CONTAMINATED LAND ASSESSMENT
PRINCES PARADE
FOLKESTONE
FOLKESTONE AND HYTHE DISTRICT COUNCIL
CLA-17436-23-282
SEPTEMBER 2023

CONTAMINATED LAND ASSESSMENT
PRINCES PARADE
FOLKESTONE
FOLKESTONE AND HYTHE DISTRICT COUNCIL
CLA-17436-23-282
SEPTEMBER 2023

Document Issue Record

Status	Final	Date of Issue	11/09/2023

Prepared by		Approved by
Lisa Horsley	CSci, FGS	Rob Glavin

Rev	Prepared	Approved	Date of Issue	Reason(s) for Revision
A	LMH	RJG	11/09/23	Exec summary update

TABLE OF CONTENTS

EXECUTIVE SUMMARY

A Contaminated Land Assessment was requested by Folkestone and Hythe District Council. The purpose of the assessment was to use existing data to assess land contamination-related health risks associated with a range of potential future public recreational uses of the site. Outline remedial actions and management controls have been identified for the range of uses.

SITE DETAILS	
Approximate site area	7.5 ha
Current use / historic use	Former Local Authority Landfill. Majority of site currently fenced off. Canoe Centre, play area and picnic ground on east of site.
Proposed use	A range of public recreation uses are being considered.

SUMMARY OF DESK STUDY PHASE 1 NON-INTRUSIVE INVESTIGATION	
Expected geology	Storm Beach and Tidal Flat Deposits over Weald Clay
Groundwater	Storm Beach deposits are Secondary A aquifer, but other units are classed as unproductive strata (non-aquifers).
Surface water	The closest surface water feature is the Royal Military Canal adjacent to the north while Hythe Bay is present to the south.
Other	Historic Council landfill receiving both inert and commercial waste between December 1946 – December 1974. Moderate UXO potential.

SUMMARY OF PHASE 2 EXPLORATORY INVESTIGATIONS AND RISK ASSESSMENT	
Ground Conditions	There are two areas of landfill present on site either side of the public footpath leading from a bridge over the Military Canal. The landfill attains a maximum thickness of 6 m but is more generally 4 – 5 m thick. The landfill is at least partially capped, however the cap is absent locally with waste materials visible at the surface. The natural geology comprised mainly beach deposits but with some clay in the east of the site. Beneath the drift, dense gravelly sands of the Atherfield Clay have been recorded sat upon the Weald Clay bedrock.
Contamination	Contamination has been identified within near-surface soils with polyaromatic hydrocarbon compounds and asbestos, both as fibres in soil and as fragments of asbestos-containing material.
Risks associated with PAH	Ingestion of soils and dermal contact with soil are the relevant pathways for PAH exposure. The risks from PAH contamination in the current site usage are considered to be low. With regard to future uses, for mobile recreational activities, such as walking through the site, exposure to average PAH concentrations would be insufficient to trigger a risk to health. For more static recreational activities (such as playing, picnicking) which may take place in locations where PAH concentrations may be higher than the average, then a risk to health may be present if soils are bare due to sparse vegetation cover.

Risks associated with asbestos	Inhalation of dust (including asbestos fibres) outdoors is the relevant pathway for asbestos exposure. The potential for asbestos fibre generation is controlled by the nature and condition of the asbestos material, soil moisture content, vegetation cover and the degree of activities that may disturb surface soils. Where soils are moist and there is good vegetation cover, then asbestos fibre generation would not be expected to be significant. Asbestos fibre generation is possible where dry, bare soils are present, particularly if activities on site degrade the vegetation cover and disturb surface soils. A range of asbestos types has been identified in shallow soils, each with differing fibre release potential and risk profiles. In the current site usage, where the site is heavily vegetated and access / disturbance is largely precluded, risks from asbestos are expected to be low. In the context of future site uses, there is considered to be a potential risk of asbestos fibre release during periods of dry dusty conditions, particularly where active disturbance of bare asbestos-impacted soils occurs. It is considered that the risk would be increased if open access were available to the site as the potential for uncontrolled ground disturbance would be greater.

RECOMMENDATIONS	
The current site usage	In the current site usage, where the site is heavily vegetated and access / disturbance is largely precluded, risks to health from PAH and asbestos are expected to be low. In its current usage, the site would not be expected to qualify as Contaminated Land under Part 2A of the EPA.
Future uses	Any proposed changes to the site hoarding / fencing which will allow increased access to the site or any substantial changes to the degree of vegetation cover will require justification via additional data collection and updated contamination risk assessment. Recommendations for additional data, risk assessment and management controls are outlined in this report for a range of potential future uses. It is recommended that the existing hoarding / fencing remains in place until it can be demonstrated that the risks associated with the proposed future uses are acceptable and can be managed appropriately.
Other	This report does not address any potential risks to controlled waters. Engagement with the Environment Agency is recommended.

SECTION 1 INTRODUCTION

1.1 Folkestone and Hythe District Council (F&HDC) owns an area of land located at Princes Parade, Folkestone. The site is a former landfill and is currently undeveloped open space which is largely fenced off, preventing public access. The Council wish to consider the land contamination impacts on future options for public use of the site for recreational purposes. This report focuses on the potential risks to human health for a range of recreational use options.

1.2 The proposed uses being considered include:

i. A rewilded site with fencing around the perimeter and limited public access along designated paths;

ii. Unrestricted access by the public to the whole site for dog walking *etc;*

iii. Potential future planned recreational uses such as a remodelled play area or sports pitch.

1.3 IDOM Merebrook Limited (IDOM) has been commissioned by Folkestone and Hythe District Council to review existing recent site investigation data in the context of the broad range of proposals and to present a risk assessment and conceptual site model for the proposed use options.

1.4 The objectives of the investigation are to:

i. Assess surface and sub-surface ground conditions present at the site based on an up-to-date site walkover inspection and review of existing recent site investigation data;

ii. Identify hazards to human health associated with ground contamination which may place constraints on the site and the proposed uses;

iii. Evaluate the risks to human health associated with any identified hazards;

iv. Provide preliminary recommendations for the mitigation of any significant risks to health identified.

1.5 This report presents the findings of the geo-environmental investigation and provides an interpretation of the geo-environmental conditions that exist at the site. The contaminative status of the site and the implications with respect to development have been interpreted in accordance with the current government guidance on source-pathway-receptor risk assessment. This report uses a Tier 1 risk assessment to ascribe a conservative qualitative appraisal of the hazards associated with the site.

1.6 This report has been prepared for F&HDC for the sole purpose described above and no extended duty of care to any third party is implied or offered. Third parties making

reference to the report should consult F&HDC and IDOM as to the extent to which the findings may be appropriate for their use.

SECTION 2 PHASE 1 (NON-INTRUSIVE INVESTIGATION) SUMMARY

2.1 INTRODUCTION

2.1.1 A summary of previous desk study information is presented in this section based largely on the following report:

i. Geo-environmental Assessment: Princes Parade (ref: GEA-17436ai-15-193 Rev E) by IDOM Merebrook dated 25 May 2017.

2.2 SITE LOCATION AND SETTING

2.2.1 The site is located to the north of Princes Parade, Hythe, CT21 5QT.

Figure 1: Site Location based on 2012 aerial photography (Gepmapping plc)

2.2.2 The site occupies an area of approximately 7.5 hectares located at National Grid Reference 618523, 134832 and indicated on drawing 17436ai-304-001, presented in Appendix 1 of this report.

2.2.3 The site is bounded by the Royal Military Canal to the north, residential flats to the east, Princes Parade Road and the beach to the south and a golf course to the west.

2.2.4 A site walkover was undertaken by an IDOM Merebrook representative on 11 July 2023 with the following findings:

i. The majority of the site was noted to be disused with mostly solid boundary hoarding present around the perimeter.

ii. Additional Herras fencing was present in certain locations to further restrict access as shown on Figure 2 below.

iii. A gated entrance onto the site was located in the southwestern corner with an associated small area of historical hardstanding and imported stone surfacing.

iv. The eastern portion of the site was developed with Seapoint Canoe Centre, playground and picnic area. These are separated from the main site by Herras fencing. Around the canoe centre, the boundary fencing is mesh so as not to impede visibility at the road junction to the canoe centre.

v. A pathway was present connecting Princes Parade to the canal via the central portion of the site. This pathway was separated from the main site by Herras fencing, although a gap in the fence was observed during the walkover suggesting that informal public access occurs.

vi. A pedestrian gate was noted to be open at the canoe centre leading into the site, again suggesting informal public access occurs.

vii. A pathway encircles the western, northern and eastern perimeter of the site just outside the boundary hoarding.

viii. The site was noted to be heavily vegetated with much of the site comprising rough grass, weeds, scrubland and trees. Some bare patches of soil were observed and in places, bare soil was visible at the base of taller stemmed plants. Landfill material was noted to be visible along a section of the north of the site adjacent to the path.

ix. No invasive species were noted during the site walkover, however, sporadic littering was noted on the site.

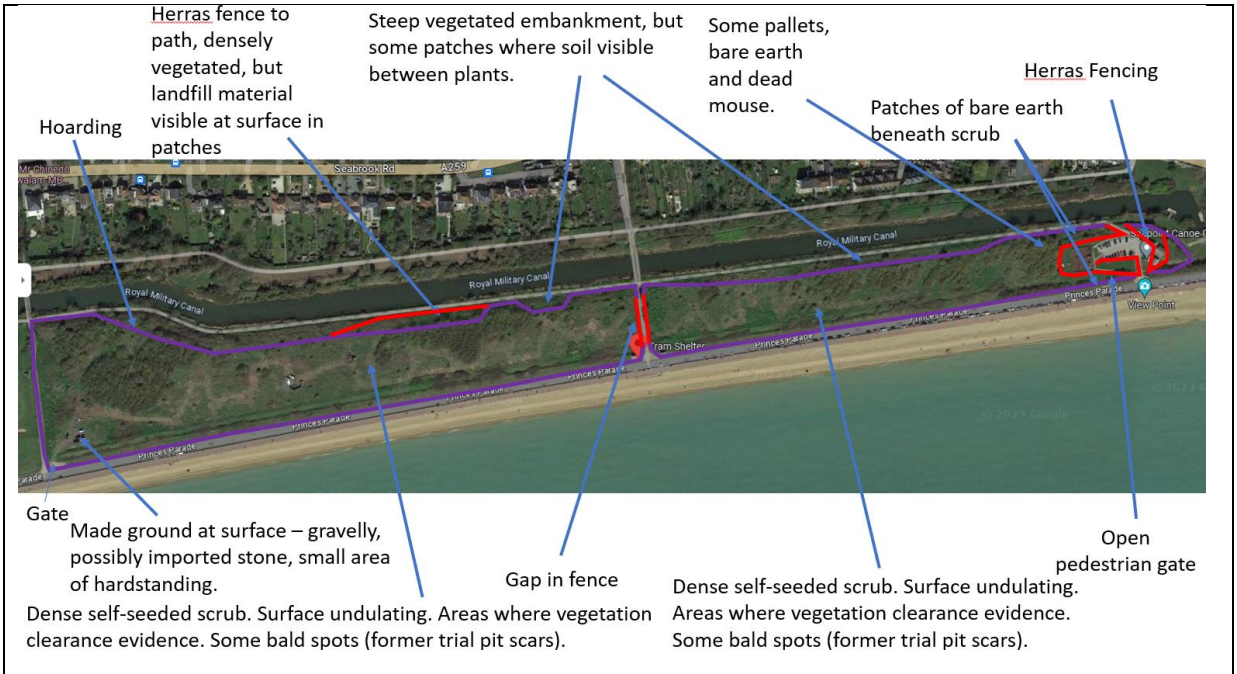


Figure 2: Site walkover notes from 11 July 2023

2.2.5 The elevation of the site is generally low-lying, ranging from 2.5 metres above Ordnance Datum (m AOD) to 5.0 m AOD.

2.3 SITE HISTORY

2.3.1 Historic mapping shows that the majority of the site is undeveloped. A track and entrance onto the site were identified in 1963 which would indicate the presence of some site activity. A carpark was developed in the eastern portion of the site prior to 2010.

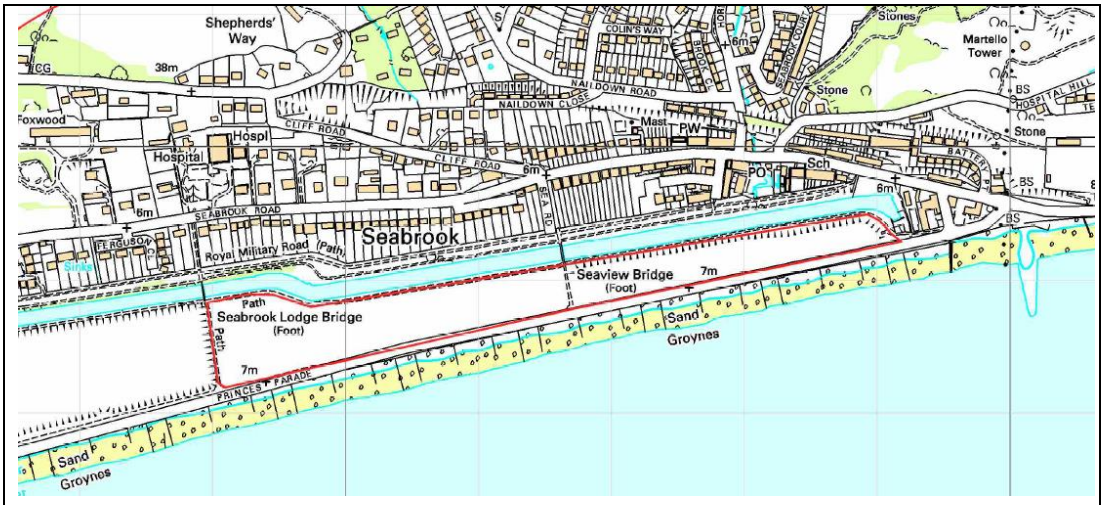


Figure 3: Extract from 2002 mapping

2.3.2 The historic maps indicate the presence of potentially significant contaminative land uses within 250 m of the site. These include:

i. A small, late 19th century gasworks 50 m north of the site the other side of the military canal (only labelled on 1872 mapping); and

ii. The Royal Military Canal (possible presence of UXOs).

