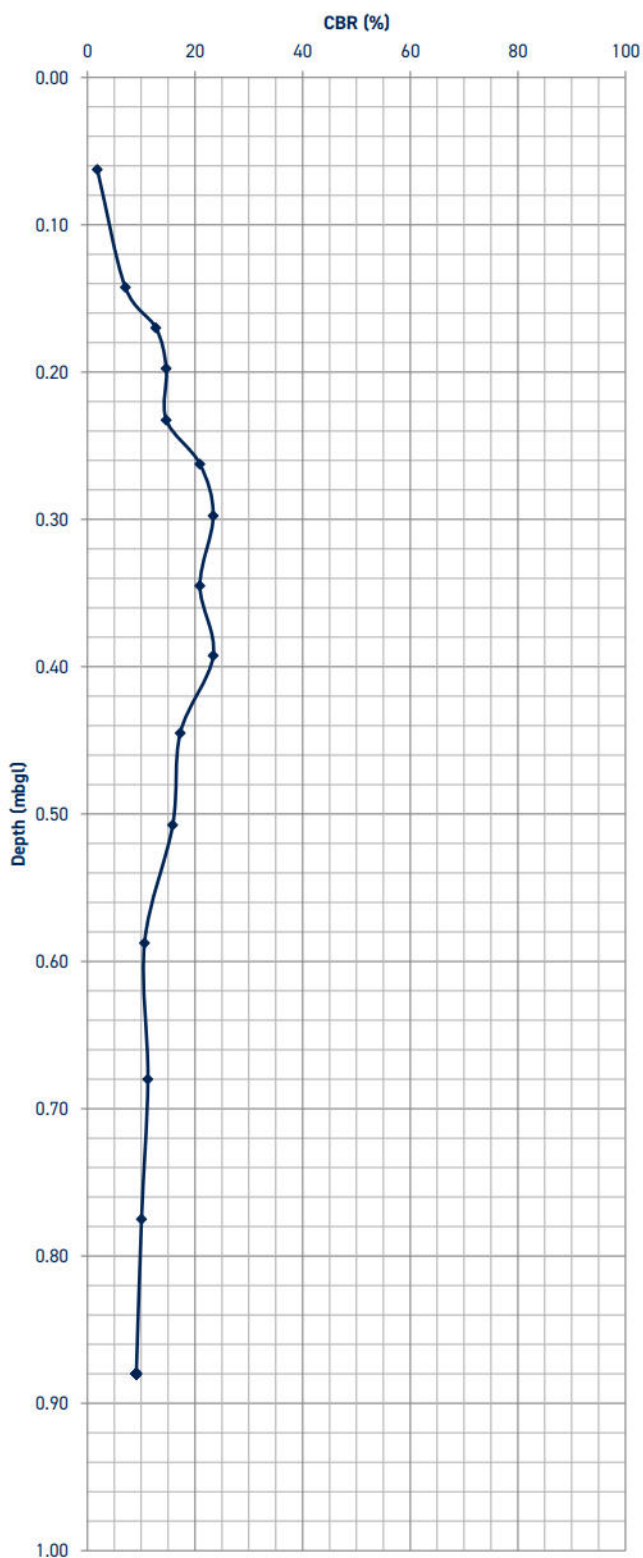
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	TP19
Depth of Start of Test (mbgl)	0.00

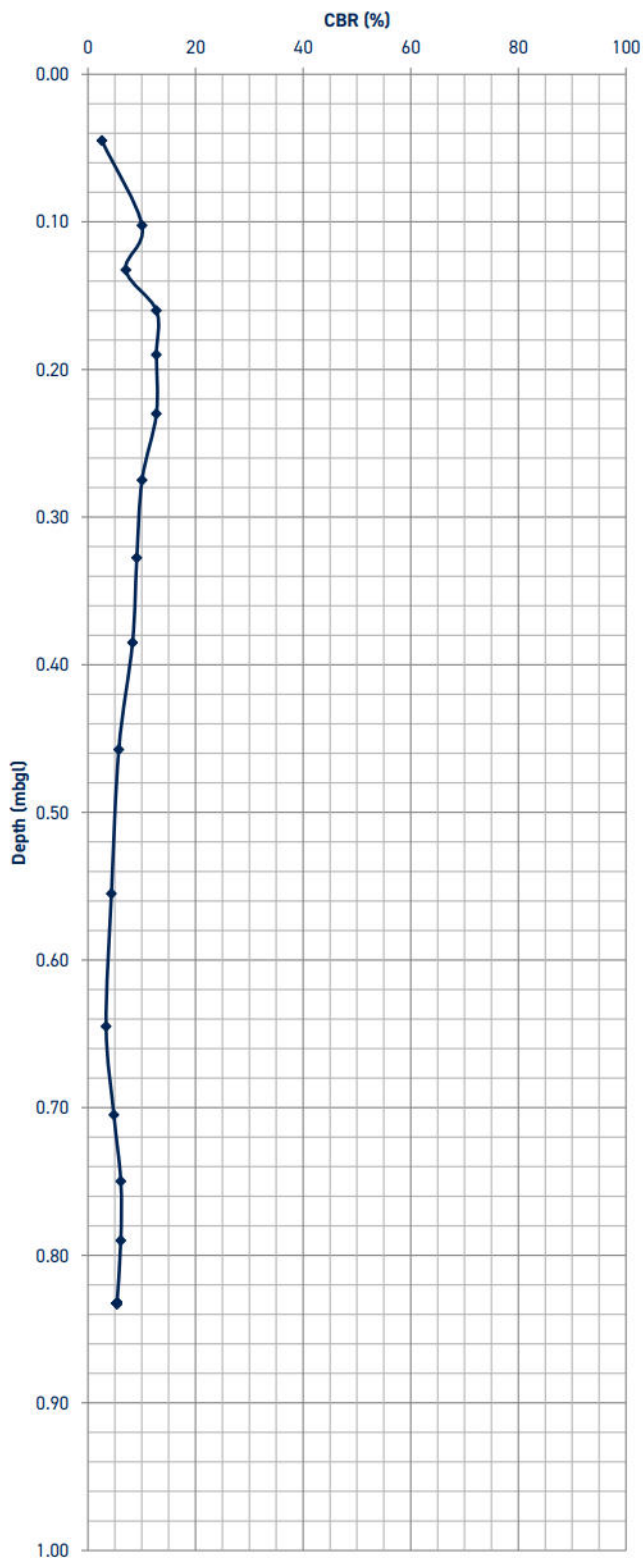
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	TP20
Depth of Start of Test (mbgl)	0.00

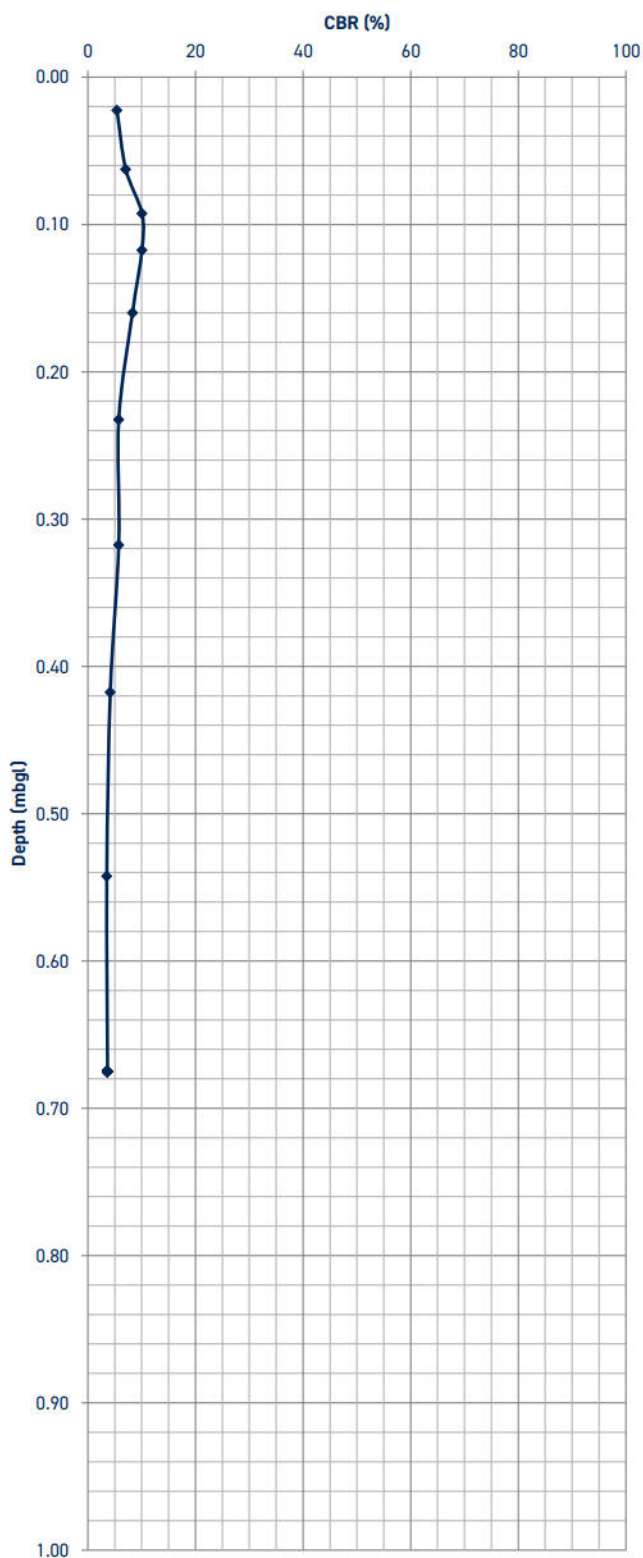
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	TP21
Depth of Start of Test (mbgl)	0.00