2.4 GEOLOGY

2.4.1 The published geological map indicates the presence of superficial drift deposits of Storm Beach Deposits comprising gravel underlying the majority of the site. Tidal Flat Deposits comprising clay and silt are likely to underlie the northern portion of the site.

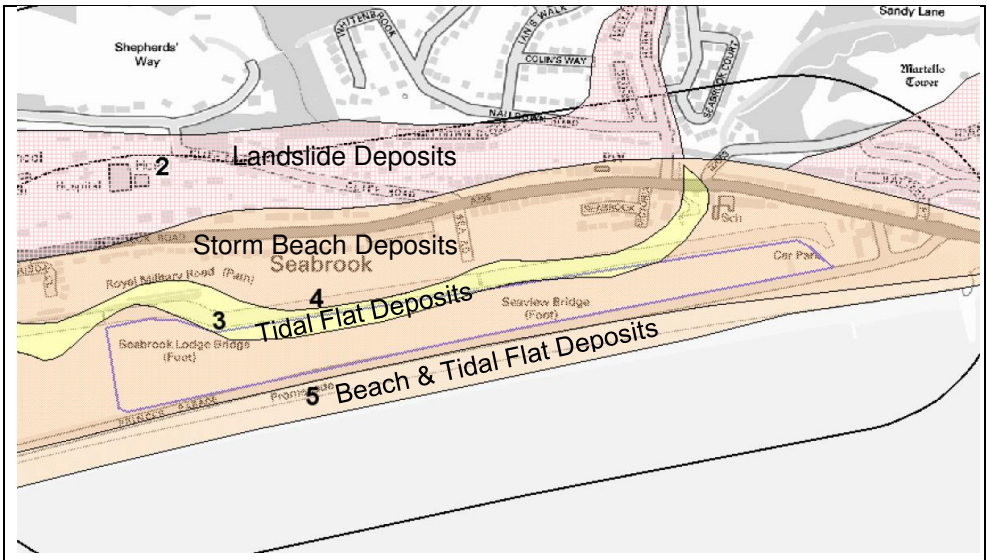


Figure 4: Extract from Groundsure report showing drift geology

2.4.2 The underlying bedrock geology under the entire site comprises clay and mudstone of the Weald Clay Formation.

2.5 HYDROGEOLOGY

2.5.1 The superficial geology underlying the majority of the site is classified by the Environment Agency (EA) as a Secondary 'A' Aquifer although the thin band of Tidal Flat Deposits along the north of the site are classed as an Unproductive Stratum.

2.5.2 The underlying Weald Clay Formation is classified by the EA as an Unproductive Stratum.

2.5.3 The site is not located within a Groundwater Protection Zone.

2.5.4 According the 2015 Groundsure Report, there are four groundwater abstraction licences within one kilometre of the site. All four licences are related to potable water abstraction with the closest licence associated with Veolia and located 199 m to the north of the site. Additional Veolia licences are located 276 and 761 m to the north, while another licence is relating to Hotel Imperial and is located 847 m to the west.

2.6 HYDROLOGY

2.6.1 The closest surface water feature is the Royal Military Canal located three metres to the north of the site. A culverted watercourse flows into the central portion of the canal, while a tertiary river flows into the western portion of the canal. This canal flows in an easterly direction along the boundary of the site, before flowing into the Hythe Bay 50 m to the south.

2.6.2 The central strip of the site is in Flood Zone 1 whereas the northern and southern extents are within Flood Zones 2 and 3.

2.7 OTHER SITE ISSUES

2.7.1 The site was identified as an historic Council landfill (reference SH6) receiving both inert and commercial waste between December 1946 – December 1974.

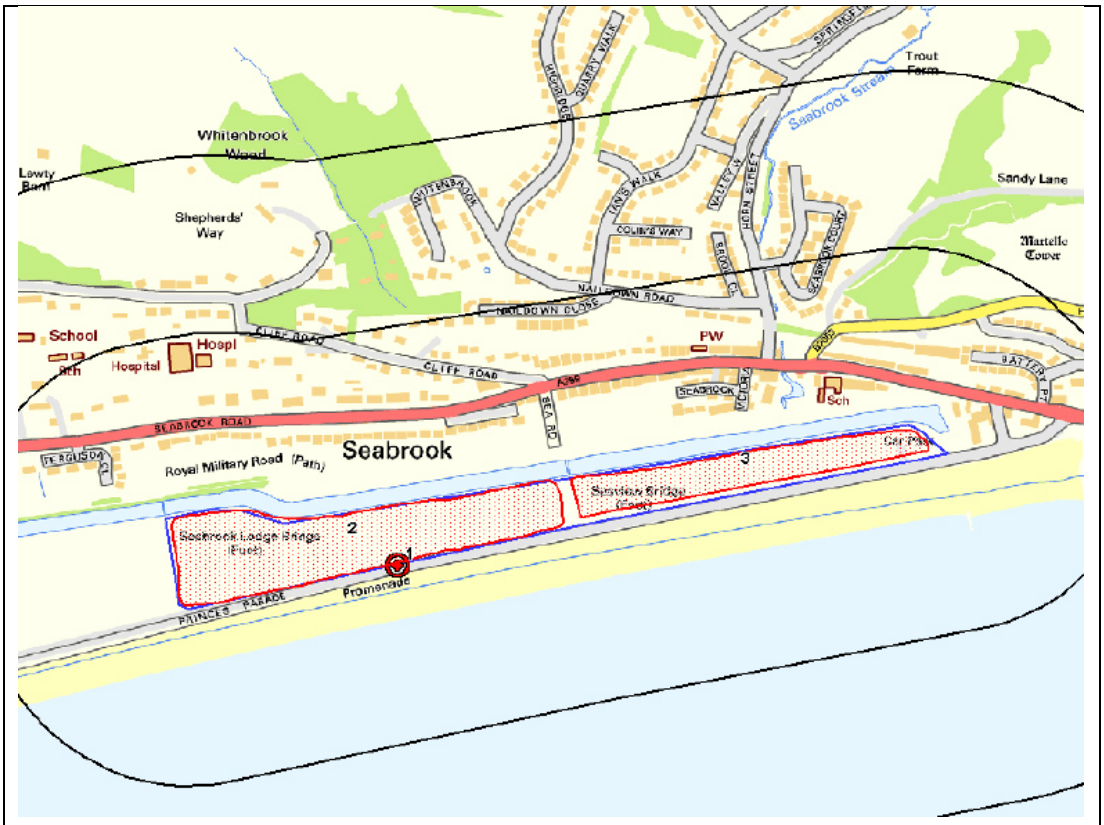


Figure 5: Extract from Groundsure report showing extent of historic landfill licence

2.8 RADON GAS

2.8.1 The site is in a 1 km grid square where the maximum radon potential is 1-3% above the action level.

2.9 UXO

2.9.1 Regional Unexploded Bomb Risk Maps published by Zetica have been consulted which show that the site is in an area of moderate bomb risk potential and further UXO risk assessment would be required to support any intrusive works that involve ground disturbance.

2.10 PREVIOUS INTRUSIVE SITE INVESTIGATIONS

2.10.1 IDOM prepared a Geo-environmental Assessment (ref: GEA-17436AI-15-193 Rev E) dated 25 May 2017 based on site investigations undertaken in June 2015. This data was used to support a planning application for mixed use development including residential receptors. Data from the report is assessed in the context of the current proposals in the later sections of this report.

2.10.2 IDOM Merebrook prepared a letter report (ref: L-17436ai-2.4.2-17-S235-NTD) dated 10 March, 2017 detailing the findings of hand dug pits excavated along the northern boundary.

2.10.3 IDOM Merebrook prepared a factual report (ref: FR-22281-21-195 REV B dated 30 June 2021) on a ground investigation undertaken in 2021. Data from the report is assessed in the context of the current proposals in the later sections of this report.

2.10.4 Socotec prepared a draft factual report (ref: G2028-22 dated July 2022) based on a trial pit ground investigation undertaken in June 2022 by along a strip of land across the north of the site. Data from the report is assessed in the context of the current proposals in the later sections of this report.

2.10.5 These reports should be referred to for full details and for factual information (logs, laboratory certificates *etc*.).

2.11 PRELIMINARY CONCEPTUAL SITE MODEL AND RISK ASSESSMENT

2.11.1 From the Phase 1 assessment, a preliminary site conceptual model and risk assessment for human health receptors has been produced using the framework established in Part IIA of the *Environmental Protection Act 1990* and detailed in Environment Agency guidance *Land Contamination Risk Management* published on gov.uk.

2.11.2 Risk from contamination has been assessed using the source-pathway-receptor and pollutant linkage methodology, whereby a risk can only exist if all elements of: source, pathway and receptor, are present.

2.11.3 Potential Sources

i. Elevated concentrations of heavy metals, PAH and TPH from the historic infilling and landfilling across the site;

ii. Potential for associated soil gas / vapour generation;

iii. Asbestos containing material (ACM) within the fill material imported to the site;

2.11.4 Potential Pathways

i. Direct contact;

ii. Ingestion of soil;

iii. Inhalation of contaminated soil and dust;

iv. Pathways to / via controlled waters are not covered by this report; and

v. Given that no structures are proposed on site there is not considered to be potential for accumulation of ground gas or vapours with ingress into buildings and voids.

2.11.5 Potential Receptors

i. The general public and current site users;

ii. Users of the future public access site;

iii. Workers involved in site preparation and management;

iv. Controlled waters receptors are not covered in detail by this report as the focus of this report is risk to human health.

2.11.6 Pollutant Linkages and Risk Ratings

2.11.6.1 From the Phase 1 assessment a preliminary site conceptual model for human health has been produced as Table 1. which identifies the potential pollutant linkages. These have been used to inform the Phase 2 intrusive investigation presented in the subsequent sections.

Table 1: Preliminary Conceptual Model

POSSIBLE POLLUTANT LINKAGE			RISK CHARACTERISATION
POTENTIAL SOURCES	**PATHWAYS**	**RECEPTORS**	
Heavy metals and hydrocarbons (made ground and landfill material)	Contact with contaminated soil	Human health (current users)	**Low risk identified** Potential for made ground and landfill material which can contain elevated metals and hydrocarbons, however site is vegetated and access is currently restricted by boundary fencing limiting exposure.
	Ingestion and inhalation of contaminated soil and dust	Human health (current users)	
Heavy metals and hydrocarbons (made ground and landfill material)	Contact with contaminated soil	Human health (future site users)	**Low to moderate risk identified depending on extent of future access** Potential for made ground and landfill material which can contain elevated metals and hydrocarbons however site is vegetated. The extent of future access will determine the degree of risk.
	Ingestion and inhalation of contaminated soil and dust	Human health (future site users)	
Heavy metals and hydrocarbons (made ground and landfill material)	Contact with contaminated soil	Human health (workers during preparatory and maintenance activities)	**Low to moderate risk identified** Potential for made ground and landfill material which can contain elevated metals and hydrocarbons. Direct exposure to soils possible in limited areas during intrusive works. Will require management through health and safety protocols.
	Ingestion and inhalation of contaminated soil and dust	Human health (workers during preparatory and maintenance activities)	

POSSIBLE POLLUTANT LINKAGE			RISK CHARACTERISATION
POTENTIAL SOURCES	PATHWAYS	RECEPTORS	
Asbestos (made ground and landfill material)	Inhalation of contaminated soil and dust	Human health (current users)	**Low risk identified** Potential for made ground and landfill material to contain asbestos. Site is heavily vegetated and access is currently limited by boundary fencing limiting exposure.
Asbestos (made ground and landfill material)	Inhalation of contaminated soil and dust	Human health (future site users)	**Low to moderate risk identified depending on extent of future access and degree of vegetation cover** Potential for made ground and landfill material to contain asbestos. Site is heavily vegetated. The extent of future access and degree of vegetation will determine the degree of risk. Direct contact with affected soils would increase the risk rating. Removal of vegetation would also increase the risk.
Asbestos (made ground and landfill material)	Inhalation of contaminated soil and dust	Human health (workers during preparatory and maintenance activities)	**Moderate risk identified** Potential for made ground and landfill material to contain asbestos. Direct exposure to soils possible in limited areas during intrusive works. Will require management through health and safety protocols.
Hazardous Gas/Vapours In soil	Ingress into confined spaces	Human health (no receptor as no structures or confined spaces proposed)	**n/a**

SECTION 3 SITE INVESTIGATION SUMMARY

3.1 INTRODUCTION

3.1.1 This section of the report summarises the recent phases of intrusive investigation that have been undertaken at the site.

3.1.2 Exploratory hole locations from all recent phases of investigation are indicated on drawing 17436ai-304-004 in Appendix 1. Exploratory hole logs are contained in Appendix 2.

3.2 IDOM MEREBROOK 2015 SITE INVESTIGATION

3.2.1 During the 2015 investigation, intrusive locations were limited due access restrictions and ecological considerations. This included constraints posed by the steep slopes and bund surrounding the site, dense vegetation and the presence of nesting birds and possible badger setts identified in the northwestern and southeastern portion of the site.

3.2.2 The intrusive investigation was carried from 17 to 18 June 2015 and comprised the following scope of work:

i. Seven shallow windowless sample probe holes (MW1 to MWS7) to a maximum depth of 5.45 m bgl; and

ii. Five machine-dug trial holes (MTP1 to MTP5) to a maximum depth of 3.0 m bgl.

3.2.3 MWS1, MWS4, MWS6 and MWS7 were installed to 4.0 m bgl for groundwater and gas monitoring.

3.3 IDOM 2017 HAND PITS

3.3.1 A series of ten hand dug pits (HP1 to HP10) were advanced to a maximum depth of 0.4 m bgl in February 2017 along a strip of land adjacent to the Military Canal.

3.4 IDOM MEREBROOK 2021 SITE INVESTIGATION

3.4.1 An intrusive investigation was carried from 29 March to 29 April 2021 and comprised the following scope of work:

i. Excavation of 33 machine excavated trial pits (TP101 to TP132) to a maximum depth of 5.50 metres below ground level (m bgl).

ii. Drilling of 24 windowless sampling holes (WS101 to WS123) to a maximum depth of 6.00 m bgl.

iii. Drilling eight cable percussion rig boreholes (CP101 to CP106) to a maximum depth of 35 m bgl.

iv. Groundwater monitoring on one occasion, with ground gas monitoring on three occasions. Groundwater level monitoring to establish the tidal range was also undertaken.

3.4.2 The deeper boreholes were installed with groundwater monitoring wells responding below 6 m bgl.

3.4.3 All windowless sample holes, except WS117, were installed with environmental gas monitoring wells to the base of the landfill, to a maximum depth of 6 m bgl.

3.5 SOCOTEC 2022 INVESTIGATION

3.5.1 A series of 24 machine dug pits (TP205 to TP244 some numbers omitted) were advanced to a maximum depth of 5.0 m bgl in June 2022 by Socotec along a strip of land across the north of the site.

SECTION 4 GROUND CONDITIONS

4.1 SUMMARY OF GROUND CONDITIONS

4.1.1.1 A summary of ground conditions has been taken from the most recent interpretative report for Princes Parade[1]. There are two areas of landfill present on site either side of the public footpath leading from a bridge over the Military Canal. The landfill attains a maximum thickness of 6 m but is more generally 4 – 5 m thick.

4.1.1.2 The landfill appears to be at least partially capped. The capping material is reported to generally comprise soft brown sandy clay with gravel and occasional anthropogenic material such as brick, glass and plastic. The capping appears to be cleaner and has less anthropogenic material than the underlying landfill materials. Recent trial pits along the north of the site suggested the landfill cap might be 0.7 to 1.4 m thick. A recent walkover by IDOM Merebrook has established that the cap is absent locally with some areas where waste materials are visible at the surface.

4.1.1.3 From discussions with the Council, it is understood that the landfill may have had an informal cap placed upon closure of the facility and that this was added to by the later deposit of dredgings from the adjacent canal some 20 years ago. There is no separating layer between the cap and the underlying landfill materials.

4.1.1.4 Desk study data indicates deposit of landfill since the 1950s. Reports suggest that the eastern section was largely filled in the 1950s (typically with ashes and more inert type of materials) whereas the western section was filled in the 1960s and early 1970s with a more mixed waste type with higher putrescible content. More discolouration and odours were noted on the west of the site.

4.1.1.5 The natural geology comprised beach deposits comprising mostly gravel and cobbles but with some clay in the east of the site. Localised discolouration of natural soils was recorded from the overlying waste.

4.1.1.6 Below the beach deposits, dense gravelly sands of the Atherfield Clay have been recorded sat upon the Weald Clay bedrock.

4.1.1.7 A conceptual site cross section has been reproduced from the previous report[2].

[1] LBH Geo Land Contamination Assessment and Remediation Strategy LBH46351caF dated August 2022.
[2] LBH Geo Land Contamination Assessment and Remediation Strategy LBH46351caF dated August 2022

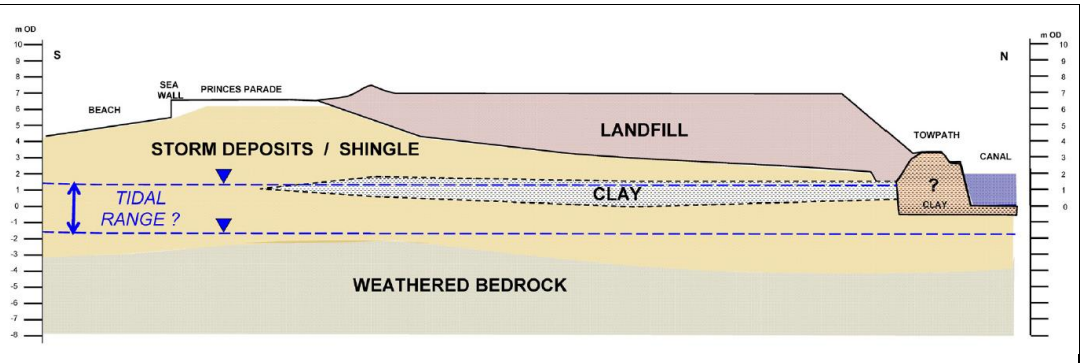


Figure 6: Conceptual cross section of the site reproduced from previous report.

SECTION 5 ENVIRONMENTAL ASSESSMENT

5.1 SOIL QUALITY

5.1.1 In order to assess the risks to health from soil contamination in a proposed public open space usage, all data from the upper 0.5 m has been selected for assessment. These soils from the upper half metre are considered to be relevant to ingestion, dust and dermal contact pathways. Indoor vapour inhalation pathways are not considered to be viable for the range of proposed future recreational land usages given the lack of built structures. Outdoor vapour inhalation is unlikely to be a risk driver.

5.1.2 A total of 37 samples from the IDOM Merebrook and Socotec investigations were tested from the made ground in the upper half metre.

5.1.3 The results of the analysis are summarised in Table 3 and in Appendix 3.

5.2 ASSESSMENT CRITERIA FOR HUMAN HEALTH

5.2.1 An initial screening exercise has been undertaken whereby contaminant concentrations recorded in soils from the upper half metre have been assessed against *Suitable for Use Levels* (S4ULs) published in 2015 by LQM/CIEH[3]. These precautionary screening levels are designed to be representative of minimal risk to human health in a number of land use scenarios. In this report S4ULs have been selected for a public open space / parkland style land use and assuming a precautionary soil organic matter of 2.5 %. The average soil organic matter recorded for the dataset was 3.5 %. For lead the DEFRA Category 4 Screening Level[4] has

[3] Nathanail, C. P., McCaffrey, C., Gillett, A. G., Ogden, R. C. and Nathanail, J. F. 2015. *The LQM/CIEH S4ULs for Human Health Risk Assessment*. Land Quality Press, Nottingham. Copyright Land Quality Management Limited reproduced with permission; Publication Number S4UL3100. All rights reserved. Including August 2015 nickel update.
[4] SP1010 *Development of Category 4 Screening Levels Main Report* (Dec 2013) and SP1010 *Policy Companion Document* (Mar 2014).

been used as this is based on updated toxicological data and a low risk to human health.

5.2.2 The parkland public open space screening levels are based on a model that assumes a public park is an area of open space provided for recreational use and usually owned and maintained by the Local Authority. It is anticipated that POSpark could be used for a wide range of activities including family visits and picnics; children's play area; sporting activities such as football on an informal basis; and dog walking. Some of the proposed recreational uses of Princes Parade considered by this assessment are likely to be more limited in scope and may in practice be restricted to recreational walking / dog walking.

5.2.3 In modelling for POSpark, a public park is considered to be a relatively large area (>0.5 ha) of predominantly grassed open space with no more than 25% of exposed soil. This appears to be reasonable for the Princes Parade scenario assuming the current vegetation coverage.

5.2.4 The critical receptor for the POSpark land use is a physically active young female child which is the most precautionary receptor assumption.

5.2.5 The exposure pathways for POSpark are:

i. Ingestion of soil outdoors;

ii. Dermal contact with soil outdoors;

iii. Inhalation of dust outdoors. This pathway is unlikely to be a risk driver for chemical contaminants but will be relevant for asbestos risk; and

iv. Inhalation of vapours outdoors (unlikely to be a risk driver).

v. It is noted that the dust ingestion pathway is not included in the standard parkland scenario as there is considered to be negligible track back of soil and ingestion of soil-derived dust indoors will be negligible.

5.3 DATA SCREENING FOR HUMAN HEALTH IN A PARKLAND SETTING

5.3.1 A summary of soil data from the upper half metre is presented below in the context of POSpark generic acceptance criteria.

Table 3: Summary of Soils Chemical Analysis Results from upper half metre

Contaminant	Units	Max	Mean	No of Tests	Screening Level (SL)	No > SL*
HUMAN HEALTH RISK ASSESSMENT						
Asbestos in soil	-	0.035 %	-	33	Detected	8 soils +2 bulks
pH	-	11.1	8.2	37	5 – 9	2
Arsenic	$mg.kg^{-1}$	30	13.8	37	170	0
Cadmium	$mg.kg^{-1}$	7.6	0.5	37	555	0
Chromium (total)	$mg.kg^{-1}$	67	23.4	37	33,000	0

Contaminant	Units	Max	Mean	No of Tests	Screening Level (SL)	No > SL*
HUMAN HEALTH RISK ASSESSMENT						
Hexavalent Chromium	$mg.kg^{-1}$	<4	-	37	220	0
Lead	$mg.kg^{-1}$	550	111.7	37	1300	0
Mercury	$mg.kg^{-1}$	5.6	0.5	37	240	0
Nickel	$mg.kg^{-1}$	52	23.0	37	800	0
Copper	$mg.kg^{-1}$	1700	81.2	37	44,000	0
Zinc	$mg.kg^{-1}$	7600	339.9	37	170,000	0
Selenium	$mg.kg^{-1}$	2.2	0.9	37	1,800	0
TPH Aliphatic >EC_5 - EC_6	$mg.kg^{-1}$	1	0.2	37	130,000	0
TPH Aliphatic >EC_6 - EC_8	$mg.kg^{-1}$	1	0.2	37	220,000	0
TPH Aliphatic >EC_8 - EC_{10}	$mg.kg^{-1}$	45	1.4	37	18,000	0
TPH Aliphatic >EC_{10} - EC_{12}	$mg.kg^{-1}$	33	2.4	37	23,000	0
TPH Aliphatic >EC_{12} - EC_{16}	$mg.kg^{-1}$	31	3.9	37	25,000	0
TPH Aliphatic >EC_{16} - EC_{21}	$mg.kg^{-1}$	30	5.5	37	480,000	0
TPH Aliphatic >EC_{21} - EC_{35}	$mg.kg^{-1}$	65	24.2	37	480,000	0
TPH Aromatic >EC_5 - EC_7	$mg.kg^{-1}$	27	0.9	37	84,000	0
TPH Aromatic >EC_7 - EC_8	$mg.kg^{-1}$	30	1.0	37	95,000	0
TPH Aromatic >EC_8 - EC_{10}	$mg.kg^{-1}$	35	1.2	37	8,500	0
TPH Aromatic >EC_{10} - EC_{12}	$mg.kg^{-1}$	32	2.2	37	9,700	0
TPH Aromatic >EC_{12} - EC_{16}	$mg.kg^{-1}$	49	7.1	37	10,000	0
TPH Aromatic >EC_{16} - EC_{21}	$mg.kg^{-1}$	470	54.6	37	7,700	0
TPH Aromatic >EC_{21} - EC_{35}	$mg.kg^{-1}$	1200	144.2	37	7,800	0
Benzene	$mg.kg^{-1}$	nd	-	16	100	0
Toluene	$mg.kg^{-1}$	nd	-	16	95,000	0
Ethylbenzene	$mg.kg^{-1}$	nd	-	16	22,000	0
Xylene	$mg.kg^{-1}$	nd	-	16	23,000	0
Naphthalene	$mg.kg^{-1}$	25.7	1.0	37	1,900	0
Acenaphthylene	$mg.kg^{-1}$	124	3.9	37	30,000	0
Acenaphthene	$mg.kg^{-1}$	76.6	3.1	37	30,000	0
Fluorene	$mg.kg^{-1}$	89.1	3.7	37	20,000	0
Phenanthrene	$mg.kg^{-1}$	95	11.0	37	6,200	0
Anthracene	$mg.kg^{-1}$	27	3.1	37	150,000	0
Fluoranthene	$mg.kg^{-1}$	100	17.1	37	6,300	0
Pyrene	$mg.kg^{-1}$	97	14.7	37	15,000	0
Benzo(a)anthracene	$mg.kg^{-1}$	57	8.5	37	56	1
Chrysene	$mg.kg^{-1}$	50	7.3	37	110	0
Benzo(b)fluoranthene	$mg.kg^{-1}$	64	9.8	37	15	7
Benzo(k)fluoranthene	$mg.kg^{-1}$	26	4.2	37	410	0
Benzo(a)pyrene	$mg.kg^{-1}$	50	7.9	37	12	8
Indeno(1,2,3-c,d)pyrene	$mg.kg^{-1}$	34	5.2	37	170	0
Dibenzo(a,h)anthracene	$mg.kg^{-1}$	9.6	1.2	37	1.3	9
Benzo(g,h,i)perylene	$mg.kg^{-1}$	29	5.0	37	1,500	0

Contaminant	Units	Max	Mean	No of Tests	Screening Level (SL)	No > SL*
HUMAN HEALTH RISK ASSESSMENT						
Phenol	$mg.kg^{-1}$	<1	-	37	690	0

Notes: * Number of samples exceeding screening level nd = not detected

5.3.2 **Zootoxic Metals (harmful to human health)**

5.3.2.1 No zootoxic metals were recorded in excess of the screening levels designed to be protective of health in a parkland setting.

5.3.3 **Organic Contaminants**

5.3.3.1 Concentrations of petroleum hydrocarbons in the upper half metre of soils were low and were below the generic assessment criteria for a park.

5.3.3.2 Approximately 20 % of the samples failed the generic S4UL parkland assessment criteria for some PAH compounds, in particular for benzo(b)fluoranthene, benzo(a)pyrene and dibenz(a,h)anthracene. It is noted that the S4UL screening levels are pitched at a minimal risk level. Average PAH concentrations pass the S4UL screening level.

5.3.3.3 The exposure pathway contributions for these particular PAH species in the standard parkland CLEA scenario have been considered further to place the data in context as part of the conceptual site model. It is the case that 88.4 % of exposure is via the outdoor soil ingestion pathway and 11.4 % of exposure is via dermal contact outdoors. Outdoor inhalation of vapour accounts for 0.2 % of the exposure contribution and outdoor inhalation of dust contributes less than 0.1 % of exposure. Inhalation pathways are not considered to be a risk driver for these particular PAH species in a parkland exposure scenario. Clearly, the degree of direct contact with soil (ingestion and dermal pathways) will govern the risk associated with these contaminants.

5.3.3.4 A DEFRA Category 4 Screening Level (C4SL) is also published for benzo(a)pyrene at 21 $mg.kg^{-1}$ which is pitched at a low (but not minimal) risk level. Soils which pass a C4SL are definitely not classed as "*Contaminated Land*" under the Part 2A definition, which is also the minimum requirement for the planning regime. It is noted that only three of the samples (approximately 8 %) fail the parkland C4SL for benzo(a)pyrene which is often used as a marker for broader PAHs. Average benzo(a)pyrene concentrations are well below the C4SL.