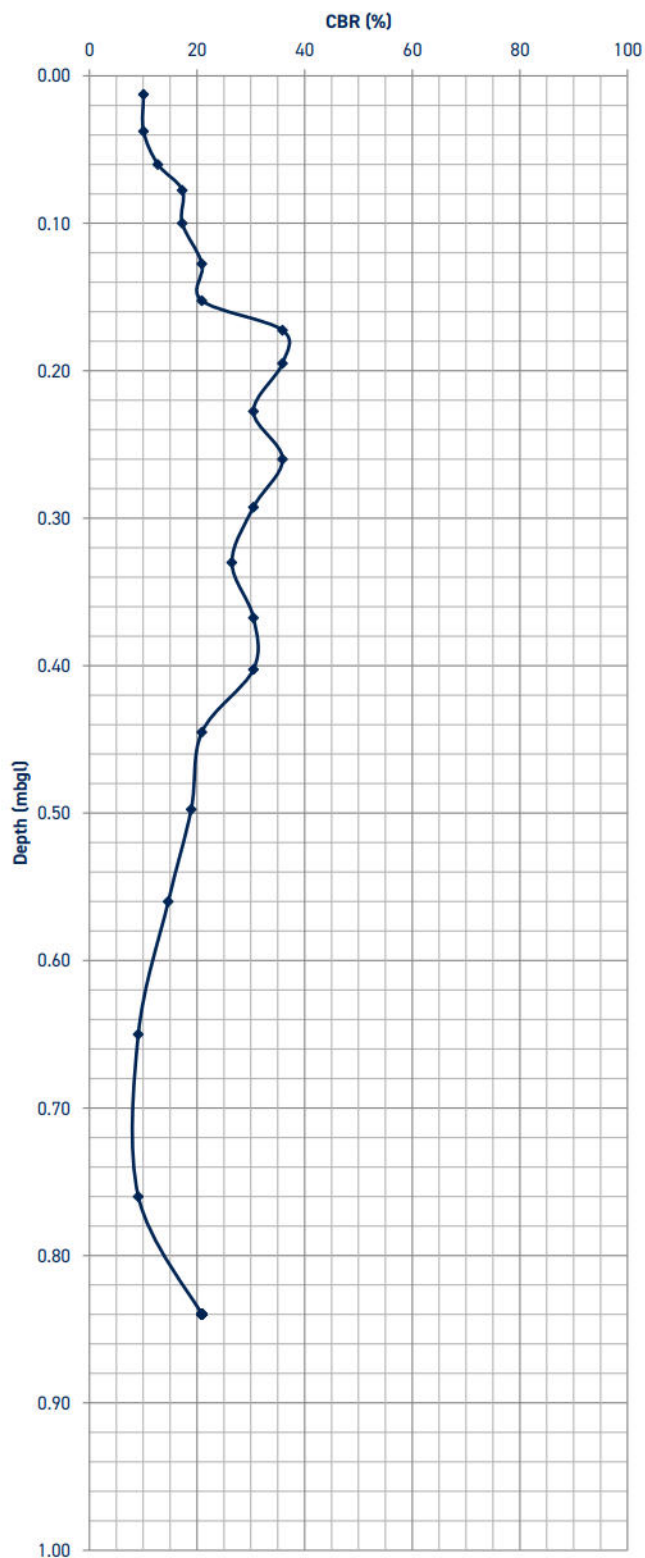
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	TP22
Depth of Start of Test (mbgl)	0.00

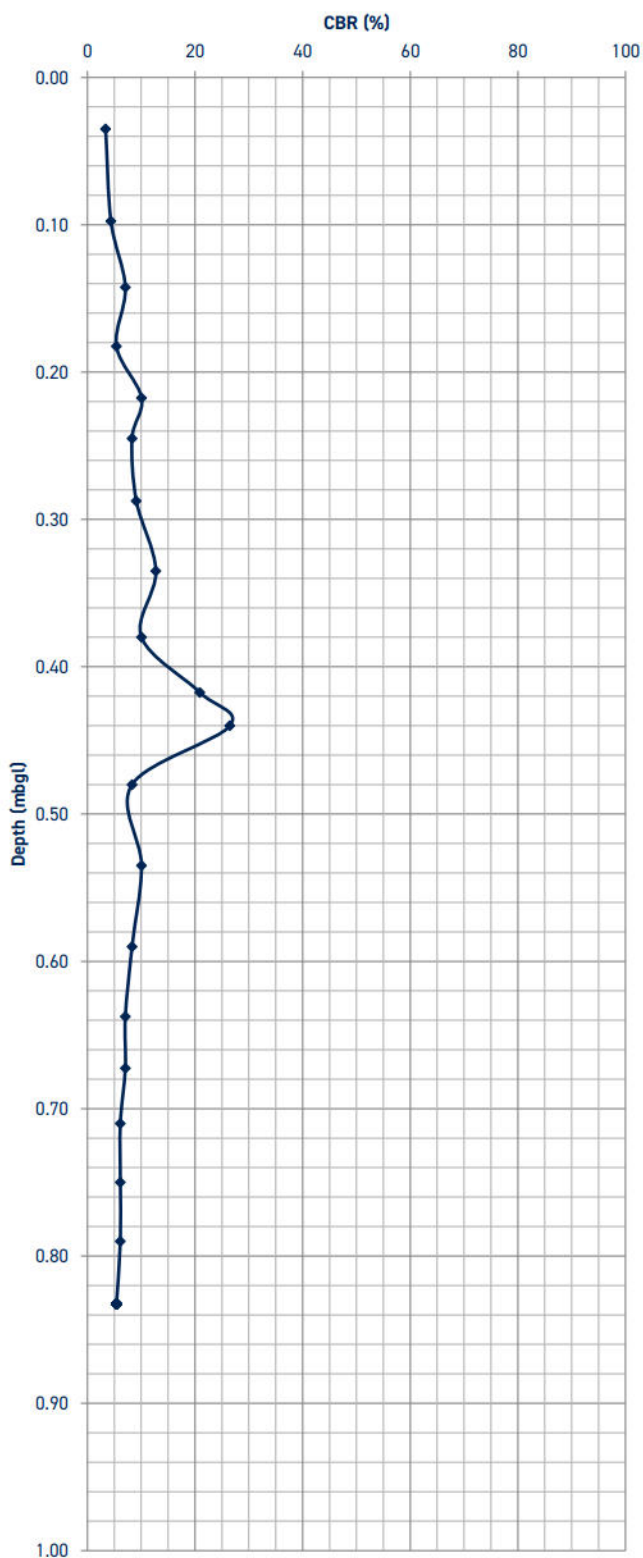
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	TP41
Depth of Start of Test (mbgl)	0.00

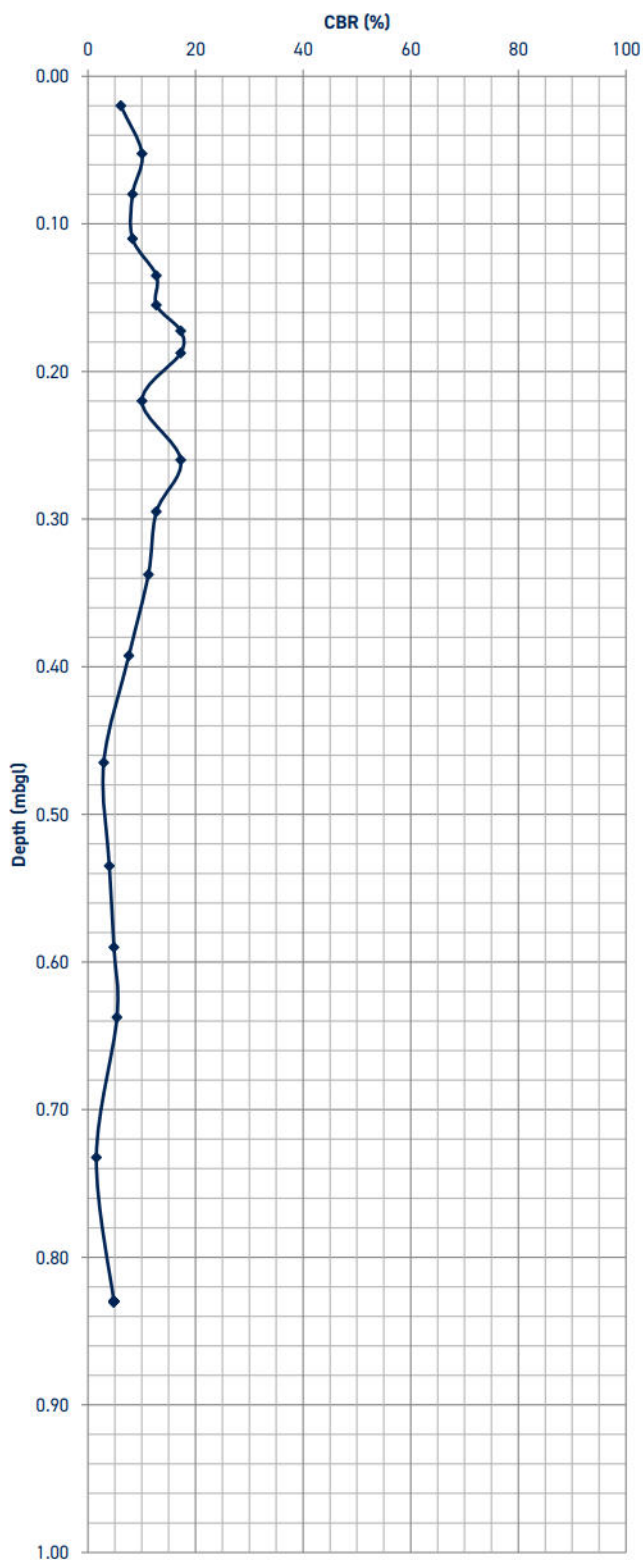
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	TP42
Depth of Start of Test (mbgl)	0.00

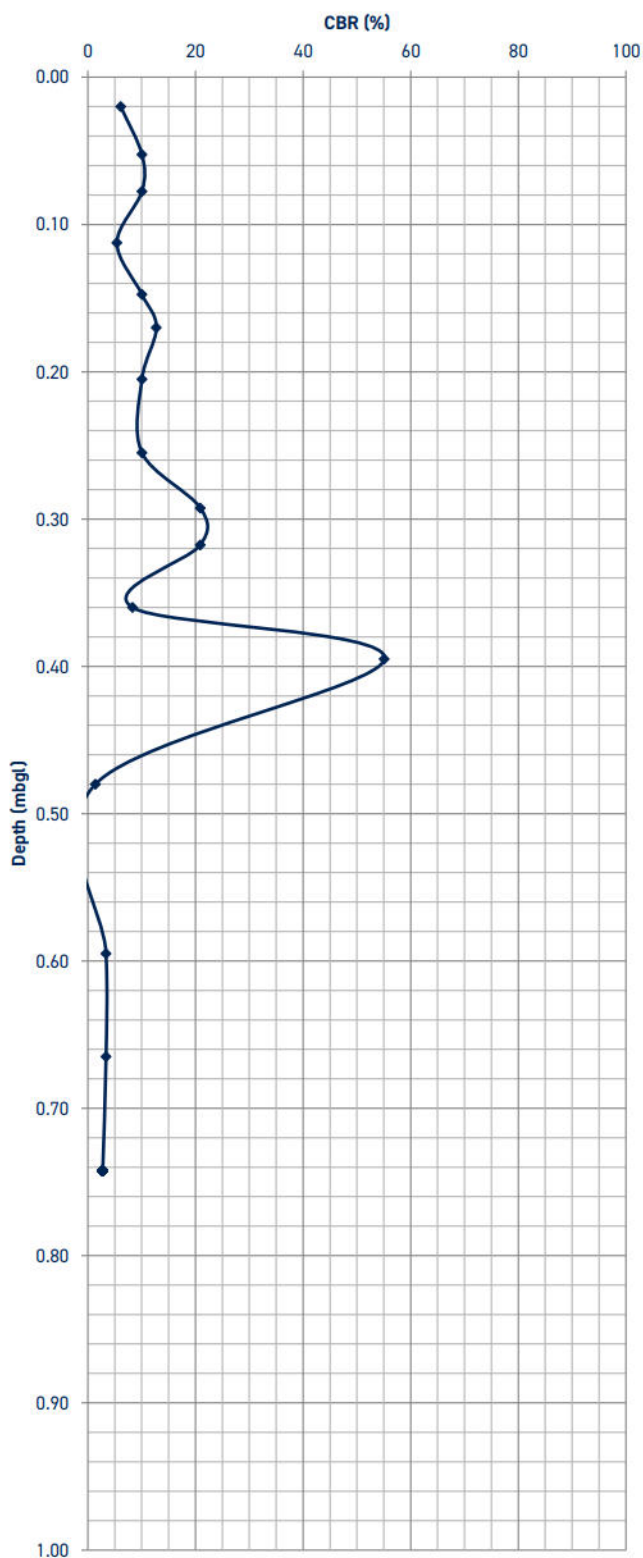
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	TP43
Depth of Start of Test (mbgl)	0.00

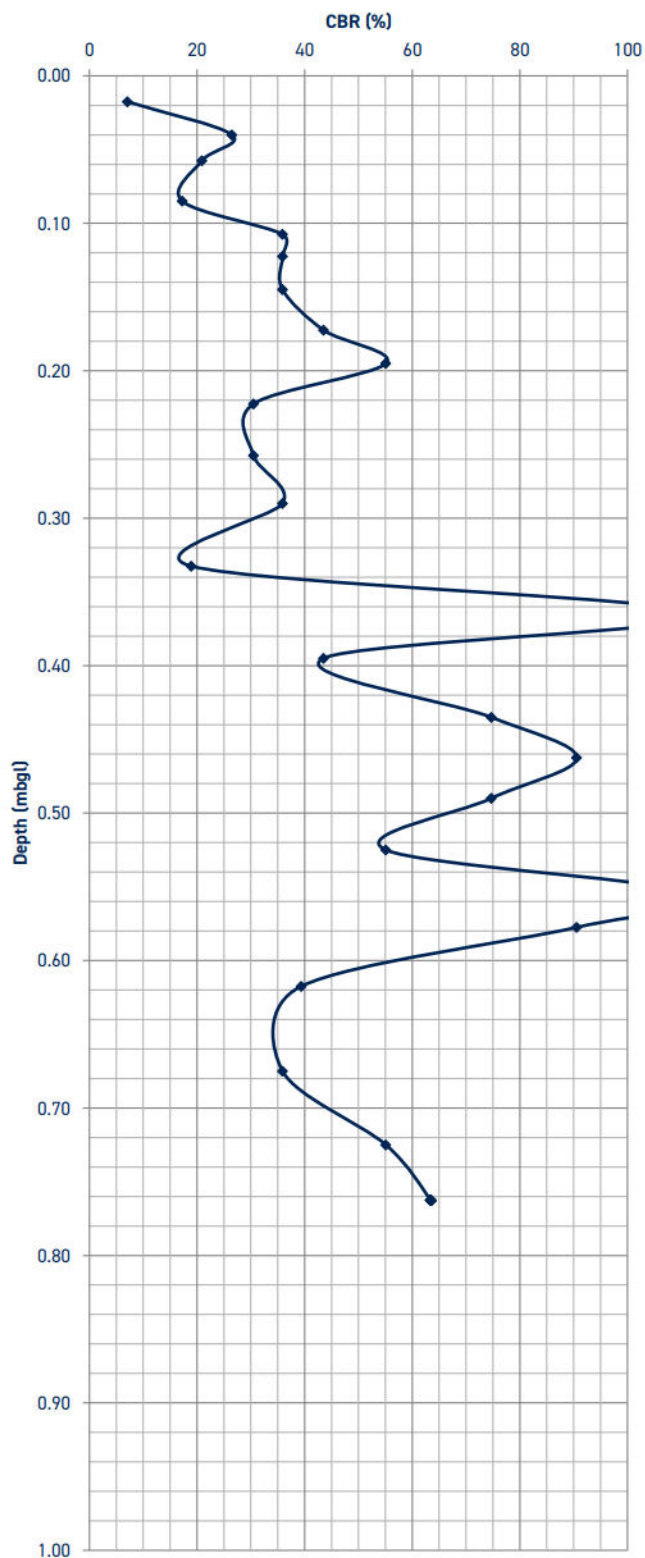
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	TP44
Depth of Start of Test (mbgl)	0.00

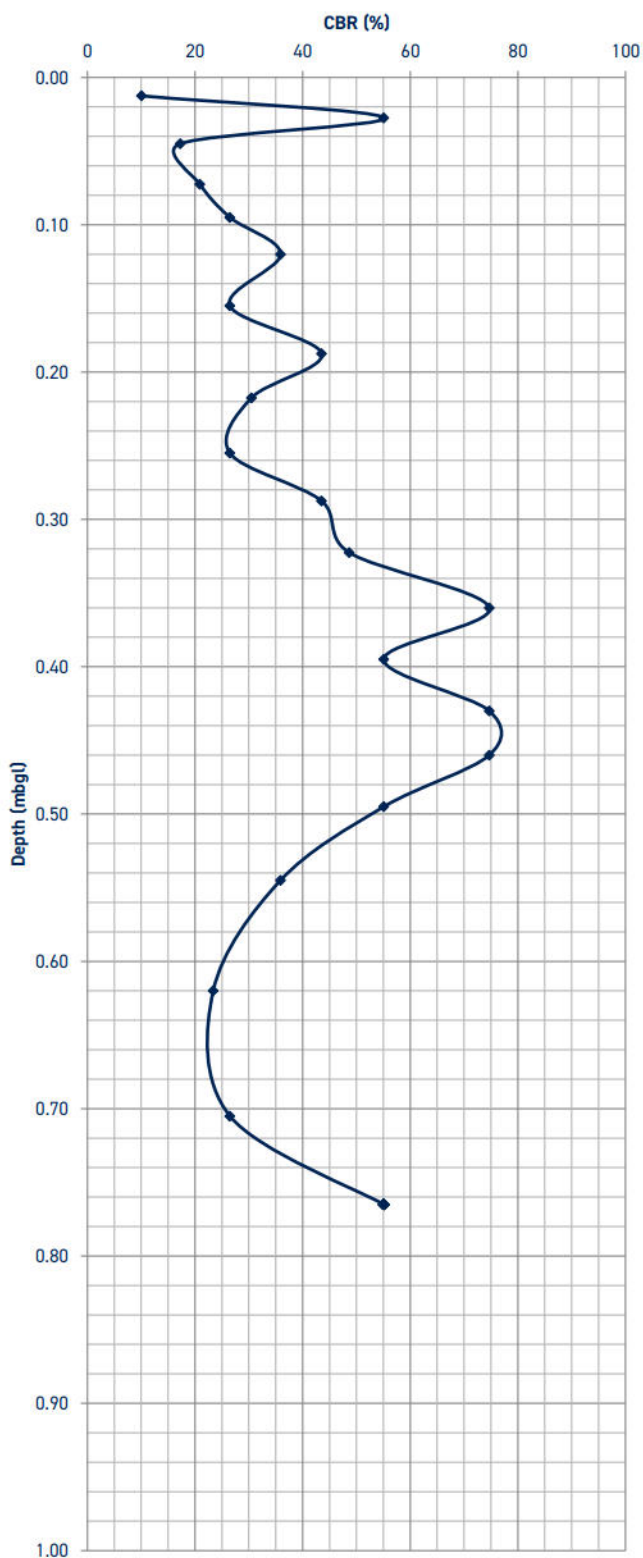
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	TP45
Depth of Start of Test (mbgl)	0.00

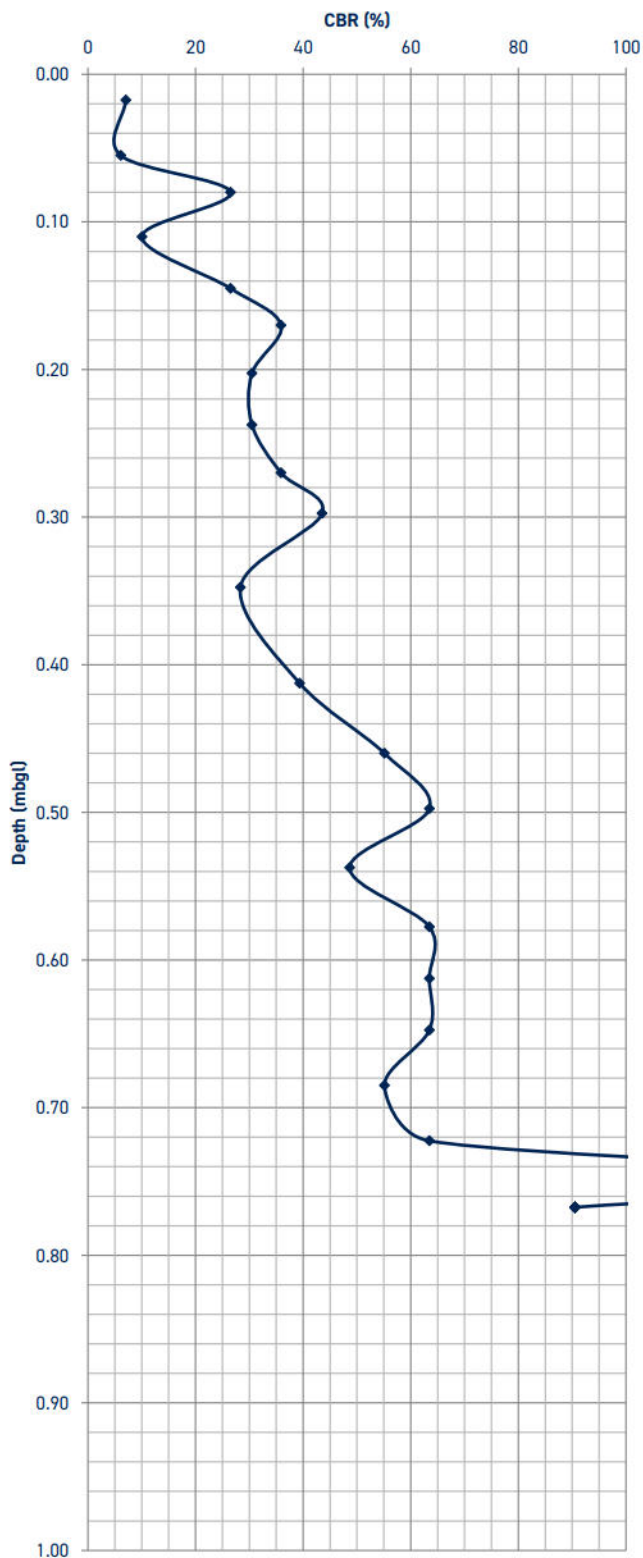
[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Test Location Reference	TP46
Depth of Start of Test (mbgl)	0.00

[illegible]

Notes: CBR Value calculated in accordance with the TRRL equation given in TRL Road Note 8.