5.3.3.5 The benzo(a)pyrene results which fail the C4SL screening level for parkland usage are as follows:

i. MWS2 at 0.4 – 0.6 m bgl with BaP at 37 $mg.kg^{-1}$ associated with made ground with inclusions of tarmac fragments. This sample was taken from a layer of made ground which is situated below a 200 mm thickness of topsoil and 50 mm concrete layer so the affected made ground is not accessible to casual

users at the surface. The PAH is expected to be largely bound within the tarmac fragments. Direct ingestion and dermal pathways will not be operational to connect this contamination to site user receptors at the surface;

ii. TP108 at 0.4 m with BaP at 50 mg.kg^{-1}. The stratum description for this from the surface to 0.9 m bgl was *grass and nettles overlying MADE GROUND comprising dark brown slightly gravelly slightly sandy clay. Gravels are medium subangular flint, brick and plastic. Sands are coarse*;

iii. TP131 at 0.3 m bgl with BaP at 25 mg.kg^{-1}. The stratum was logged as *made ground comprising dark grey sandy gravel. Gravels are coarse angular tarmac, brick, metal and concrete. Sands are coarse*. Again, it is expected that the PAH is bound with in the tarmac fragments. The affected layer of made ground sits below a 100 mm layer of different made ground without evidence of tarmac fragments, so again it is expected that the direct ingestion and dermal pathways will not be operational to connect this contamination to site user receptors at the surface.

5.3.3.6 The spatial distribution of PAH contamination in the upper half metre is shown in Figure 7 below.

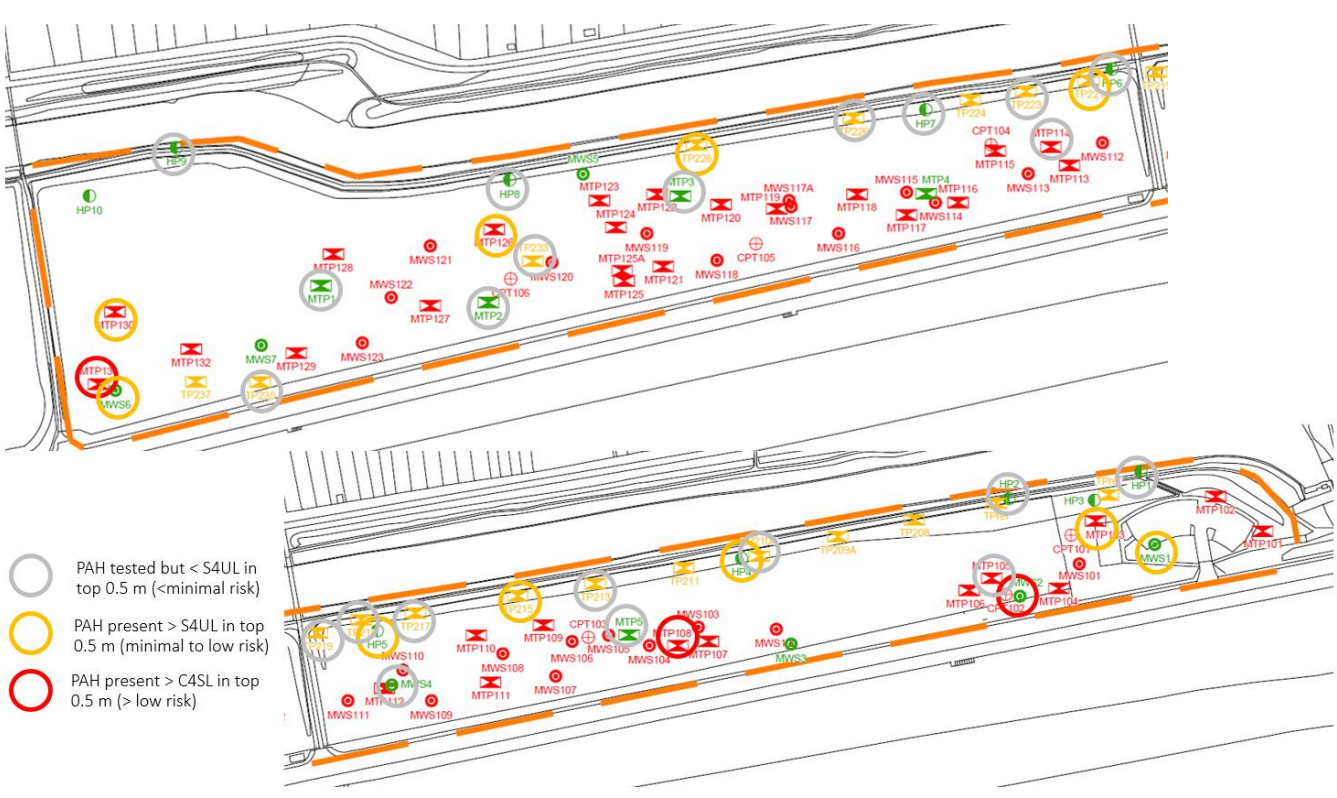


Figure 7: Distribution of PAH contamination

5.3.3.7 In summary there appears to be very limited PAH contamination (1 out of 37 samples or 3 %) in excess of *low risk* parkland C4SL screening criteria where direct exposure pathways are viable. Average PAH concentrations are well below the *low risk* C4SL threshold.

5.3.3.8 Adopting the average PAH concentration is considered to be reasonable for mobile recreational uses (*i.e.* walking through the site) as a typical user's direct exposure to site soils would be spread across the various soils of the site.

5.3.3.9 Averaging the PAH contaminant concentration would not be appropriate if more static recreational activities are proposed where a person's direct exposure to soils occurs in a localised area which may be contaminated more than the average condition. This is discussed further in later sections of this report.

5.3.4 Inorganic Contaminants

5.3.4.1 Only two samples were noted to have pH outside the typical range. Given that average pH is well within the normal range, no further assessment is necessary.

5.3.4.2 Asbestos was detected by the laboratory in approximately a quarter of the soil samples from the upper half metre and asbestos was also confirmed in two bulk samples of suspected asbestos cement. Asbestos detects in these shallow soils are summarised below in Table 4 and Figure 8.

Table 4: Summary of laboratory asbestos data from soils in the upper half metre

LOCATION	DEPTH	TYPE	QUANTIFICATION
MTP2	0.4 m	Suspected asbestos cement fragment confirmed by lab as chrysotile-hard/cement type material	-
MTP3	0.30-0.50 m	Amosite & chrysotile - insulation lagging & loose fibres	0.002 %
MTP5	0.6 m	Suspected asbestos cement fragment confirmed by lab as chrysotile-hard/cement type material (stratum present from 0.3 – 0.8 m)	-
MWS1	0.40-0.50 m	Amosite loose fibres	<0.001 %
MWS2	0.40-0.60 m	Chrysotile loose fibres	-
MWS6	0.30-0.50 m	Chrysotile loose fibres	-

LOCATION	DEPTH	TYPE	QUANTIFICATION
HP5	0.20-0.30 m	Chrysotile amosite - insulation lagging, loose fibres	0.035 %
HP8	0.20-0.30 m	Amosite - insulation lagging	0.003 %
TP219	0.5 m	Chrysotile fibre bundle in soil	-
TP223	0.5 m	Amosite loose fibres in soil	-

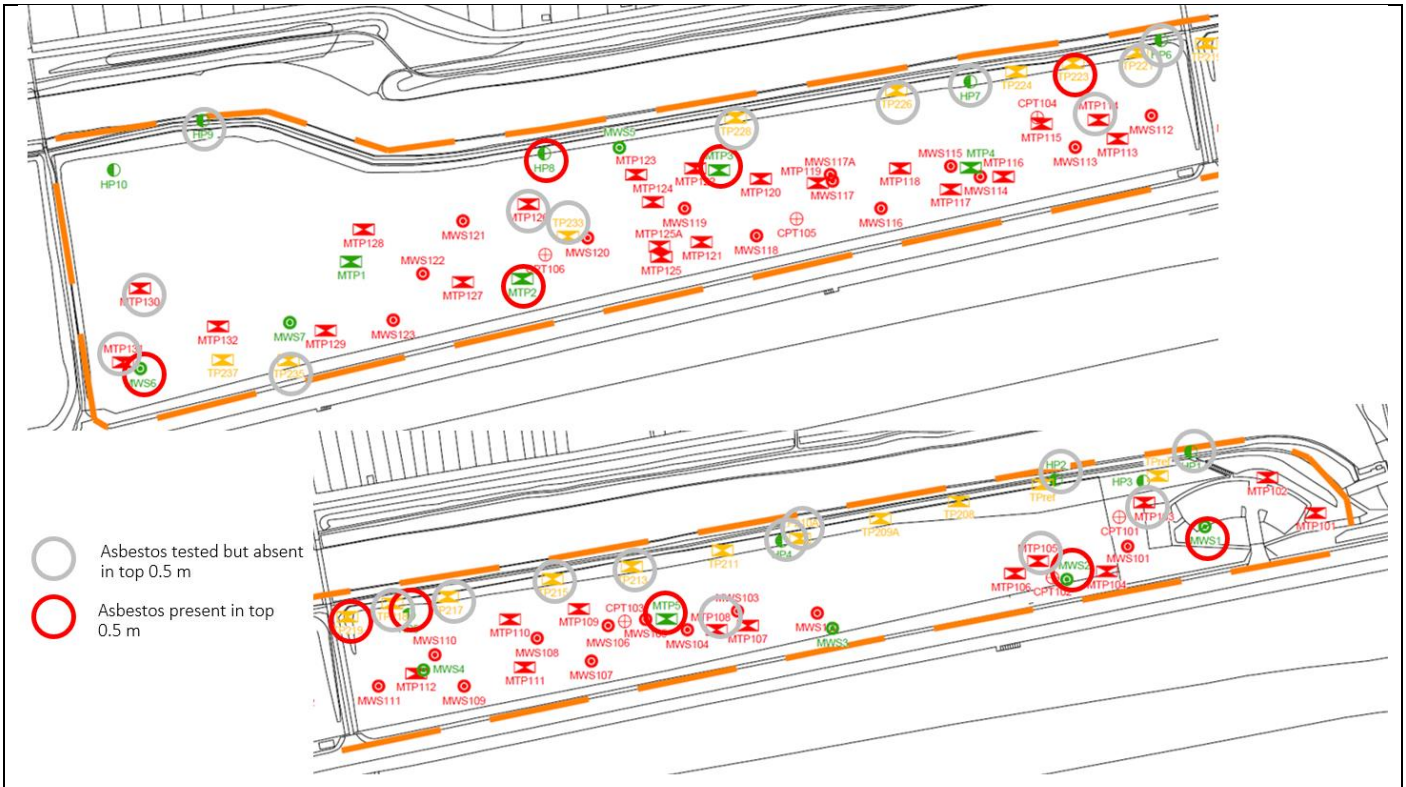


Figure 8: Asbestos distribution in soils of the upper half metre

5.4 DATA SCREENING OF FULL DEPTH OF SOILS FOR VAPOUR RISK

5.4.1 It is recognised that the full depth of soil data is relevant in the context of vapour risks via volatilisation from soil, although the vapour pathway is not noted to be a risk driver for the parkland usage. As part of a precautionary approach, the full depth of data from the IDOM Merebrook investigations has been screened to identify contaminants of concern via the vapour pathway.

Table 5: Consideration of full depth of soil data in the context of volatilisation

DETERMINAND	UNITS	NO TESTS	MAX	MEAN	POSpark S4UL at 2.5% SOM	CONTAMINANT OF CONCERN FOR VAPOUR PATHWAY
Aliphatic C5-C6	$mg.kg^{-1}$	87	<1	0.7	130,000	No
Aliphatic C6-C8	$mg.kg^{-1}$	87	<1	0.7	220,000	No
Aliphatic C8-C10	$mg.kg^{-1}$	87	51	3.2	18,000	No
Aromatic C5-C7	$mg.kg^{-1}$	87	27	1.3	84,000	No
Aromatic C7-C8	$mg.kg^{-1}$	87	30	1.3	95,000	No
Aromatic C8-C10	$mg.kg^{-1}$	87	35	1.4	8,500	No
BTEX	$mg.kg^{-1}$	26	nd	-	-	No
Naphthalene	$mg.kg^{-1}$	86	11	0.8	1,900	No

5.4.2 No additional deeper soil source has been identified in the context of the volatilisation pathway and exposure outdoors in a parkland setting. The outdoor vapour pathway is not considered to be relevant to the proposed parkland setting for this site as no source is present.

SECTION 6 RISK ASSESSMENT

6.1 The potential sources of contamination at the site and the implications with respect to risks to human health in a range of recreational use scenarios have been interpreted in accordance with the current government guidance on source-pathway-receptor risk assessment.

6.2 For future recreational land use scenarios, the exposure pathways of concern are:

i. Ingestion of soil outdoors – this is the main pathway for exposure to PAH contamination;

ii. Dermal contact with soil outdoors – this is a subordinate pathway for exposure to PAH contamination; and

iii. Inhalation of dust outdoors. This pathway is not a risk driver for PAH but is the key pathway for asbestos exposure.

6.3 Given the active pathways for this parkland scenario, the contamination status of surface soils is relevant. Contamination in deeper soils is not relevant to human health in this land use setting as there will be no direct contact between site users and the deeper soils and no dust will be generated from these deeper soils.

6.4 The investigations demonstrate that the former uses of the site have resulted in contamination of near-surface soils with certain polyaromatic hydrocarbon compounds and asbestos, both as fibres in soil and as fragments of asbestos-containing material. The chemical quality of deeper soils has only been considered

in the context of vapour risks to health and no additional contaminants of concern have been identified by the screening exercise. Ground gas is not considered to pose a risk to health or property on site given the lack of structures or confined spaces in the current and future recreational land use scenario. These materials are considered for their potential to act as sources for a number of pollutant linkages.

6.5 This report does not consider risks to controlled waters which may necessitate further monitoring, management or assessment.

6.6 **Risk to health from PAH contamination**

6.6.1 Ingestion of soils and dermal contact with soil are the relevant pathways for PAH exposure.

6.6.2 The results suggest that for mobile recreational activities, such as walking through the site, exposure to average PAH concentrations would be insufficient to trigger a risk to health.

6.6.3 For more static recreational activities (such as playing, picnicking) which may take place in locations where PAH concentrations may be higher than the average, then a risk to health may be present if soils are bare due to sparse vegetation cover. It is noted that this situation would only occur in very limited areas of the site or if unrestricted disturbance of the site surface is permitted.