APPENDIX C

Gas Concentration and Groundwater Monitoring Results

Site: Land at Woodgate Nurseries, Lidsey Road, Woodgate, West Sussex

Project Ref: P17318

Position	Date	Time	Dynamic Pressure (pa)	Atmospheric Pressure (mbar)	Atmospheric Trend	Standing Water Depth (m hnl)	Flow Rate (l/hr)				Methane (%)				Carbon Dioxide (%)				Oxygen (%)				CO (ppm)	H ₂ S (ppm)
							Seconds				Seconds				Seconds				Seconds					
							15	30	45	60	30	60	90	120	30	60	90	120	30	60	90	120		
WS05	26/08/2025	15:00	0	1005	Falling	2.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.3	2.4	2.5	19.6	19.4	19.3	19.3	0	0
WS07	26/08/2025	15:21	0	1005	Falling	2.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.7	0.8	20.7	20.6	20.6	20.5	0	0
WS09	26/08/2025	Unable to located standpipe																						
WS12	26/08/2025	15:40	0	1005	Falling	2.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.3	4.3	4.3	18.4	18.3	18.3	18.3	0	0
WS16	26/08/2025	16:01	0	1005	Falling	Dry	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	19.8	19.8	19.8	19.7	0	0
WS19	26/08/2025	15:50	0	1005	Falling	2.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5	3.5	19.4	19.4	19.4	19.3	0	0
WS22	26/08/2025	16:13	0	1004	Falling	2.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	19.8	19.8	19.7	19.6	0	0
WS25	26/08/2025	16:22	0	1005	Falling	2.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.6	0.6	20.9	20.8	20.8	20.7	0	0
WS29	26/08/2025	16:38	0	1005	Falling	2.69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.7	2.8	2.9	19.7	19.6	19.5	19.4	0	0
WS31	26/08/2025	16:31	0	1005	Falling	2.51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	21.2	21.1	21.0	21.0	0	0
WS05	01/09/2025	10:47	0	1001	Rising	1.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.5	19.8	20.1	20.2	20.2	0	0
WS07	01/09/2025	11:07	0	1001	Rising	2.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.1	20.3	20.5	20.4	20.3	0	0
WS09	01/09/2025	12:31	0	1001	Rising	1.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.1	20.7	20.8	20.8	20.9	0	0
WS12	01/09/2025	11:15	0	1000	Rising	2.52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.3	3.5	3.6	18.4	18.3	18.1	18.0	0	0
WS16	01/09/2025	11:33	0	1000	Rising	2.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.6	3.9	4.0	17.3	17.0	16.9	16.9	0	0
WS19	01/09/2025	11:24	0	1000	Rising	2.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.5	3.5	3.6	18.4	18.3	18.3	18.3	0	0
WS22	01/09/2025	12:19	0	1000	Rising	2.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	20.9	20.9	20.9	20.8	0	0
WS25	01/09/2025	12:01	0	1001	Rising	2.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.2	1.4	1.6	19.8	19.7	19.6	19.4	0	0
WS29	01/09/2025	11:51	0	1001	Rising	2.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.8	2.9	3.0	18.9	18.8	18.7	18.6	0	0
WS31	01/09/2025	12:38	0	1000	Rising	2.51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	20.9	20.9	20.9	20.8	0	0

Site: Land at Woodgate Nurseries, Lidsey Road, Woodgate, West Sussex

Project Ref: P17318

Position	Date	Time	Dynamic Pressure (pa)	Atmospheric Pressure (mbar)	Atmospheric Trend	Standing Water Depth (m hnl)	Flow Rate (l/hr)				Methane (%)				Carbon Dioxide (%)				Oxygen (%)				CO (ppm)	H ₂ S (ppm)
							Seconds				Seconds				Seconds				Seconds					
							15	30	45	60	30	60	90	120	30	60	90	120	30	60	90	120		
WS05	09/09/2025	10:50	0	1013	Falling	1.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.3	2.5	2.7	18.0	17.2	16.7	16.4	0	0
WS07	09/09/2025	11:34	0	1015	Falling	2.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.1	20.5	20.7	20.7	20.7	0	0
WS09	09/09/2025	11:00	0	1015	Falling	1.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	20.4	20.6	20.7	20.7	0	0
WS12	09/09/2025	11:25	0	1013	Falling	2.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.9	0.7	0.7	18.9	19.8	20.0	20.1	0	0
WS16	09/09/2025	11:45	0	1013	Falling	1.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.4	4.4	4.4	16.0	13.3	13.2	13.2	0	0
WS19	09/09/2025	11:09	0	1013	Falling	2.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.5	3.5	3.5	17.5	17.4	17.4	17.4	0	0
WS22	09/09/2025	12:15	0	1013	Falling	2.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.4	1.4	19.2	19.1	19.1	19.1	0	0
WS25	09/09/2025	12:00	0	1012	Falling	2.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.9	1.9	18.2	18.2	18.1	18.1	0	0
WS29	09/09/2025	12:55	0	1012	Falling	2.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.5	2.6	2.6	18.4	18.3	18.2	18.2	0	0
WS31	09/09/2025	12:40	0	1013	Falling	2.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	20.9	20.9	20.9	20.9	0	0
WS05	15/09/2025	09:20	0	1005	Rising	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	5.4	5.4	5.4	9.6	8.5	8.4	8.4	0	0
WS07	15/09/2025	09:32	0	1004	Rising	1.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	20.6	20.7	20.7	20.7	0	0
WS09	15/09/2025	09:14	0	1005	Rising	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	20.9	20.8	20.7	20.7	0	0
WS12	15/09/2025	09:45	0	1004	Rising	2.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.2	20.4	20.5	20.6	20.6	0	0
WS16	15/09/2025	10:15		1004	Rising	0.41	Standpipe cover flooded unable to monitor																	
WS19	15/09/2025	10:00	0	1004	Rising	2.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.6	3.6	3.6	16.5	16.4	16.4	16.4	0	0
WS22	15/09/2025	10:30	0	1004	Rising	1.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.9	0.9	20.6	20.1	19.7	19.7	0	0
WS25	15/09/2025	10:20	0	1004	Rising	2.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.2	1.4	1.5	18.9	18.6	18.2	18.1	0	0
WS29	15/09/2025	11:15	0	1004	Rising	2.53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.2	3.3	3.3	17.0	16.8	16.7	16.7	0	0
WS31	15/09/2025	10:55	0	1004	Rising	2.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.2	20.0	20.4	20.5	20.5	0	0

Site: Land at Woodgate Nurseries, Lidsey Road, Woodgate, West Sussex

Project Ref: P17318

Position	Date	Time	Dynamic Pressure (pa)	Atmospheric Pressure (mbar)	Atmospheric Trend	Standing Water Depth (m hnl)	Flow Rate (l/hr)				Methane (%)				Carbon Dioxide (%)				Oxygen (%)				CO (ppm)	H ₂ S (ppm)
							Seconds				Seconds				Seconds				Seconds					
							15	30	45	60	30	60	90	120	30	60	90	120	30	60	90	120		
WS05	27/10/2025	09:27	0	1005	Rising	0.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.5	4.4	4.4	3.8	3.8	4.2	8.2	0	0
WS07	27/10/2025	09:14	0	1005	Rising	2.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	20.4	20.4	20.4	20.4	0	0
WS09	27/10/2025	09:45	0	1005	Rising	1.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	20.4	20.4	20.4	0	0
WS12	27/10/2025	10:14	0	1005	Rising	1.84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	20.4	20.4	20.5	20.5	0	0
WS16	27/10/2025	11:54	0	1006	Rising	1.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.2	18.3	19.3	19.6	19.8	0	0
WS19	27/10/2025	10:32	0	1005	Rising	1.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	3.0	2.8	17.3	17.1	17.1	17.1	0	0
WS22	27/10/2025	10:56	0	1006	Rising	1.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.2	1.1	18.8	18.9	19.4	17.6	0	0
WS25	27/10/2025	11:11	0	1006	Rising	2.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.0	1.1	1.1	19.6	19.5	19.5	19.4	0	0
WS29	27/10/2025	11:25	0	1006	Rising	2.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.3	4.3	4.3	15.8	15.8	15.7	15.8	0	0
WS31	27/10/2025	09:36	0	1004	Rising	1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	20.4	20.4	20.4	0	0
WS05	01/12/2025	10:28	0	1003	Falling	0.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	15.4	15.3	15.3	15.2	0	0
WS07	01/12/2025	10:09	0	1003	Falling	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	20.3	19.9	19.9	20.0	0	0
WS09	01/12/2025	10:49	0	1003	Falling	0.91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	20.2	20.3	20.3	20.3	0	0
WS12	01/12/2025	12:28	0	1003	Falling	0.74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.4	1.0	1.0	15.6	16.8	17.5	17.5	0	0
WS16	01/12/2025	11:03	0	1003	Falling	0.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.1	3.1	5.1	4.5	4.3	4.2	0	0
WS19	01/12/2025	12:14	0	1003	Falling	0.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.5	3.5	3.5	14.0	13.6	13.5	13.7	0	0
WS22	01/12/2025	11:19	0	1002	Falling	0.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	19.5	19.6	19.6	19.6	0	0
WS25	01/12/2025	11:34	0	1003	Falling	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	19.9	20.0	20.1	20.1	0	0
WS29	01/12/2025	12:11	0	1003	Falling	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	15.6	15.2	15.1	15.1	0	0
WS31	01/12/2025	11:51	0	1003	Falling	0.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	20.2	20.2	20.2	20.2	0	0

Site: Land at Woodgate Nurseries, Lidsey Road, Woodgate, West Sussex

Project Ref: P17318

Position	Date	Time	Dynamic Pressure (pa)	Atmospheric Pressure (mbar)	Atmospheric Trend	Standing Water Depth (m hnl)	Flow Rate (l/hr)				Methane (%)				Carbon Dioxide (%)				Oxygen (%)				CO (ppm)	H ₂ S (ppm)
							Seconds				Seconds				Seconds				Seconds					
							15	30	45	60	30	60	90	120	30	60	90	120	30	60	90	120		
WS05	26/01/2026	12:16	0	1000	Rising	0.80	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	19.5	19.4	19.4	19.4	0	0
WS07	26/01/2026	11:56	0	1000	Rising	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	19.4	19.4	19.4	19.4	0	0
WS09	26/01/2026	12:37	0	1000	Rising	0.97	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	19.5	19.5	19.5	19.5	0	0
WS12	26/01/2026	11:43	0	1000	Rising	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	19.4	19.4	19.3	19.3	0	0
WS16	26/01/2026	09:23	0	1000	Rising	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.2	2.1	1.8	9.8	7.4	6.8	6.6	0	0
WS19	26/01/2026	11:25	0	1000	Rising	0.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	19.3	19.3	19.3	19.3	0	0
WS22	26/01/2026	11:00	0	1000	Rising	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	19.3	19.3	19.3	19.2	0	0
WS25	26/01/2026	10:42	0	1000	Rising	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	19.3	18.2	19.2	19.2	0	0
WS29	26/01/2026	10:25	0	998	Rising	0.52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	19.3	19.3	19.3	19.2	0	0
WS31	26/01/2026	10:03	0	1000	Rising	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	19.7	19.7	19.7	19.8	0	0

APPENDIX D

Geotechnical Laboratory Test Results

Contamination Laboratory Test Results

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

BH/TP No.	Depth (m)	Nat. Moist. Cont. (w %)	Equiv. Moist. Cont. (w _a %)	Atterberg Limits			Class'n	Cons. Index (I _c)	% passing 425 µm sieve	Visual Description of Sample
				W _L %	W _p %	I _p %				
WS01	0.50	28		59	22	37	CIH	0.84*	90	Stiff brown slightly gravelly CLAY. Gravel is fine flint.
WS02	1.00	18		38	17	21	CIM	0.95*	69	Stiff brown slightly gravelly silty CLAY. Gravel is fine to medium flint.
WS03	0.80	17		49	19	30	CIM	1.07*	95	Very stiff brown slightly gravelly silty CLAY. Gravel is fine flint.
WS04	1.90	21		29	19	10	CIL	0.80*	90	Stiff orange brown slightly gravelly silty CLAY. Gravel is fine flint.
WS05	1.50	15		48	18	30	CIM	1.10*	90	Very stiff brown slightly gravelly silty CLAY. Gravel is fine to medium flint.
WS06	0.80	23		51	20	31	CIH	0.90*	100	Stiff brown orange slightly sandy silty CLAY.
WS07	1.00	20		42	15	27	CIM	0.81*	100	Stiff brown mottled orange and grey slightly sandy silty CLAY.
WS08	1.40	16		37	17	20	CIM	1.05*	90	Very stiff brown slightly gravelly silty CLAY. Gravel is fine flint.
WS09	1.50	21		41	16	25	CIM	0.80*	90	Stiff brown slightly gravelly slightly sandy silty CLAY. Gravel is fine flint.
WS10	0.80	24		46	19	27	CIM	0.81*	100	Stiff brown silty CLAY.

Test Method: Classification Tests BS1377: Part 2: 1990: Method 4.4, 5.3 and 5.4

Sheet No. 1

* Consistency index based on natural moisture content and not the equivalent moisture content.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

BH/TP No.	Depth (m)	Nat. Moist. Cont. (w %)	Equiv. Moist. Cont. (w _a %)	Atterberg Limits			Class'n	Cons. Index (I _c)	% passing 425 µm sieve	Visual Description of Sample
				W _L %	W _p %	I _p %				
WS11	1.50	19		40	17	23	CLM	0.91*	100	Stiff brown and orange brown slightly sandy silty CLAY.
WS12	1.30	19		39	16	23	CLM	0.87*	95	Stiff brown, light brown and orange brown slightly gravelly slightly sandy silty CLAY. Gravel is fine flint.
WS13	1.10	15		38	16	22	CLM	1.05*	100	Very stiff brown, light brown and orange brown slightly sandy silty CLAY.
WS14	1.25	20		37	18	19	CLM	0.89*	95	Stiff brown and light brown slightly gravelly slightly sandy CLAY. Gravel is fine flint.
WS15	0.70	19		35	17	18	CLL/CLM	0.89*	90	Stiff brown slightly gravelly slightly sandy silty CLAY. Gravel is fine to medium flint.
WS16	1.10	18		40	17	23	CLM	0.96*	100	Stiff brown, orange brown and light brown slightly sandy silty CLAY.
WS17	1.50	20		41	18	23	CLM	0.91*	100	Stiff brown, light brown and orange brown slightly sandy silty CLAY.
WS18	0.90	18		41	18	23	CLM	1.00*	100	Very stiff brown, orange brown and light brown slightly sandy silty CLAY.
WS19	1.20	21		37	15	22	CLM	0.73*	95	Firm brown slightly gravelly slightly sandy silty CLAY. Gravel is fine flint.
WS20	1.70	18		40	15	25	CLM	0.88*	85	Stiff brown, light brown and light grey slightly gravelly slightly sandy silty CLAY. Gravel is fine to medium flint.

Test Method: Classification Tests BS1377: Part 2: 1990: Method 4.4, 5.3 and 5.4

Sheet No. 2

* Consistency index based on natural moisture content and not the equivalent moisture content.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

BH/TP No.	Depth (m)	Nat. Moist. Cont. (w %)	Equiv. Moist. Cont. (w _a %)	Atterberg Limits			Class'n	Cons. Index (I _c)	% passing 425 µm sieve	Visual Description of Sample
				W _L %	W _p %	I _p %				
WS21	1.20	18		41	15	26	CLM	0.88*	100	Stiff brown, light grey and orange brown slightly sandy CLAY.
WS22	0.90	21		39	18	21	CLM	0.86*	100	Stiff brown, light brown and orange brown slightly sandy silty CLAY.
WS23	0.60	25		50	20	30	CLM/CLH	0.83*	100	Stiff brown, light brown and orange brown slightly sandy CLAY.
WS24	1.20	21		50	20	30	CLM/CLH	0.97*	100	Stiff brown and light brown CLAY.
WS25	1.30	17		45	20	25	CLM	1.12*	100	Very stiff brown, light brown and orange brown silty CLAY.
WS26	1.80	18		38	17	21	CLM	0.95*	85	Stiff brown, light brown and orange brown slightly gravelly slightly sandy silty CLAY. Gravel is fine to coarse flint.
WS27	0.70	20		48	18	30	CLM	0.93*	100	Stiff brown, orange brown and light brown slightly sandy silty CLAY.
WS28	1.30	19		44	18	26	CLM	0.96*	100	Stiff brown, light brown and orange brown silty CLAY.
WS29	0.90	15		45	19	26	CLM	1.15*	100	Very stiff brown, light brown and orange brown silty CLAY with iron staining.
WS30	0.80	16		45	19	26	CLM	1.12*	100	Very stiff brown, light brown and orange brown silty CLAY.

Test Method: Classification Tests BS1377: Part 2: 1990: Method 4.4, 5.3 and 5.4

Sheet No. 3

* Consistency index based on natural moisture content and not the equivalent moisture content.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

BH/TP No.	Depth (m)	Nat. Moist. Cont. (w %)	Equiv. Moist. Cont. (w _a %)	Atterberg Limits			Class'n	Cons. Index (I _c)	% passing 425 µm sieve	Visual Description of Sample
				W _L %	W _p %	I _p %				
WS31	1.20	16		35	15	20	CIL/CIM	0.95*	85	Stiff brown mottled grey slightly gravelly slightly sandy CLAY. Gravel is fine to medium flint.
WS32	0.60	13		41	19	22	CIM	1.27*	90	Very stiff brown slightly gravelly silty CLAY. Gravel is fine flint.
WS33	1.40	21		48	20	28	CIM	0.96*	100	Stiff brown silty CLAY.
TP14	0.4-0.6	11		40	20	20	CIM		90	Brown slightly gravelly silty CLAY. Gravel is fine chalk and flint.
TP15	0.3-0.5	17		35	19	16	CIL/CIM		50	MADE GROUND: Brown gravelly silty clay. Gravel is fine to medium flint and charcoal-like material.
TP16	0.4-0.6	23		43	19	24	CIM		90	Brown slightly gravelly silty CLAY. Gravel is fine to medium flint.
TP17	0.5-0.6	23		46	19	27	CIM		90	Brown mottled grey slightly gravelly CLAY. Gravel is fine to coarse flint.
TP18	0.4-0.5	16		36	17	19	CIM		95	Brown slightly gravelly silty CLAY. Gravel is fine flint.
TP19	0.60	12		32	18	14	CIL		95	Brown slightly gravelly silty CLAY. Gravel is fine to coarse flint.
TP20	0.5-0.55	15		36	18	18	CIM		100	Brown silty CLAY.

Test Method: Classification Tests BS1377: Part 2: 1990: Method 4.4, 5.3 and 5.4

Sheet No. 4

* Consistency index based on natural moisture content and not the equivalent moisture content.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

BH/TP No.	Depth (m)	Nat. Moist. Cont. (w %)	Equiv. Moist. Cont. (w _a %)	Atterberg Limits			Class'n	Cons. Index (I _c)	% passing 425 µm sieve	Visual Description of Sample
				W _L %	W _p %	I _p %				
TP21	0.55-0.60	21		40	18	22	CIM		95	Brown slightly gravelly silty CLAY. Gravel is fine flint.
TP22	0.40-0.50	12		36	21	15	CIM		100	Brown silty CLAY.
TP41	0.40	12		34	19	15	CIL		95	Brown slightly gravelly silty CLAY. Gravel is fine to medium mudstone and flint.
TP42	0.55	16		41	19	22	CIM		95	Brown slightly gravelly silty CLAY. Gravel is fine to coarse flint.
TP43	0.50-0.60	14		39	20	19	CIM		90	Brown slightly gravelly silty CLAY with occasional fine rootlets. Gravel is fine flint.
TP44	0.40-0.60	16		40	21	19	CIM		95	Brown slightly gravelly silty CLAY. Gravel is fine flint.
TP45	0.40-0.60	15		42	21	21	CIM		85	Brown slightly gravelly silty CLAY. Gravel is fine flint and chalk.
TP46	0.40-0.60	18		42	22	20	CIM		90	Brown slightly gravelly silty CLAY. Gravel is fine flint.

Test Method: Classification Tests BS1377: Part 2: 1990: Method 4.4, 5.3 and 5.4

Sheet No. 5

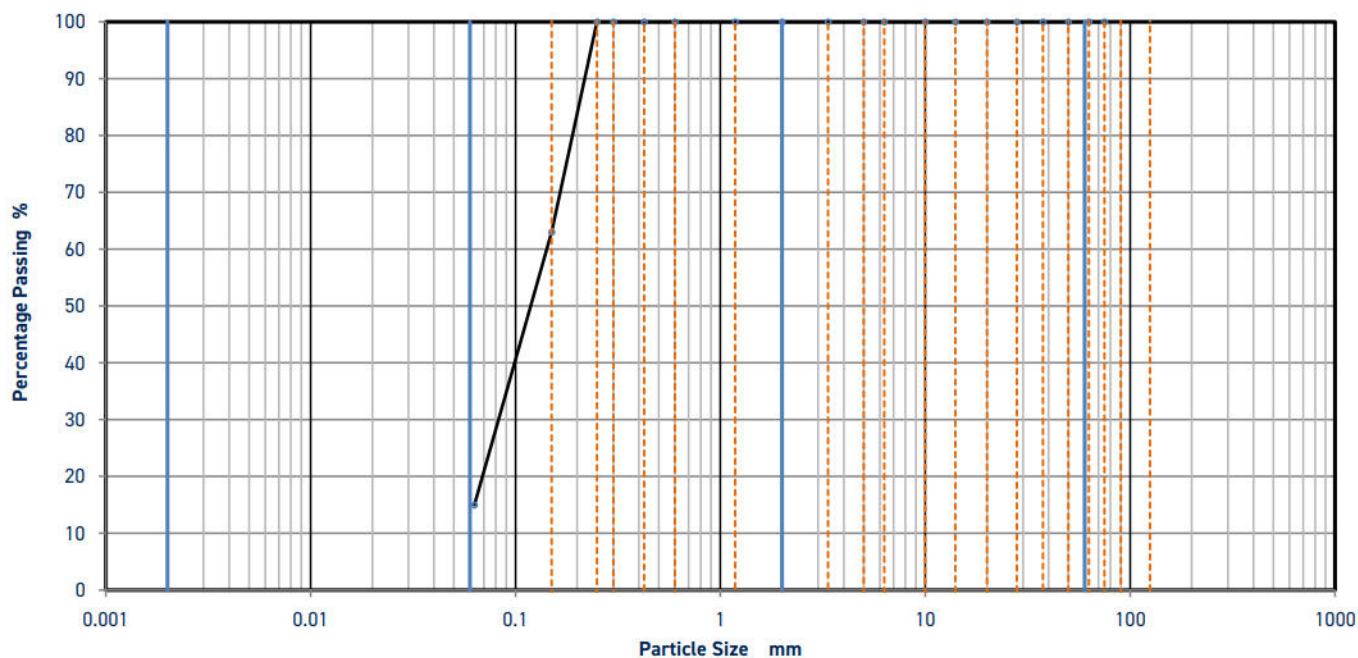
* Consistency index based on natural moisture content and not the equivalent moisture content.