6.7 **Risk to health from asbestos contamination**

6.7.1 Inhalation of dust (including asbestos fibres) outdoors is the relevant pathway for asbestos exposure.

6.7.2 The potential for asbestos fibre generation is controlled by the nature and condition of the asbestos material, soil moisture content, vegetation cover and the degree of activities that may disturb surface soils. Where soils are moist and there is good vegetation cover, then asbestos fibre generation would not be expected to be significant. Asbestos fibre generation is possible where dry, bare soils are present, particularly if activities on site degrade the vegetation cover and disturb surface soils.

6.7.3 A range of asbestos types has been identified in shallow soils, each with differing fibre release potential and risk profiles. The presence of chrysotile cement-based materials is considered to be associated with a low risk of fibre release as the asbestos is largely bound within the cement product and chrysotile is the least hazardous mineral form of asbestos (white asbestos). In contrast, the presence of chrysotile-amosite insulation lagging and loose fibres at shallow depth (at more than trace quantities (0.035 %)) suggests that higher risk, more friable asbestos materials are present locally. These have greater potential for fibre release, in dry, unvegetated conditions, with amosite also being a more hazardous mineral form of asbestos (brown asbestos).

6.7.4 There is considered to be a potential risk of asbestos fibre release during periods of dry dusty conditions, particularly where active disturbance of bare asbestos-impacted soils occurs. It is considered that the risk would be increased if open access were available to the site as the potential for uncontrolled ground disturbance would be greater.

SECTION 7 UPDATED CONCEPTUAL MODEL

7.1 Following completion of phases 1 and 2 of the investigation and a qualitative risk assessment, the conceptual model for the site, with relation to human health pollutant linkages, has been updated. The revised model is presented in Table 6 below.

Table 6: Revise Conceptual Site Model

POSSIBLE POLLUTANT LINKAGE			RISK CHARACTERISATION
SOURCES	**PATHWAYS**	**RECEPTORS**	
Localised PAH (made ground and landfill material)	Contact with contaminated soil	Human health (current users)	**Low risk identified** Made ground contains locally elevated PAH, however site is vegetated and access is currently restricted by boundary fencing limiting exposure.
	Ingestion of contaminated soil	Human health (current users)	
Localised PAH (made ground and landfill material)	Contact with contaminated soil	Human health (future site users)	Made ground contains locally elevated PAH however site is vegetated. The extent of future access will determine the degree of risk. **Low risk identified for mobile site activities** e.g. walking through site, as exposure is limited and average PAH conditions are acceptable. **Low to Moderate risk identified for static site activities** e.g. playing / picnicking where this activity coincides with PAH affected soils.
	Ingestion of contaminated soil	Human health (future site users)	
Localised PAH (made ground and landfill material)	Contact with contaminated soil	Human health (workers during preparatory and maintenance activities)	**Low to moderate risk identified** Made ground contains locally elevated PAH. Direct exposure to soils possible in limited areas during intrusive works. Will require management through health and safety protocols and careful disposal of any landfill materials that arise from excavations.
	Ingestion of contaminated soil	Human health (workers during preparatory and maintenance activities)	

POSSIBLE POLLUTANT LINKAGE			RISK CHARACTERISATION
SOURCES	PATHWAYS	RECEPTORS	
Asbestos (made ground and landfill material)	Inhalation of contaminated soil and dust	Human health (current users)	**Low risk identified** Shallow made ground and landfill material contains a range of asbestos forms from chrysotile cement based product to more fibrous amosite lagging. Site is heavily vegetated and access is currently limited by boundary fencing which limits both the potential for soil disturbance and the presence of receptors.
Asbestos (made ground and landfill material)	Inhalation of contaminated soil and dust	Human health (future site users)	Shallow made ground and landfill material contains a range of asbestos forms from chrysotile cement based product to more fibrous amosite lagging. Risk depends on extent of future soil disturbance, weather conditions, access and degree of vegetation cover. **Low risk identified for mobile site activities on designated paths.** This scenario anticipates walking through site on designated paths with remainder of site heavily vegetated and wider access precluded. This control measure would limit the potential for soil disturbance. Risk would be limited to any prolonged dry periods. This approach would need to be underpinned by reassurance monitoring to confirm that asbestos is not being included in dust generated from the site. **Moderate risk identified for unrestricted site activities.** This scenario anticipates unrestricted access through site with the site remaining predominantly heavily vegetated. This scenario allows increased potential for soil disturbance and direct contact with soils. Risk would be limited to any prolonged dry periods. **Moderate risk identified for static site activities** e.g. playing / picnicking where this activity coincides with asbestos affected soils, particularly during prolonged dry weather.

POSSIBLE POLLUTANT LINKAGE			RISK CHARACTERISATION
SOURCES	PATHWAYS	RECEPTORS	
Asbestos (made ground and landfill material)	Inhalation of contaminated soil and dust	Human health (workers during preparatory and maintenance activities)	**Moderate risk identified** Shallow made ground and landfill material contains a range of asbestos forms from chrysotile cement based product to more fibrous amosite lagging. Direct exposure to soils possible in limited areas during intrusive works. Will require management through health and safety protocols and careful disposal of any landfill materials that arise from excavations.
Hazardous Gas/Vapours In soil	Ingress into confined spaces	Human health (no receptor as no structures or confined spaces proposed)	**n/a**

SECTION 8 PRELIMINARY REMEDIATION OPTIONS AND MANAGEMENT CONTROLS

8.1 INTRODUCTION

8.1.1 The identified risks to human health at the site can be mitigated by removal of either the source, pathway or receptor. With reference to the conceptual model for the site a series of remediation and management controls are outlined below for the range of potential recreational uses that may be considered for the site.

8.2 THE CURRENT SITE USAGE

8.2.1 Made ground contains locally elevated PAH and a range of asbestos forms from chrysotile cement-based product to more fibrous amosite lagging. However, the site in its current form is heavily vegetated and access is limited by boundary fencing which limits both the potential for soil disturbance and the presence of receptors.

8.2.2 The risk to current site users with the current boundary hoarding / fencing in place is expected to be low and the site would not be expected to have potential to be classed as Contaminated Land under Part 2A of the Environment Protection Act on the basis of risks to health.

8.2.3 Any changes to the current status of the site in terms of removal of boundary fencing or vegetation removal would trigger a requirement for an update to this risk assessment and the Part 2A status of the site.

8.3 REMOVAL OF ALL FENCES AND UNRESTRICTED ACCESS

8.3.1 Based on the current degree of information, the scenario whereby all fences are removed to allow unrestricted access is considered to be associated with a potentially moderate risk from asbestos during periods of dry weather and a locally low to moderate risk from PAH where informal static activities coincide with PAH-affected soils.

8.3.2 If it is intended to pursue this option, then it is recommended that additional data would need to be gathered as follows:

i. Additional sampling of near surface soils with laboratory testing for PAH and asbestos;

ii. An updated risk assessment prepared on the basis of the additional soil data;

iii. Gathering a baseline of dust data from around and within the site (to include periods of dry weather) with analysis of dusts for the presence of asbestos fibres;

iv. Regular inspections of the whole site, particularly during the summer season and any prolonged dry periods to check for any areas of bare ground or soil disturbance;

v. Covering of any localised areas where landfill waste is visible at the surface with a dressing of soil or appropriate matting.

8.3.3 An alternative would be to clear the entire site, install a new clean cap and re-landscape the area. However, it is understood that this may not be desirable due to ecological and public perception issues.

8.3.4 It is recommended that the current fencing remains in place until the additional data, risk assessment and management actions listed above are completed to successfully demonstrate that the future usage can be supported on a risk-basis.

8.4 ALLOWING RESTRICTED ACCESS THROUGH THE SITE ALONG FENCED PATHS WITH SITE REMAINING HEAVILY VEGETATED

8.4.1 Allowing restricted access through the site for walking / dog walking is considered to present a low risk, provided designated pathways are surfaced with clean material (*i.e.* not with bare site-derived soil) and assuming fencing capable of deterring human and dog access to the surrounding land is present and maintained. This option also assumes that the site remains largely heavily vegetated.

8.4.2 This scenario will limit the potential for disturbance of site soils and will also limit the number of receptors and their exposure duration.

8.4.3 In this scenario, it would be necessary to carry out the following:

i. Ensure paths are surfaced with clean materials,

ii. Install and maintain fencing along the pathway corridors and around the perimeter of the site. Fencing does not have to be solid, but should be capable of deterring human and dog access;

iii. Regular inspections of the site perimeter, pathway corridors and immediately surrounding ground, particularly during the summer season and any

prolonged dry periods to check for any areas of bare ground or soil disturbance;

iv. Covering of any localised areas where landfill waste is visible at the surface, in close proximity to the site perimeter or pathway corridors, with a dressing of soil or appropriate matting;

v. Whilst not essential from a risk assessment perspective, gathering a baseline of dust data from the site perimeter and pathway corridors (to include periods of dry weather) with analysis of dusts for the presence of asbestos fibres would provide reassurance that control measures are effective.

8.4.4 It is again recommended that the current fencing remains in place until the works listed above are completed and verified to ensure that the future usage can be supported on a risk-basis.

8.5 INSTALLATION OF NEW AREAS DEDICATED FOR RECREATION – PLAY AREAS OR SPORTS PITCHES

8.5.1 The introduction of dedicated recreational areas without mitigation would trigger a moderate risk as an increased number of receptors would use the site for an extended period of time and would be in direct contact with site soils.

8.5.2 The introduction of dedicated recreational areas would require capping of the recreation area with clean soils. A 300 mm thickness of clean soil may be sufficient depending on the proposed usage. This would ensure that direct contact with contaminated ground is precluded and also that dust generation from activities that disturb soil will only be from clean soils. This scenario assumes that the remainder of the site remains heavily vegetated and fenced off (apart from a designated clean walking path as described above).

8.5.3 As the introduction of new dedicated recreation areas would increase the number of receptors in the area, it is recommended that the following risk management / monitoring activities would also be required:

i. Regular inspections of the landfill surrounding the recreation area, particularly during the summer season and any prolonged dry periods to check for any areas of bare ground or soil disturbance;

ii. Covering of any localised areas where landfill waste is visible at the surface in close proximity to the recreation area with a dressing of soil or appropriate matting;

iii. Gathering a baseline of dust data from around the recreation area (to include periods of dry weather) with analysis of dusts for the presence of asbestos fibres would provide reassurance that control measures are effective.

8.6 MANAGEMENT CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORKERS

8.6.1 Due to the contaminated nature of the ground, management controls would need to be in place for any activities where ground disturbance is caused.

8.6.2 Any arisings from the installation of fence posts would need to be disposed from site in a controlled manner with appropriate health and safety and environmental controls employed by the contractor during the works.

8.6.3 The site should be subject to regular inspections as set out in the sections above.

8.6.4 The contaminated nature of the ground should be addressed by the Health and Safety file for the site with any activities that require ground disturbance triggering the requirement for a task specific method statement.

8.7 OTHER ISSUES

8.7.1 This report does not address any potential risks to controlled waters. It is possible that ongoing monitoring of groundwater wells may be required to determine any trends in groundwater impact over time. Engagement with the Environment Agency is recommended.

APPENDIX 1 ▪ Drawings

Legend

- Site boundary approximately
- TPref — Socotec trial pit with location reference (2022)
- MTPref — Merebrook trial pit with location reference (June 2021)
- MWSref — Merebrook window sample with location reference (June 2021)
- CPTref — Cone penetration test with location reference (June 2021)
- MHPref — Approximate Merebrook hand auger locations with reference (Feb 2017)
- MWSref — Approximate Merebrook window sample location with reference (July 2015)
- MTPref — Approximate Merebrook trial pit location with reference (July 2015)

First Issue	18/07/2023		-
	FO	LMH	LMH
ISSUE DETAILS	DWN	CHD	APP'D

ISSUE PURPOSE: PRELIMINARY

CLIENT: Shepway District Council

PROJECT: Princes Parade
Seabrook, Hythe

DWG TITLE: Site Investigation Locations Plan

DWG NO.: 17436ai-304-004

SCALE	DATE	FRAME DIMS (mm)
1:2000	July 2023	(A1) 791 x 544
DRAWN	CHECKED	APPROVED
FO	LMH	LMH

IDOM
Registered Office: Cromford Mills, Mill Lane, Matlock, Derbyshire, DE4 3RQ
Website: www.merebrook.co.uk t: +44(0)1773 829 988 e: info.derbyshire@idom.com

APPENDIX 2 ▪ Exploratory Hole Logs

idom merebrook
Offices:
Belper: 01773 829988
Keston: 01689 889980
email: consulting@merebrook.co.uk

Plant: JCB Excavator

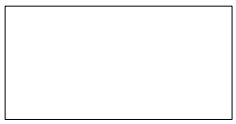
Co-ords: -

Trialpit No
MTP1
Sheet 1 of 1

Project Name
Princes Parade

Project No.
17436A1

Dimensions (m):



Depth (m)
2.60

Date
17/06/2015

Location: Hythe, Kent

Scale
1:25

Client: Shepway District Council

Logged By
GOB

Samples & In Situ Testing			Water Strike	Depth in metres (thickness)	Legend	Stratum Description
Depth (m)	Type	Results				
				0.20		Rough grasses over TOPSOIL composed of firm brown slightly sandy clayey SILT with frequent rootlets, gravels and occasional red brick fragments.
0.30-0.40	D,J			0.40		MADE GROUND composed of firm brown slightly sandy clayey SILT with frequent rootlets, gravels, red brick fragments, occasional plastic, glass, rubbish and rare shells and cobbles.
				0.60		MADE GROUND composed of dense brown silty sandy GRAVEL with frequent red brick fragments, concrete and rootlets.
1.00-1.20	D,J			(0.90)		MADE GROUND composed of firm brown silty gravelly CLAY with frequent whole brocks, concrete fragments, cobbles, plastic, glass and rubbish. Large concrete slabs at 0.7 m bgl. Large rusted electrical appliance encountered at 0.8 m bgl. Old wiring at 1.0 m bgl. Suspected asbestos pipe encountered at 1.1 m bgl. Large wooden fragments at 1.3 m bgl.
				1.50		MADE GROUND comprised dense brown gravelly clayey SAND with frequent landfill waste. Waste included rusted metals, red bricks, concrete fragments, glass bottles, wooden fragments, batteries, a wheel, textiles, plastic bottles (detergent, bleach, shampoo etc.), aerosol cans. Two large animal bones encountered at 1.9 m bgl
2.00-2.20	D,J			(1.10)		
				2.60		Trialpit Complete at 2.60 m

1
2
3
4

Remarks: Backfilled with arisings

IVN - in-situ hand vane
IPP - in-situ pocket penetrometer
PID - in-situ photoionization detector

D - small disturbed sample (tub)
J - amber glass jar (250ml)
V - amber glass jar (60ml)
B - bulk disturbed sample

idom merebrook
Offices:
Belper: 01773 829988
Keston: 01689 889980
email: consulting@merebrook.co.uk

Plant: JCB Excavator

Co-ords: -

Trialpit No
MTP2
Sheet 1 of 1

Project Name
Princes Parade

Project No.
17436A1

Dimensions (m):
2.00 × 1.00
Depth (m) 2.60

Date
17/06/2015

Location: Hythe, Kent

Scale
1:25

Client: Shepway District Council

Logged By
GOB

Samples & In Situ Testing			Water Strike	Depth in metres (thickness)	Legend	Stratum Description
Depth (m)	Type	Results				
0.30-0.50 0.40	D,J D			(0.50) 0.50		Rough grasses / thistles / nettles over TOPSOIL comprised of brown soft to firm clayey sandy slight gravelly SILT with frequent rootlets, occasional red brick fragmeents and glass. Possible asbestos cement fragment encountered at 0.4 m bgl.
				(0.40) 0.90		MADE GROUND composed of possibly medium dense brown clayey silty slightly sandy GRAVEL with occasional red brick, concrete and wooded fragments, occasional shells and plastics. Large concrete slab recovered at 0.8 m bgl.
1.00-1.20	D,J			1.10		MADE GROUND comprised brown clayey slightly sandy GRAVEL. Gravel fine to coarse sub angular to sub rounded of mixed lithologies.
				(0.90) 2.00		MADE GROUND composed of firm brown silty sandy gravelly CLAY with frequent landfill waste. Wastes included red bricks, plastics, slate, glass bottles and fragments, rusted metals pieces, plastic bottles (detergent, bleach, shampoo etc.). Wastes became more prominent at 1.5 m bgl. Silty ash and clinkers encountered at 1.8 m bgl.
				(0.60) 2.60		MADE GROUND composed of loose dark grey silty gravelly SAND with frequent red brick and concrete blocks and fragments and occasional glass, plastic and metals.
						Trialpit Complete at 2.60 m
3.00	D,J					

1 2 3 4

Remarks: Backfilled with arisings

IVN - in-situ hand vane
IPP - in-situ pocket penetrometer
PID - in-situ photoionization detector

D - small disturbed sample (tub)
J - amber glass jar (250ml)
V - amber glass jar (60ml)
B - bulk disturbed sample

idom merebrook
Offices:
Belper: 01773 829988
Keston: 01689 889980
email: consulting@merebrook.co.uk

Plant: JCB Excavator

Co-ords: -

Trialpit No
MTP3
Sheet 1 of 1

Project Name
Princes Parade

Project No.
17436A1

Dimensions (m):
2.00
Depth (m) 3.00
1.00

Date
17/06/2015

Location: Hythe, Kent

Scale
1:25

Client: Shepway District Council

Logged By
GOB

Samples & In Situ Testing			Water Strike	Depth in metres (thickness)	Legend	Stratum Description
Depth (m)	Type	Results				
				(0.60) 0.60		Rough grasses / thistles / nettles over MADE GROUND comprised of brown soft to firm clayey sandy slight gravelly SILT with frequent rootlets and red brick fragments, occasional plastic, tarmac and glass fragmeents, ceramics and whole red bricks.
1.00-1.10	D,J			(0.90) 1.50		MADE GROUND composed of firm dark brown silty sandy gravelly CLAY with frequent landfill waste. Waste included rusted metals, red bricks, concrete, ceramics, glass bottles, wooden fragments, wiring, tarmac, plastic bags, plastic bottles (detergent, bleach, shampoo etc.) and textiles.
				1.60		MADE GROUND composed of firm grey reworked CLAY.
				(0.40) 2.00		MADE GROUND composed of firm dark brown silty sandy gravelly CLAY with frequent landfill waste. Waste included rusted metals, red bricks, concrete, ceramics, glass bottles, wooden fragments, wiring, tarmac, plastic bags, plastic bottles (detergent, bleach, shampoo etc.) and textiles.
2.00-2.20	D,J			(0.50) 2.50		MADE GROUND composed of dark brown sandy gravelly SILT with frequent red bricks, tarmac and wooden fragments and plastic landfill waste. Slight hydrocarbon odour.
				(0.50) 3.00		MADE GROUND composed of firm brown / dark grey silty gravelly CLAY with lenses of dark grey sandy silt and occasional landfill waste. Waste included glass bottles, ash, clinkers, red bricks, wooden fragments and plastics. Large concrete slab encountered at 2.2 m bgl.
						Trialpit Complete at 3.00 m

1 2 3 4

Remarks: Backfilled with arisings

IVN - in-situ hand vane
IPP - in-situ pocket penetrometer
PID - in-situ photoionization detector

D - small disturbed sample (tub)
J - amber glass jar (250ml)
V - amber glass jar (60ml)
B - bulk disturbed sample

idom merebrook
Offices:
Belper: 01773 829988
Keston: 01689 889980
email: consulting@merebrook.co.uk

Plant: JCB Excavator

Co-ords: -

Trialpit No
MTP4
Sheet 1 of 1

Project Name
Princes Parade

Project No.
17436A1

Dimensions (m):
2.00 × 1.00

Date
17/06/2015

Location: Hythe, Kent

Depth (m)
2.70

Scale
1:25

Client: Shepway District Council

Logged By
GOB

Samples & In Situ Testing			Water Strike	Depth in metres (thickness)	Legend	Stratum Description
Depth (m)	Type	Results				
				(0.40)		Rough grasses / thistles / nettles over TOPSOIL composed of brown soft to firm clayey sandy slight gravelly SILT with frequent rootlets and occasional red brick fragmeents.
0.30-0.50	D,J			0.40		
						MADE GROUND composed of possibly medium dense clayey silty sandy GRAVEL with frequent red brick fragments, occasional glass, rootlets, plastics and wooden fragments.
				0.60		
						MADE GROUND composed of possibly loose silty gravelly SAND with frequent red brick fragments, occasional slate and glass.
				(0.50)		
0.90-1.00	D,J					
				1.10		
						MADE GROUND composed of brown silty sandy gravelly CLAY with frequent landfill waste. Waste included rusted metals, red bricks, concrete fragments, batteries, glass bottles, wooden fragments, tarmac fragments, plastic bags and bottles (detergent, bleach, shampoo etc.).
				(1.60)		
2.00-2.20	D,J					
				2.70		Trialpit Complete at 2.70 m

1
2
3
4

Remarks: Backfilled with arisings

IVN - in-situ hand vane
IPP - in-situ pocket penetrometer
PID - in-situ photoionization detector

D - small disturbed sample (tub)
J - amber glass jar (250ml)
V - amber glass jar (60ml)
B - bulk disturbed sample

idom merebrook
Offices:
Belper: 01773 829988
Keston: 01689 889980
email: consulting@merebrook.co.uk

Plant: JCB Excavator

Co-ords: -

Trialpit No
MTP5
Sheet 1 of 1

Project Name
Princes Parade

Project No.
17436A1

Dimensions (m):
2.00
Depth (m) 1.70
1.00

Date
17/06/2015

Location: Hythe, Kent

Scale
1:25

Client: Shepway District Council

Logged By
GOB

Samples & In Situ Testing			Water Strike	Depth in metres (thickness)	Legend	Stratum Description
Depth (m)	Type	Results				
				(0.30)		Rough grass / nettles / weeds over TOPSOIL composed of brown soft to firm clayey sandy slight gravelly SILT with frequent rootlets and occasional red brick fragmeents.
				0.30		
0.40-0.60	D,J			(0.50)		MADE GROUND composed of firm brown silty sandy gravelly CLAY with occasional rootlets and bricks and rare shells and glass. Suspected asbestos cement fragment encountered at 0.6 m bgl.
0.60	D					
				0.80		MADE GROUND composed of brown / orange / light brown silty sandy GRAVEL with frequent landfill waste. Waste included red bricks and fragments, glass, metals, wood plastic bags and bottles.
				(0.90)		
1.50	D,J					
				1.70		Trialpit Complete at 1.70 m

Remarks: Excavator broke down during excavation. Backfilled with arisings

IVN - in-situ hand vane
IPP - in-situ pocket penetrometer
PID - in-situ photoionization detector

D - small disturbed sample (tub)
J - amber glass jar (250ml)
V - amber glass jar (60ml)
B - bulk disturbed sample

idom merebrook
Offices:
Belper: 01773 829988
Keston: 01689 889980
email: consulting@merebrook.co.uk

Equipment and Methods
Premier windowless sample drilling rig

Window Sample No
MWS1
Sheet 1 of 1

Project Name
Princes Parade

Project No.
17436A1

Co-ords
-

Hole Type
WLS

Location: Hythe, Kent

Level
0.000

Scale
1:25

Client: Shepway District Council

Dates: 18/06/2015

Logged By
GOB

Well	Water Strike	Samples & In Situ Testing: Depth (m)	Type	Results	Depth in metres (thickness)	Legend	Stratum Description
					(0.40)		Rough grasses over TOPSOIL composed of firm brown dry slightly sandy gravelly clayey SILT with occasional glass and tarmac pieces.
		0.40-0.50	D,J		0.40 (0.30)		MADE GROUND composed of firm slightly sandy gravelly silty CLAY with frequent tarmac gravels, ash, clinkers red brick fragments and occasional ceramics
					0.70		MADE GROUND composed of loose black sandy GRAVEL [ash and clinkers].
		1.00	CPT	N=8 (2,2,2,2,2,2)	0.80 (0.50)		MADE GROUND composed of firm slightly sandy gravelly silty CLAY with frequent tarmac gravels, ash, clinkers red brick fragments and occasional ceramics
					1.30 (0.30)		MADE GROUND composed of loose black / dark brown sandy GRAVEL [ash and clinkers].
		1.40-1.70	D,J		1.60 (0.60)		MADE GROUND composed of soft to firm brownish grey mottled orange slightly sandy gravelly CLAY with occasional red brick fragments. Gravels medium to coarse sub angular to sub rounded.
		2.00	CPT	N=18 (1,0,1,0,1,16)			
					2.20 (0.50)		MADE GROUND composed of loose dark brown SAND AND GRAVEL with ash, clinkers and red brick fragments.
		2.50-2.80	D,J		2.70		CONCRETE LAYER
					2.80		Medium dense grey clayey sandy GRAVEL.
		3.00	CPT	N=10 (3,4,3,2,2,3)	(0.80)		
	▽				3.60 (0.50)		Medium dense brown wet sandy GRAVEL. Gravel is fine to coarse sub angular to sub rounded. Sand fine to coarse.
		4.00	CPT	N=4 (2,2,1,1,1,1)	4.10 (0.50)		Loose brown wet slightly sandy GRAVEL. Gravel fine to coarse rounded to sub rounded.
		4.50-4.80	D,J		4.60		Medium dense brown wet sandy GRAVEL. Gravel is fine to coarse sub angular to sub rounded. Sand fine to coarse.
					4.80		Grey silty gravelly fine SAND. Gravel fine to medium rounded to

Continued next sheet

Type	Results

Remarks:

IVN - in-situ hand vane
IPP - in-situ pocket penetrometer
SPT - in-situ standard penetration test
PID - in-situ photoionization detector

D - small disturbed sample (tub)
J - amber glass jar (250ml)
V - amber glass jar (60ml)
B - bulk disturbed sample

idom merebrook
Offices:
Belper: 01773 829988
Keston: 01689 889980
email: consulting@merebrook.co.uk

Equipment and Methods
Premier windowless sample drilling rig

Window Sample No
MWS1
Sheet 1+ of 1

Project Name	**Project No.**	**Co-ords**	**Hole Type**
Princes Parade	17436A1	-	WLS
Location: Hythe, Kent		**Level** 0.000	**Scale** 1:25
Client: Shepway District Council		**Dates:** 18/06/2015	**Logged By** GOB

Well	Water Strike	Samples & In Situ Testing: Depth (m)	Type	Results	Depth in metres (thickness)	Legend	Stratum Description
		5.00	CPT	N=14 (6,5,5,3,3,3)	5.00		sub angular.
							End of Window Sample at 5.00 m
			Type	Results			

6
7
8
9

Remarks:

IVN - in-situ hand vane
IPP - in-situ pocket penetrometer
SPT - in-situ standard penetration test
PID - in-situ photoionization detector

D - small disturbed sample (tub)
J - amber glass jar (250ml)
V - amber glass jar (60ml)
B - bulk disturbed sample

idom merebrook
Offices:
Belper: 01773 829988
Keston: 01689 889980
email: consulting@merebrook.co.uk

Equipment and Methods
Premier windowless sample drilling rig

Window Sample No
MWS2
Sheet 1 of 1

Project Name
Princes Parade

Project No.
17436A1

Co-ords
-

Hole Type
WLS

Location: Hythe, Kent

Level
1.000

Scale
1:25

Client: Shepway District Council

Dates: 19/06/2015

Logged By
GOB

Well	Water Strike	Samples & In Situ Testing: Depth (m)	Type	Results	Depth in metres (thickness)	Legend	Stratum Description
					0.20		Rough grasses over TOPSOIL composed of firm brown dry slightly sandy gravelly clayey SILT.
					0.25		CONCRETE LAYER
		0.40-0.60	D,J		0.50		MADE GROUND composed of firm brown / grey friable slightly sandy gravelly CLAY with occasional rootlets, red brick and tarmac fragments. Gravels fine to medium sub angular to angular of mixed lithologies.
					(0.30)		MADE GROUND composed of dark brown / light brown silty gravelly SAND with frequent red brick and tarmac pieces, ash and cinders.
					0.80		MADE GROUND composed of soft to firm brownish grey mottled orange clayey SILT with occasional lenses of fine grey sand, gravels, rootlets, red brick fragments and rare tarmac gravels.
		1.00	CPT	N=4 (1,1,1,1,1,1)			1
		1.00-1.50	D,J		(0.80)		
					1.60		Loose grey silty gravelly SAND with occasional red brick and tarmac fragments.
					(0.40)		
		2.00	CPT	N=16 (3,3,4,4,4,4)	2.00		Loose grey silty gravelly fine to coarse SAND. Gravels fine to coarse sub rounded. 2
	▽				(0.30)		
					2.30		Loose brown wet sandy GRAVEL. Gravels fine to coarse rounded to sub rounded.
					(0.40)		
		2.50-2.80	D,J		2.70		Medium dense brown wet sandy GRAVEL. Gravel is fine to medium sub angular to rounded, with occasional coarse gravels. Sand fine to coarse.
		3.00	CPT	N=12 (5,3,3,3,3,3)			3
					(1.30)		
		4.00	CPT	N=35 (7,9,10,9,8,8)	4.00		End of Window Sample at 4.00 m 4
			Type	Results			