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Soil Description:	Clayey SAND.	Borehole/Pit No.	WS01
Test Method	BS1377:Part2:1990, Clause 9.2	Depth (m)	1.80

CLAY	SILT			SAND			GRAVEL			COBBLES	BOULDERS
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0200	
63	100	0.0060	
50	100	0.0020	
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100		
0.425	100		
0.3	100		
0.25	100		
0.15	63		
0.063	15		

Dry Mass of sample (g)	381
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Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	85
Fines <0.063mm	15

Grading Analysis		
D ₁₀₀	mm	0.250
D ₆₀	mm	0.142
D ₃₀	mm	0.083
D ₁₀	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

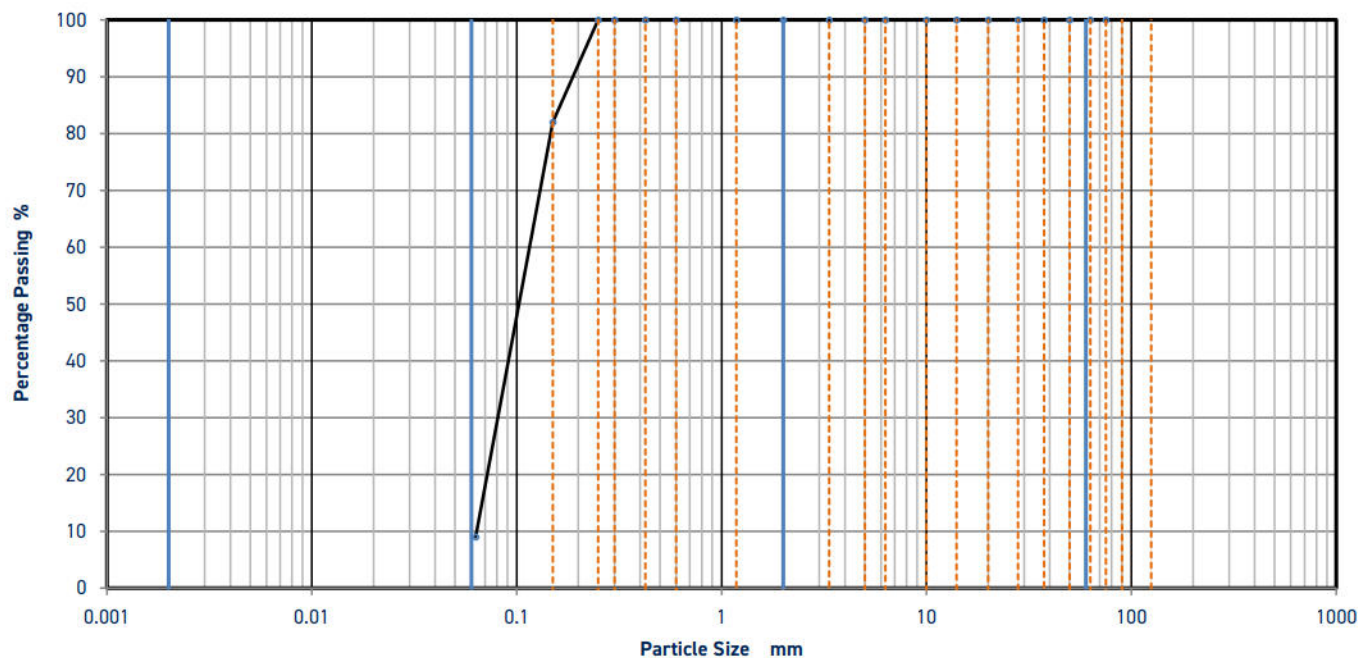
Preparation and testing in accordance with BS1377 unless noted below

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Soil Description:	Clayey SAND.	Borehole/Pit No.	WS04
Test Method	BS1377:Part2:1990, Clause 9.2	Depth (m)	3.00

CLAY	SILT			SAND			GRAVEL			COBBLES	BOULDERS
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0200	
63	100	0.0060	
50	100	0.0020	
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100		
0.425	100		
0.3	100		
0.25	100		
0.15	82		
0.063	9		

Dry Mass of sample (g)	308
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Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	91
Fines <0.063mm	9

Grading Analysis		
D ₁₀₀	mm	0.250
D ₆₀	mm	0.115
D ₃₀	mm	0.081
D ₁₀	mm	0.064
Uniformity Coefficient		1.8
Curvature Coefficient		0.9

Remarks

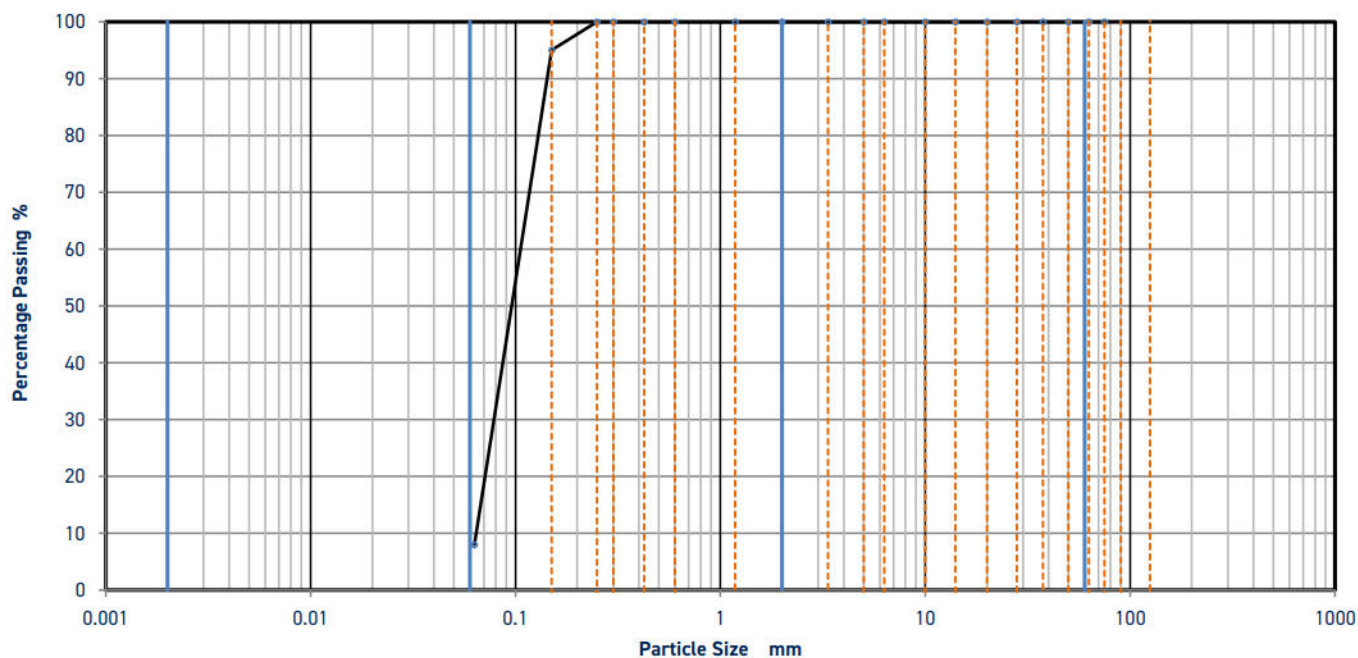
Preparation and testing in accordance with BS1377 unless noted below

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Soil Description:	Silty SAND.	Borehole/Pit No.	WS08
Test Method	BS1377:Part2:1990, Clause 9.2	Depth (m)	2.80

CLAY	SILT			SAND			GRAVEL			COBBLES	BOULDERS
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0200	
63	100	0.0060	
50	100	0.0020	
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100		
0.425	100		
0.3	100		
0.25	100		
0.15	95		
0.063	8		

Dry Mass of sample (g)	470
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Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	92
Fines <0.063mm	8

Grading Analysis		
D ₁₀₀	mm	0.250
D ₆₀	mm	0.106
D ₃₀	mm	0.078
D ₁₀	mm	0.064
Uniformity Coefficient		1.6
Curvature Coefficient		0.9

Remarks

Preparation and testing in accordance with BS1377 unless noted below

Sheet No.:

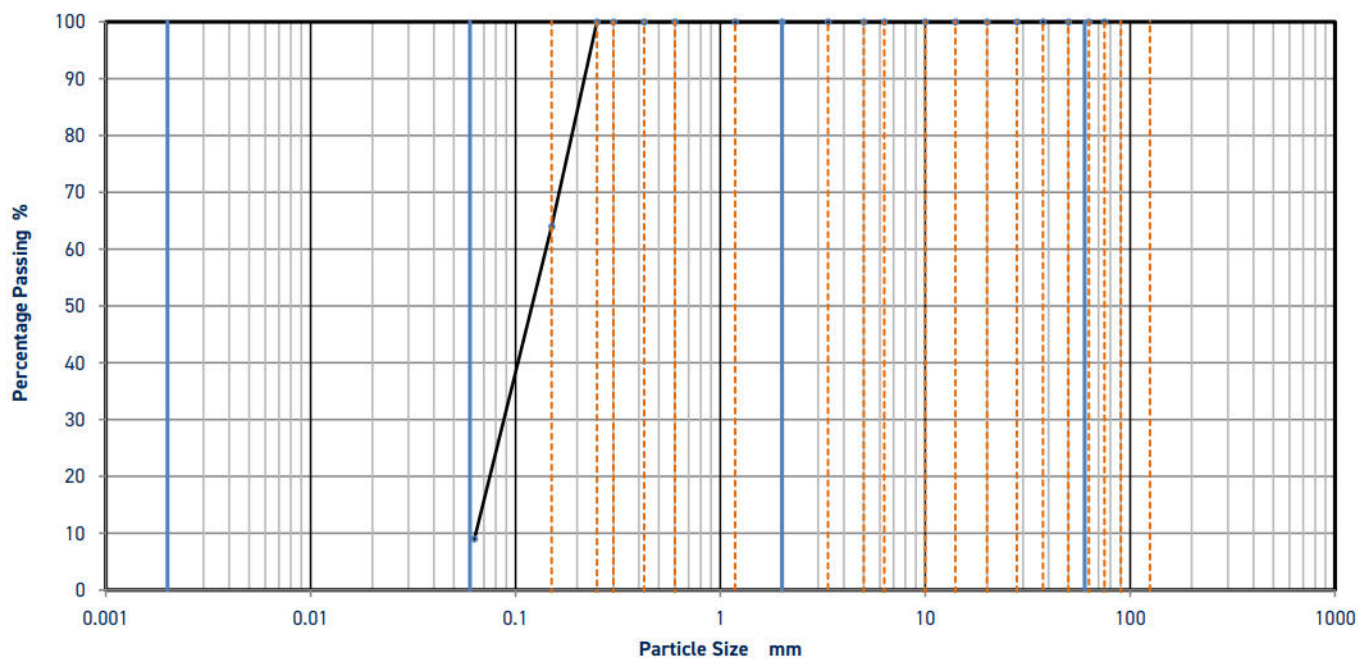
3

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Soil Description:	Silty SAND.	Borehole/Pit No.	WS11
Test Method	BS1377:Part2:1990, Clause 9.2	Depth (m)	2.60

CLAY	SILT			SAND			GRAVEL			COBBLES	BOULDERS
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0200	
63	100	0.0060	
50	100	0.0020	
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100		
0.425	100		
0.3	100		
0.25	100		
0.15	64		
0.063	9		

Dry Mass of sample (g)	591
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Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	91
Fines <0.063mm	9

Grading Analysis		
D ₁₀₀	mm	0.250
D ₆₀	mm	0.141
D ₃₀	mm	0.088
D ₁₀	mm	0.064
Uniformity Coefficient		2.2
Curvature Coefficient		0.9

Remarks

Preparation and testing in accordance with BS1377 unless noted below

Sheet No.:

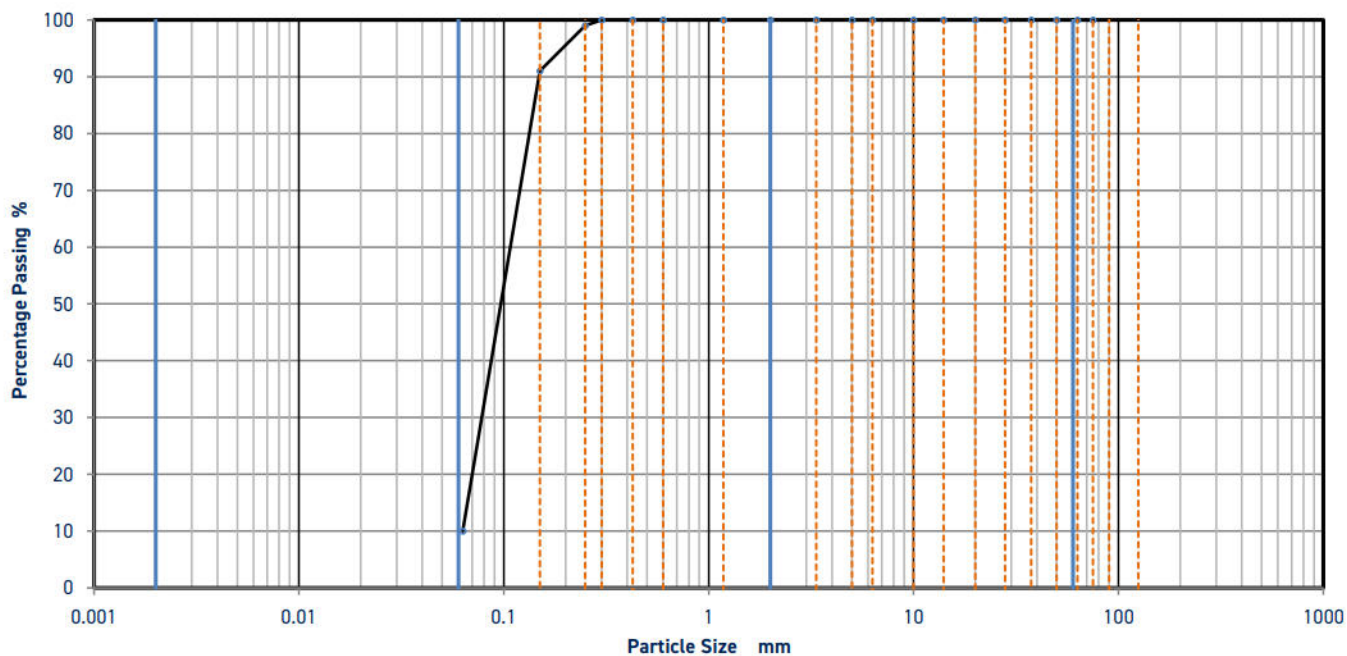
4

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Soil Description:	Silty SAND.	Borehole/Pit No.	WS14
Test Method	BS1377:Part2:1990, Clause 9.2	Depth (m)	2.40

CLAY	SILT			SAND			GRAVEL			COBBLES	BOULDERS
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0200	
63	100	0.0060	
50	100	0.0020	
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100		
0.425	100		
0.3	100		
0.25	99		
0.15	91		
0.063	10		

Dry Mass of sample (g)	523
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Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	90
Fines <0.063mm	10

Grading Analysis		
D ₁₀₀	mm	0.300
D ₆₀	mm	0.108
D ₃₀	mm	0.078
D ₁₀	mm	0.063
Uniformity Coefficient		1.7
Curvature Coefficient		0.9

Remarks

Preparation and testing in accordance with BS1377 unless noted below

Sheet No.:

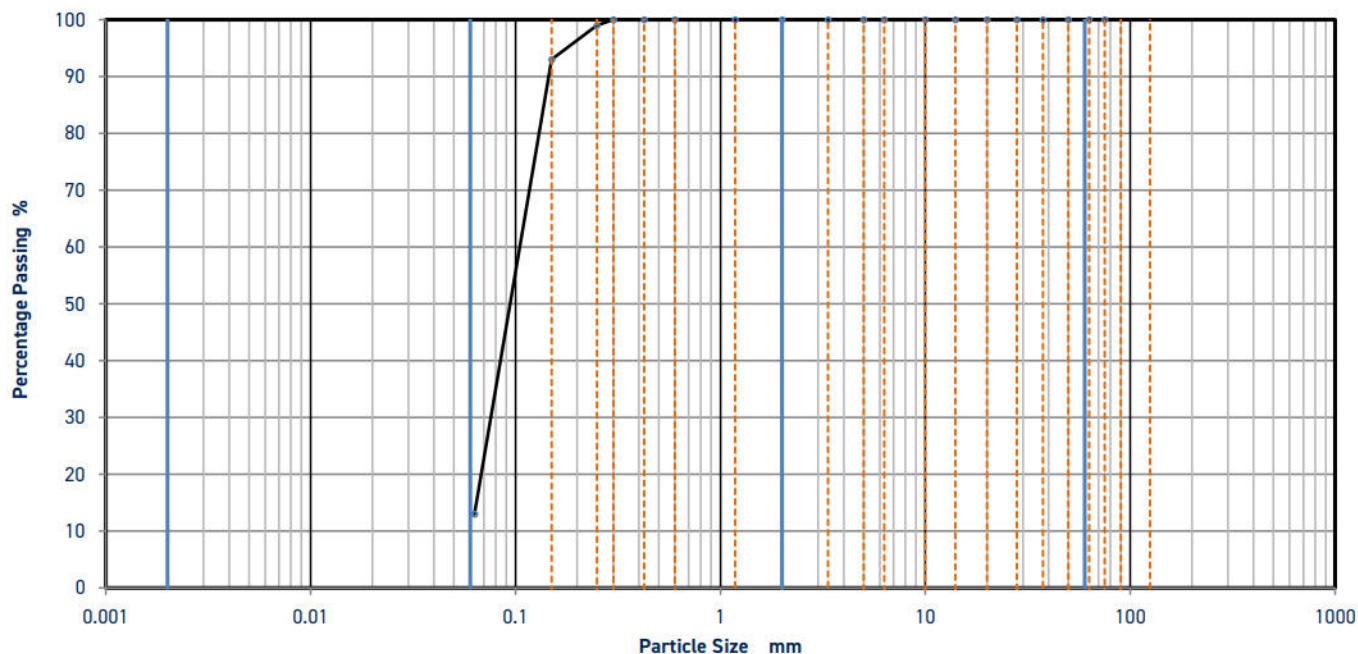
5

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Soil Description:	Silty SAND.	Borehole/Pit No.	WS16
Test Method	BS1377:Part2:1990, Clause 9.2	Depth (m)	2.80

CLAY	SILT			SAND			GRAVEL			COBBLES	BOULDERS
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0200	
63	100	0.0060	
50	100	0.0020	
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100		
0.425	100		
0.3	100		
0.25	99		
0.15	93		
0.063	13		

Dry Mass of sample (g)	448
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Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	87
Fines <0.063mm	13

Grading Analysis		
D ₁₀₀	mm	0.300
D ₆₀	mm	0.105
D ₃₀	mm	0.076
D ₁₀	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

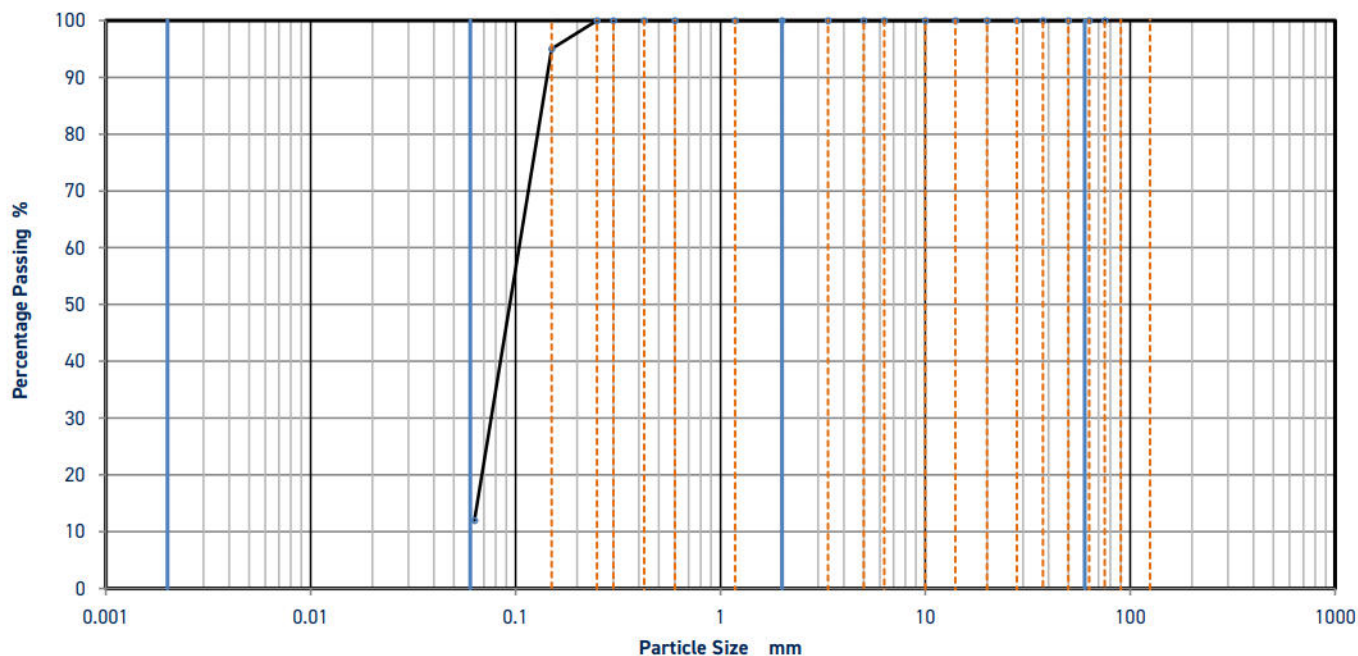
Preparation and testing in accordance with BS1377 unless noted below

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Soil Description:	Silty SAND.	Borehole/Pit No.	WS19
Test Method	BS1377:Part2:1990, Clause 9.2	Depth (m)	1.80

CLAY	SILT			SAND			GRAVEL			COBBLES	BOULDERS
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0200	
63	100	0.0060	
50	100	0.0020	
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100		
0.425	100		
0.3	100		
0.25	100		
0.15	95		
0.063	12		

Dry Mass of sample (g)	557
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Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	88
Fines <0.063mm	12

Grading Analysis		
D ₁₀₀	mm	0.250
D ₆₀	mm	0.104
D ₃₀	mm	0.076
D ₁₀	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

Preparation and testing in accordance with BS1377 unless noted below

Sheet No.:

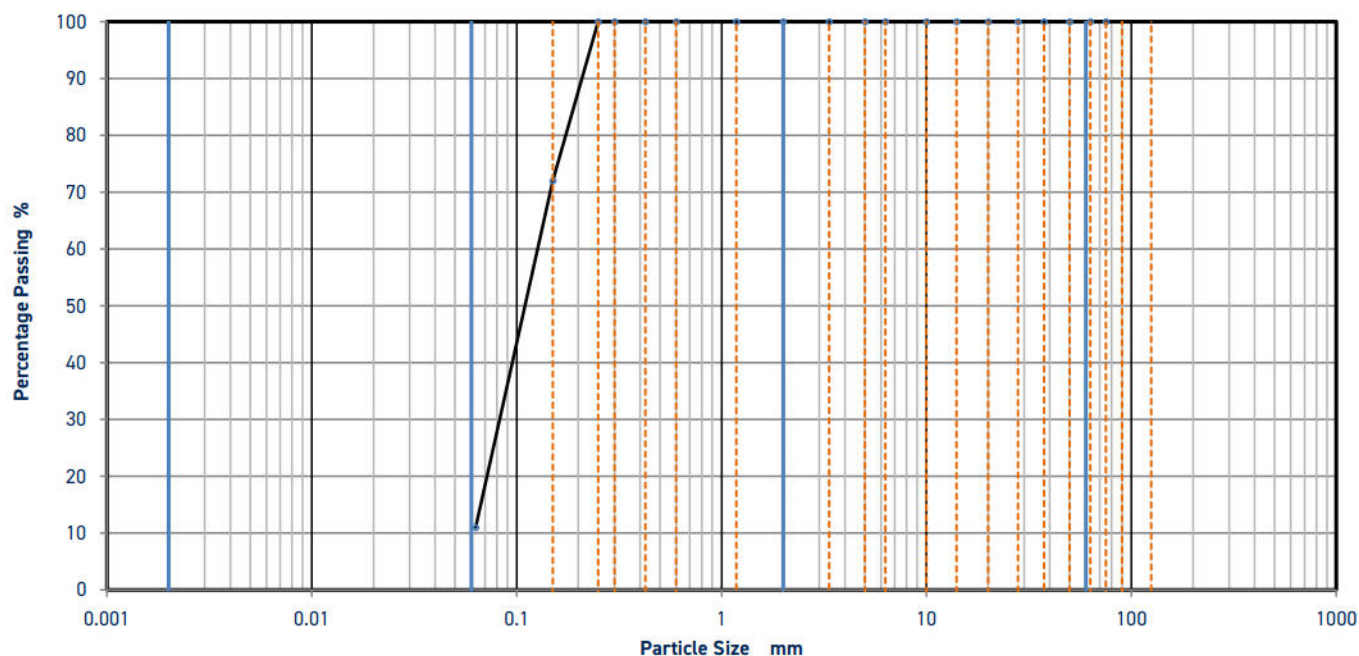
7

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Soil Description:	Silty SAND.	Borehole/Pit No.	WS22
Test Method	BS1377:Part2:1990, Clause 9.2	Depth (m)	2.90

CLAY	SILT			SAND			GRAVEL			COBBLES	BOULDERS
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0200	
63	100	0.0060	
50	100	0.0020	
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100		
0.425	100		
0.3	100		
0.25	100		
0.15	72		
0.063	11		

Dry Mass of sample (g)	491
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Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	89
Fines <0.063mm	11

Grading Analysis		
D ₁₀₀	mm	0.250
D ₆₀	mm	0.126
D ₃₀	mm	0.083
D ₁₀	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

Preparation and testing in accordance with BS1377 unless noted below

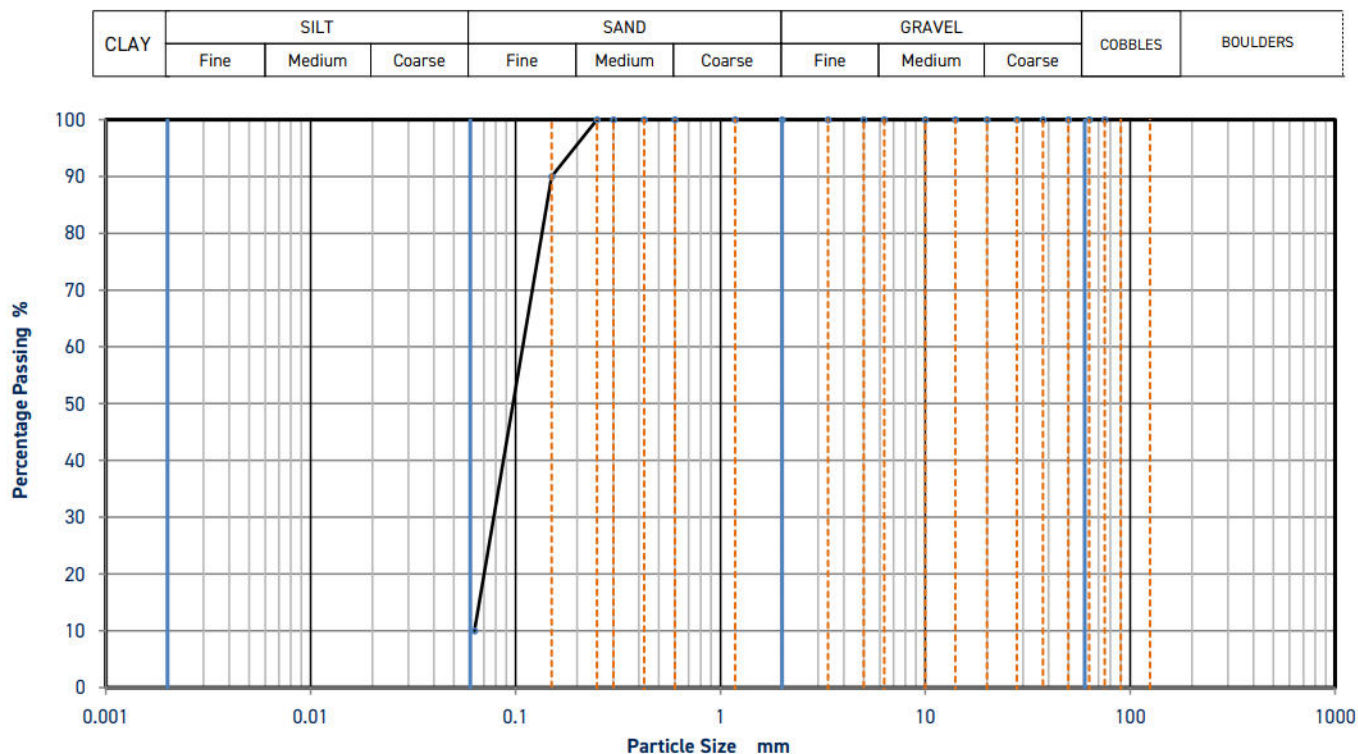
Sheet No.:

8

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Soil Description:	Silty SAND.	Borehole/Pit No.	WS25
Test Method	BS1377:Part2:1990, Clause 9.2	Depth (m)	1.80



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0200	
63	100	0.0060	
50	100	0.0020	
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100		
0.425	100		
0.3	100		
0.25	100		
0.15	90		
0.063	10		

Dry Mass of sample (g)	644
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Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	90
Fines <0.063mm	10

Grading Analysis		
D ₁₀₀	mm	0.250
D ₆₀	mm	0.108
D ₃₀	mm	0.078
D ₁₀	mm	0.063
Uniformity Coefficient		1.7
Curvature Coefficient		0.9

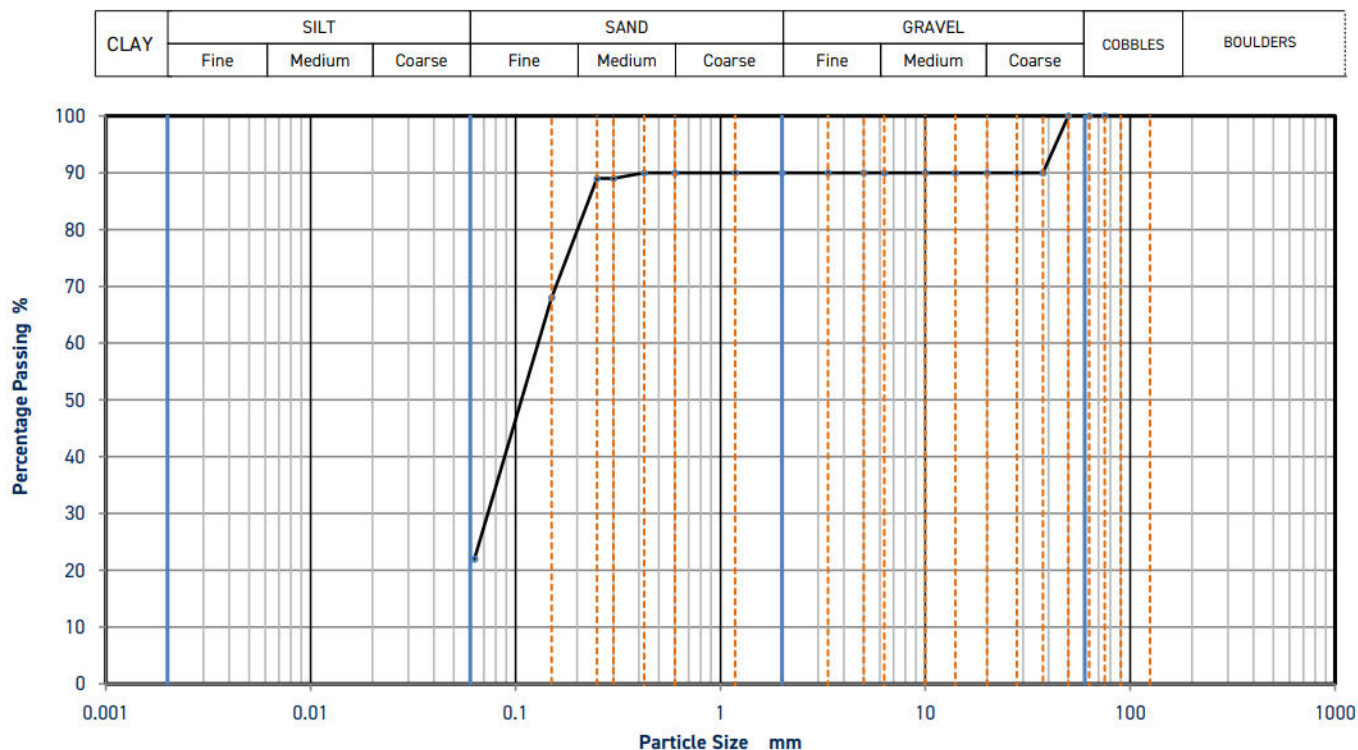
Remarks

Preparation and testing in accordance with BS1377 unless noted below

Site: Land at Woodgate Nurseries, Lidsey Rd, Woodgate, West Sussex

Project Ref: P17318

Soil Description:	Gravelly very clayey SAND.	Borehole/Pit No.	WS29
Test Method	BS1377:Part2:1990, Clause 9.2	Depth (m)	2.30



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100	0.0200	
63	100	0.0060	
50	100	0.0020	
37.5	90		
28	90		
20	90		
14	90		
10	90		
6.3	90		
5	90		
3.35	90		
2	90		
1.18	90		
0.6	90		
0.425	90		
0.3	89		
0.25	89		
0.15	68		
0.063	22		

Dry Mass of sample (g)	566
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Sample Proportions	% dry mass
Very coarse	0
Gravel	10
Sand	68
Fines <0.063mm	22

Grading Analysis		
D ₁₀₀	mm	50.000
D ₆₀	mm	0.129
D ₃₀	mm	0.073
D ₁₀	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

Preparation and testing in accordance with BS1377 unless noted below