Remarks:

IVN - in-situ hand vane
IPP - in-situ pocket penetrometer
SPT - in-situ standard penetration test
PID - in-situ photoionization detector

D - small disturbed sample (tub)
J - amber glass jar (250ml)
V - amber glass jar (60ml)
B - bulk disturbed sample

idom merebrook
Offices:
Belper: 01773 829988
Keston: 01689 889980
email: consulting@merebrook.co.uk

Equipment and Methods
Premier windowless sample drilling rig

Window Sample No
MWS3
Sheet 1 of 1

Project Name	**Project No.**	**Co-ords**	**Hole Type**
Princes Parade	17436A1	-	WLS
Location: Hythe, Kent		**Level** 2.000	**Scale** 1:25
Client: Shepway District Council		**Dates:** 20/06/2015	**Logged By** GOB

Well	Water Strike	Samples & In Situ Testing: Depth (m)	Type	Results	Depth in metres (thickness)	Legend	Stratum Description
					(0.30)		Rough grasses over TOPSOIL composed of firm brown dry slightly sandy gravelly clayey SILT with frequent rootlets.
					0.30		
		0.40-0.50	D,J		(0.30)		MADE GROUND composed of loose light brown silty sandy GRAVEL with occasional red brick fragments and rare bituminous pieces. Large concrete fragment recovered at 0.5 m bgl.
					0.60		
		1.00	CPT	N=4 (1,1,1,1,1,1)	(1.20)		MADE GROUND composed of soft light brown sandy gravelly CLAY with occasional glass, red brick, clinkers and concrete fragments.
		1.50-2.00	D,J		1.80		
		2.00	CPT	N=5 (2,1,1,1,1,2)	(0.70)		MADE GROUND composed of loose light brown clayey gravelly SAND.
	▽				2.50		
					(0.40)		Loose greyish brown wet slightly sandy GRAVEL. Gravels fine to coarse rounded to sub rounded.
					2.90		
		3.00	CPT	N=28 (6,6,7,7,7,7)	(0.45)		Medium dense orangish grey sandy GRAVEL. Gravel fine to coarse rounded to sub rounded, fine is fine.
					3.35		End of Window Sample at 3.35 m
			Type	Results			

1 2 3 4

Remarks:

IVN - in-situ hand vane
IPP - in-situ pocket penetrometer
SPT - in-situ standard penetration test
PID - in-situ photoionization detector

D - small disturbed sample (tub)
J - amber glass jar (250ml)
V - amber glass jar (60ml)
B - bulk disturbed sample

idom merebrook
Offices:
Belper: 01773 829988
Keston: 01689 889980
email: consulting@merebrook.co.uk

Equipment and Methods
Premier windowless sample drilling rig

Window Sample No
MWS4
Sheet 1 of 1

Project Name
Princes Parade

Project No.
17436A1

Co-ords
-

Hole Type
WLS

Location: Hythe, Kent

Level
3.000

Scale
1:25

Client: Shepway District Council

Dates: 21/06/2015

Logged By
GOB

Well	Water Strike	Samples & In Situ Testing: Depth (m)	Type	Results	Depth in metres (thickness)	Legend	Stratum Description
					(0.30)		Rough grasses / thistles / nettles over TOPSOIL composed of firm brown dry slightly sandy gravelly clayey SILT.
					0.30		
		0.30-0.50	D,J				MADE GROUND composed of soft brown mottled orange and grey slightly gravelly silty CLAY [reworked] with occasional sandy, red brick and concrete fragments.
					(1.20)		
		1.00	CPT	N=9 (1,2,2,2,2,3)			
		1.00-2.00	D,J		1.50		MADE GROUND composed of soft brown / grey clayey SAND with rare red brick, concrete and tarmac fragments.
					(0.40)		
					1.90		
		2.00	CPT	N=6 (2,2,1,2,2,1)	(0.30)		Loose brown clayey sandy GRAVEL. Gravel fine to coarse sub angular to sub rounded.
		2.00-2.50	D,J		2.20		Loose brown sandy GRAVEL. Gravel fine to coarse sub angular to sub rounded.
					(0.90)		
	▽	3.00	CPT	N=15 (3,3,3,4,4,4)			
					3.10		Medium dense clayey slightly sandy GRAVEL. Gravel fine to coarse sub angular to sub rounded.
					(0.90)		
		4.00	CPT	N=9 (3,2,2,2,2,3)	4.00		End of Window Sample at 4.00 m

Remarks:

IVN - in-situ hand vane
IPP - in-situ pocket penetrometer
SPT - in-situ standard penetration test
PID - in-situ photoionization detector

D - small disturbed sample (tub)
J - amber glass jar (250ml)
V - amber glass jar (60ml)
B - bulk disturbed sample

idom merebrook
Offices:
Belper: 01773 829988
Keston: 01689 889980
email: consulting@merebrook.co.uk

Equipment and Methods
Premier windowless sample drilling rig

Window Sample No
MWS5
Sheet 1 of 1

Project Name	**Project No.**	**Co-ords**	**Hole Type**
Princes Parade	17436A1	-	WLS
Location: Hythe, Kent		**Level** 4.000	**Scale** 1:25
Client: Shepway District Council		**Dates:** 22/06/2015	**Logged By** GOB

Well	Water Strike	Samples & In Situ Testing: Depth (m)	Type	Results	Depth in metres (thickness)	Legend	Stratum Description
					0.20		Rough grasses over TOPSOIL composed of firm brown slightly sandy gravelly clayey SILT with frequent rootlets.
					0.40		Firm brown silty sandy gravelly CLAY.
					0.60		Medium dense brown sandy GRAVEL. Gravel fine to coarse sub angular t sub rounded.
		1.00	CPT	N=9 (1,2,2,2,2,3)	(2.00)		Firm greyish brown mottled orange CLAY with occasional sand and gravels.
	▽	2.00	CPT	N=12 (1,1,1,1,3,7)	2.60		Medium dense brown wet silty sandy GRAVEL.
					2.80		Soft grey clayey SILT.
		3.00	CPT	N=5 (1,1,1,1,1,2)	3.00		End of Window Sample at 3.00 m
			Type	Results			

Remarks:

IVN - in-situ hand vane
IPP - in-situ pocket penetrometer
SPT - in-situ standard penetration test
PID - in-situ photoionization detector

D - small disturbed sample (tub)
J - amber glass jar (250ml)
V - amber glass jar (60ml)
B - bulk disturbed sample

idom merebrook
Offices:
Belper: 01773 829988
Keston: 01689 889980
email: consulting@merebrook.co.uk

Equipment and Methods
Premier windowless sample drilling rig

Window Sample No
MWS6
Sheet 1 of 1

Project Name	**Project No.**	**Co-ords**	**Hole Type**
Princes Parade	17436A1	-	WLS
Location: Hythe, Kent		**Level** 5.000	**Scale** 1:25
Client: Shepway District Council		**Dates:** 23/06/2015	**Logged By** GOB

Well	Water Strike	Samples & In Situ Testing: Depth (m)	Type	Results	Depth in metres (thickness)	Legend	Stratum Description
					0.10		Rough grasses / shrubs over TOPSOIL composed of firm brown slightly sandy gravelly clayey SILT with frequent rootlets and occasional red brick fragments.
					0.30		MADE GROUND composed of dense brown sandy silty GRAVEL with occasional red brick and bituminous fragments. Gravels fine to coarse angular to sub angular.
		0.40-0.50	D,J		0.50		
					0.55		MADE GROUND composed of dark brown / brown sandy gravelly CLAY with occasional red brick and bituminous fragments.
					(0.40)		TARMAC LAYER
							MADE GROUND composed of greyish brown clayey gravelly SAND with frequent red brick and bituminous fragments.
					0.95		
		1.00	CPT	N=7 (2,3,2,2,2,1)	1.00		CONCRETE COBBLE
							MADE GROUND composed of soft black / beige sandy gravelly SILT with frequent red brick fragments, glass, ash and clinkers.
					(0.60)		
					1.60		MADE GROUND composed of loose dark brown / grey sandy GRAVELS with frequent clinkers.
		2.00	CPT	N=4 (1,1,1,1,1,1)	(0.90)		
					2.50		MADE GROUND composed of loose beige / yellow gravelly SAND.
					(0.40)		
					2.90		MADE GROUND composed of loose brown sandy GRAVEL with occasional concrete and bituminous fragments. Gravels fine to coarse sub angular to sub rounded of mixed lithologies.
		3.00	CPT	N=4 (1,1,2,2,0,0)	(0.70)		
	▽				3.60		MADE GROUND composed of black / dark brown loose clayey sandy GRAVEL. Gravel fine to coarse sub angular to sub rounded.
					(0.40)		
		4.00	CPT	N=8 (4,3,2,2,2,2)	4.00		Loose brown sandy GRAVEL. Gravel fine to coarse sub rounded to rounded.
					(0.80)		
					4.80		Soft to firm dark grey clayey sandy SILT.
			Type	Results			End of Window Sample at 5.00 m

Remarks:

IVN - in-situ hand vane
IPP - in-situ pocket penetrometer
SPT - in-situ standard penetration test
PID - in-situ photoionization detector

D - small disturbed sample (tub)
J - amber glass jar (250ml)
V - amber glass jar (60ml)
B - bulk disturbed sample

idom merebrook
Offices:
Belper: 01773 829988
Keston: 01689 889980
email: consulting@merebrook.co.uk

Equipment and Methods
Premier windowless sample drilling rig

Window Sample No
MWS7
Sheet 1 of 1

Project Name	**Project No.**	**Co-ords**	**Hole Type**
Princes Parade	17436A1	-	WLS
Location: Hythe, Kent		**Level** 6.000	**Scale** 1:25
Client: Shepway District Council		**Dates:** 24/06/2015	**Logged By** GOB

Well	Water Strike	Samples & In Situ Testing: Depth (m)	Type	Results	Depth in metres (thickness)	Legend	Stratum Description
					0.20		Rough grasses over TOPSOIL composed of firm brown slightly sandy gravelly clayey SILT with frequent rootlets.
					(0.70)		MADE GROUND composed of medium dense brown clayey sandy GRAVEL with occasional red brick fragments.
					1.10		MADE GROUND composed of firm dark grey gravelly CLAY with occasional red brick and bituminous fragments.
					(0.40)		MADE GROUND composed of soft brown / grey slightly sandy clayey SILT with red brick fragments, occasional bituminous fragments and lenses of clayey sand. Possible ashen odour.
					1.50		MADE GROUND composed of dark grey / dark brown clayey silty SAND with occasional gravels and red brick fragments.
					(2.00)		
					3.50		Soft dark grey slightly sandy clayey SILT.
					(0.30)		
					3.80		Medium dense dark brown clayey sandy GRAVEL. Gravel fine to coarse rounded to sub rounded, sand medium to coarse.
					(0.40)		
					4.20		Medium dense brown / dark brown sandy GRAVEL. Gravel fine to coarse rounded to sub rounded, sand medium to coarse.
					(0.80)		
			Type	Results			End of Window Sample at 5.00 m

1 2 3 4

Remarks:

IVN - in-situ hand vane
IPP - in-situ pocket penetrometer
SPT - in-situ standard penetration test
PID - in-situ photoionization detector

D - small disturbed sample (tub)
J - amber glass jar (250ml)
V - amber glass jar (60ml)
B - bulk disturbed sample

idom merebrook
Offices:
Belper: 01773 829988
Keston: 01689 889980
email: consulting@merebrook.co.uk

Equipment and Methods

Window Sample No
MWS7A
Sheet 1 of 1

Project Name
Princes Parade

Project No.
17436A1

Co-ords
-

Hole Type

Location: Hythe, Kent

Level
-

Scale
1:25

Client: Shepway District Council

Dates: -

Logged By

Well	Water Strike	Samples & In Situ Testing			Depth in metres (thickness)	Legend	Stratum Description
		Depth (m)	Type	Results			
							End of Window Sample at 0.00 m
		1.00	CPT	N=4 (1,1,1,1,1,1)			
		2.00	CPT	N=4 (1,1,1,1,1,1)			
		3.00	CPT	N=5 (1,1,1,1,1,2)			
		4.00	CPT	N=18 (5,4,4,4,4,6)			
			Type	Results			

Remarks:

IVN - in-situ hand vane
IPP - in-situ pocket penetrometer
SPT - in-situ standard penetration test
PID - in-situ photoionization detector

D - small disturbed sample (tub)
J - amber glass jar (250ml)
V - amber glass jar (60ml)
B - bulk disturbed sample

IDOM

Borehole Log

Borehole No. **CP101**

Sheet 1 of 3

Project Name:	Princes Parade	Project No. 22281	Co-ords:	618708E - 134866N	Scale 1:50
Location:	Hythe, Kent		Level (m):	7.37	Logged By SJM
Equipment:	SDA Site Investigation		Dates:	27/04/2021	Checked By

Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results	FI	TCR	SCR	RQD				
		0.50 - 1.00	B									MADE GROUND comprising soft brown slightly gravelly sandy clay. Gravels are coarse subangular brick. Sands are coarse.
		0.50 - 1.00	D									
		0.70	D									
		1.20	D									
		1.50 - 1.95	D						1.50	5.87		
		1.50 - 2.00	B									MADE GROUND comprising soft becoming firm dark grey very gravelly sandy clay. Gravels are coarse subangular brick, glass, plastic and wood. Sands are coarse.
		1.50 - 2.00	D									
		1.50	SPT(S)	N=5 (1,0/1,1,2,1)								
		2.50 - 2.95	D									
		2.50	SPT(S)	N=3 (1,0/0,1,1,1)								
		3.50 - 3.95	D									
		3.50	SPT(S)	N=6 (1,1/2,1,1,2)								
		4.50 - 4.95	D									
		4.50	SPT(S)	N=5 (1,0/0,1,2,2)								
		5.00 - 5.50	B						5.00	2.37		Loose brown sandy GRAVEL. Gravels are medium to coarse subrounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
		5.50 - 6.00	B									
		6.50	D						6.00	1.37		Soft grey slightly sandy silty CLAY. Sands are fine. [TIDAL FLAT DEPOSITS]
		7.00	D									
		7.50 - 8.00	B						7.50	-0.13		Very dense brown sandy GRAVEL. Gravels are medium to coarse subrounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
		7.50	SPT(C)	N=50 (10,12/50 for 275mm)								
		9.00 - 9.50	B									
		9.00	SPT(C)	50 (25 for 75mm/50 for 105mm)								
												Continued on Next Sheet

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. CP101

Sheet 2 of 3

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618708E - 134866N
Location:	Hythe, Kent		Level (m): 7.37
Equipment:	SDA Site Investigation		Dates: 27/04/2021

Scale 1:50

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results	FI	TCR	SCR	RQD				
		10.50	SPT(C)	N=3 (1,0/0,1,1,1)								Very dense brown sandy GRAVEL. Gravels are medium to coarse subrounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
									11.50	-4.13		Loose becoming dense brown gravelly SAND. Gravels are fine angular shell and flint. Sands are medium. [STORM BEACH DEPOSITS]
		12.00 - 12.50	B									
		12.00	SPT(C)	N=33 (5,6/7,7,9,10)								
									12.50	-5.13		Very stiff bluish grey silty CLAY. [WEALD CLAY FORMATION]
		12.80 - 13.30	B									
		13.50 - 13.95	U	Ublow=30								
		14.00	D									
		14.50	D									
		15.00 - 15.45	D									
		15.00	SPT(S)	N=30 (4,5/8,7,8,7)								
		16.00	D									
		16.50 - 16.95	U	Ublow=60								
		17.50	D									
		18.00 - 18.45	D									
		18.00	SPT(S)	N=41 (6,9/10,10,10,11)								
		19.00	D									
		19.50 - 19.95	U	Ublow=50								
		20.00	D									Continued on Next Sheet

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. **CP101**

Sheet 3 of 3

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618708E - 134866N
Location:	Hythe, Kent		Level (m): 7.37
Equipment:	SDA Site Investigation		Dates: 27/04/2021

Scale 1:50

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results	FI	TCR	SCR	RQD				
		20.50	D									Very stiff bluish grey silty CLAY. [WEALD CLAY FORMATION]
		21.00 - 21.45 21.00	D SPT(S)	N=38 (5,6/8,8,10,12)								
		22.00	D									
		22.50 - 22.95	U	Ublow=80								
		23.00	D									
		23.40	D									
		24.00 - 24.45 24.00	D SPT(S)	N=48 (5,8/11,11,12,14)								
		25.00	D									
		25.50 - 25.95	U	Ublow=100								
		26.00	D									
		26.50	D									
		27.00 - 27.45 27.00 - 27.50 27.00	B B SPT(S)	50 (12,13/50 for 105mm)					26.60	-19.23		Blueish grey SILTSTONE. [WEALD CLAY FORMATION]
		28.00 - 28.45	B									
		28.50	SPT(S)	50 (16,9/50 for 70mm)					28.45	-21.08		End of Borehole at 28.45m

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. **CP102**

Sheet 1 of 3

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618676E - 134837N
Location:	Hythe, Kent		Level (m): 7.18
Equipment:	SDA Site Investigation		Dates: 22/04/2021

Scale 1:50

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing Depth (m)	Type	Results	Coring FI	TCR	SCR	RQD	Depth (m)	Level (m)	Legend	Stratum Description
		0.20	D									Dry vegetation overlying MADE GROUND comprising soft brown gravelly sandy clay. Gravels are medium to coarse angular brick and concrete. Sands are coarse.
		0.50 - 1.00	B									
		0.70	D									
		1.20	D									
		1.50 - 1.95	D						1.50	5.68		
		1.50 - 2.00	B									MADE GROUND comprising firm brown very gravelly sandy clay. Gravels are coarse subangular brick, glass, plastic and wood. Sands are coarse.
		1.50	SPT(S)	N=7 (1,2/2,2,3,0)								
		2.50 - 2.95	D									
		2.50	SPT(S)	N=3 (1,0/0,1,2,0)								
		3.50 - 4.00	B						3.00	4.18		Loose brown slightly sandy GRAVEL. Gravels are fine to medium subrounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
		3.50	SPT(S)	N=9 (2,2/3,3,3,0)								
		4.50 - 5.00	B									
		4.50	SPT(S)	N=13 (2,3/4,4,5,0)								
		5.50 - 6.00	B						5.50	1.68		Stiff becoming very soft grey slightly sandy CLAY. Sands are medium. [TIDAL FLAT DEPOSITS]
		6.00 - 6.45	D									
		6.00 - 6.50	B									
		6.00	SPT(S)	N=1 (1,0/0,1,0,0)								
		7.00	D									
		7.50 - 7.95	D									
		7.50 - 8.00	B									
		7.50	SPT(S)	N=4 (1,0/1,0,1,2)					7.95	-0.77		Dense brown medium to coarse subrounded flint GRAVEL. [STORM BEACH DEPOSITS]
		9.00 - 9.50	B									
		9.00	SPT(C)	N=41 (2,5/8,8,10,15)								
		10.00 - 10.50	B						10.00	-2.82		Continued on Next Sheet

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. CP102

Sheet 2 of 3

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618676E - 134837N
Location:	Hythe, Kent		Level (m): 7.18
Equipment:	SDA Site Investigation		Dates: 22/04/2021

Scale 1:50

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results	FI	TCR	SCR	RQD				
		10.50 - 11.00 10.50	B SPT(C)	N=50 (8,10/50 for 275mm)								Very dense yellowish brown gravelly SAND. Gravels are medium to coarse subrounded flint. Sands are coarse. [ATHERFIELD CLAY FORMATION]
		12.00 - 12.50 12.00	B SPT(C)	N=27 (2,4/5,7,6,9)					12.00	-4.82		Medium dense greenish brown slightly gravelly SAND. Gravels are fine to coarse subrounded to angular flint and shells. Sands are coarse. [STORM BEACH DEPOSITS]
		13.00	D						13.00	-5.82		Stiff becoming hard bluish grey silty CLAY. [WEALD CLAY FORMATION]
		13.50 - 13.95 13.50	D SPT(S)	N=11 (3,2/2,2,3,4)								
		14.00 - 14.50	B									
		15.00 - 15.45 15.00	D SPT(S)	N=29 (3,3/7,7,8,7)								
		16.00	D									
		16.50 - 16.95	U	Ublow=60								
		17.00	D									
		17.50	D									
		18.00 - 18.45 18.00	D SPT(S)	N=50 (6,10/50 for 275mm)								
		19.00	D									
		19.50 - 19.95	U	Ublow=80								
		20.00	D									Continued on Next Sheet

11 12 13 14 15 16 17 18 19 20

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. CP102

Sheet 3 of 3

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618676E - 134837N
Location:	Hythe, Kent		Level (m): 7.18
Equipment:	SDA Site Investigation		Dates: 22/04/2021

Scale 1:50

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results	FI	TCR	SCR	RQD				
												Stiff becoming hard bluish grey silty CLAY. [WEALD CLAY FORMATION]
		20.50	D									
		21.00 - 21.45	D									
		21.00	SPT(S)	N=38 (6,8/9,7,10,12)								
		22.00	D									
		22.50	D									
		22.50 - 22.95	U	Ublow=70								
		23.00	D									
		23.50	D									
		24.00 - 24.45	D									
		24.00	SPT(S)	N=41 (5,8/9,10,10,12)								
		25.50 - 25.95	U	Ublow=100								
		26.00	D									
		26.50 - 26.60	D						26.50	-19.32		
		26.50 - 27.00	B						26.60	-19.42		Dark bluish grey gravelly sandy MUDSTONE. Gravels are medium angular shells. Sands are coarse. [WEALD CLAY FORMATION]
												Blueish grey SILTSTONE. [WEALD CLAY FORMATION]
		27.00 - 27.45	D									
		27.00	SPT(S)	50 (25 for 95mm/50 for 70mm)								
									27.45	-20.27		End of Borehole at 27.45m

21 22 23 24 25 26 27 28 29 30

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. **CP103**

Sheet 1 of 4

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618471E - 134816N
Location:	Hythe, Kent		Level (m): 6.66
Equipment:	CC Drilling Services, Rig Number: CP03		Dates: 19/04/2021

Scale 1:50

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results	FI	TCR	SCR	RQD				
		0.50 - 0.60	B									Dry vegetation overlying MADE GROUND comprising soft brown gravelly sandy silty clay. Gravels are medium subangular flint and brick. Sands are coarse.
		1.00 - 1.20	B									
		1.20 - 1.60 1.20	B SPT(C)	N=6 (1,1/1,2,1,2)					1.10	5.56		MADE GROUND comprising firm dark brown gravelly sandy clay. Gravels are coarse angular brick, flint, glass, wood and cloth. Sands are coarse.
		2.20 - 2.60 2.20	B SPT(C)	N=6 (1,0/1,1,2,2)								
		3.20 - 3.60 3.20	B SPT(C)	N=6 (1,0/1,2,2,1)								
		4.20 - 4.60 4.20	B SPT(C)	N=7 (1,1/1,1,2,3)								
		4.60 - 4.80	B						4.60	2.06		Firm becoming soft dark grey very silty CLAY [TIDAL FLAT DEPOSITS]
		5.20 - 5.60 5.20	B SPT(S)	N=3 (1,0/1,0,1,1)								
		6.00 - 6.45 6.00	D SPT(S)	N=6 (1,1/1,1,1,3)								
		6.40 - 6.70	B						6.40	0.26		Loose black GRAVEL. Gravels are medium subrounded flint. [STORM BEACH DEPOSITS]
		7.50 - 7.95 7.50	B SPT(C)	67 (4,9/67 for 195mm)					7.50	-0.84		Loose becoming very dense dark becoming very dense brown sandy GRAVEL. Gravels are medium subrounded flint. [STORM BEACH DEPOSITS]
		9.00 - 9.40 9.00	B SPT(C)	97 (25 for 125mm/97 for 125mm)								
												Continued on Next Sheet

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. **CP103**

Sheet 2 of 4

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618471E - 134816N
Location:	Hythe, Kent		Level (m): 6.66
Equipment:	CC Drilling Services, Rig Number: CP03		Dates: 19/04/2021

Scale 1:50

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing Depth (m)	Type	Results	Coring FI	TCR	SCR	RQD	Depth (m)	Level (m)	Legend	Stratum Description
												Loose becoming very dense dark becoming very dense brown sandy GRAVEL. Gravels are medium subrounded flint. [STORM BEACH DEPOSITS]
		10.50 - 10.95	B									
		10.50	SPT(C)	N=80 (5,7/80 for 245mm)					10.60	-3.94		
									10.60	-3.94		Very dense brown GRAVEL. Gravels are medium rounded to subangular flint. [STORM BEACH DEPOSITS]
												Very dense becoming medium dense greenish brown gravelly SAND. Gravels are fine subangular shells. Sands are fine to coarse.
		12.00 - 12.40	B									
		12.00	SPT(C)	N=67 (3,4/7,15,19,26)								
		13.50 - 13.95	D									
		13.50	SPT(S)	N=14 (8,6/3,3,3,5)								
		14.40 - 14.60	B						14.40	-7.74		
		14.60	D						14.60	-7.94		Dark bluish grey gravelly sandy MUDSTONE. Gravels are medium angular shells. Sands are coarse. [ATHERFIELD CLAY FORMATION]
		14.60 - 15.00	B									Hard dark bluish grey slightly gravelly silty CLAY. Gravels are fine subangular shells. [WEALD CLAY FORMATION]
		15.00 - 15.45	U	Ublow=50								
		15.50	D									
		16.50 - 16.95	D									
		16.50	SPT(S)	N=39 (6,8/8,10,10,11)								
		18.00 - 18.45	U	Ublow=58								
		18.50	D									
		19.50 - 19.95	D									
		19.50	SPT(S)	76 (9,14/76 for 170mm)								

Continued on Next Sheet

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. **CP103**

Sheet 3 of 4

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618471E - 134816N
Location:	Hythe, Kent		Level (m): 6.66
Equipment:	CC Drilling Services, Rig Number: CP03		Dates: 19/04/2021

Scale 1:50

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results	FI	TCR	SCR	RQD				
												Hard dark bluish grey slightly gravelly silty CLAY. Gravels are fine subangular shells. [WEALD CLAY FORMATION]
		21.00 - 21.45	U	Ublow=62								
		21.50	D									
		22.50 - 22.95	D									
		22.50	SPT(S)	N=50 (9,12/10,13,13,14)								
									22.95	-16.29		Hard laminated dark bluish grey slightly gravelly silty CLAY. Gravels are medium subangular shells. [WEALD CLAY FORMATION]
		24.00 - 24.45	U	Ublow=84								
		24.50	D									
		25.50 - 25.95	D									
		25.50	SPT(S)	N=73 (6,11/12,19,21,21)								
		27.00 - 27.45	D									
		27.00	SPT(S)	N=80 (7,12/14,22,22,22)								
		28.50 - 28.95	D									
		28.50	SPT(S)	N=76 (10,13/15,18,21,22)								
		29.10 - 29.30	B						29.10	-22.44		Hard bluish grey slightly gravelly slightly sandy silty CLAY. Gravels are medium subangular shells. Sands are present as nodules of medium to coarse sand. [WEALD CLAY FORMATION]
		30.00 - 30.45	D									
												Continued on Next Sheet

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. **CP103**

Sheet 4 of 4

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618471E - 134816N
Location:	Hythe, Kent		Level (m): 6.66
Equipment:	CC Drilling Services, Rig Number: CP03		Dates: 19/04/2021

Scale 1:50

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing Depth (m)	Type	Results	Coring FI	TCR	SCR	RQD	Depth (m)	Level (m)	Legend	Stratum Description
		30.00	SPT(S)	N=98 (25 for 100mm/98 for 255mm)								Hard bluish grey slightly gravelly slightly sandy silty CLAY. Gravels are medium subangular shells. Sands are present as nodules of medium to coarse sand. [WEALD CLAY FORMATION]
		31.20 - 31.50	B									
		31.50 - 31.95	D									
		31.50	SPT(S)	N=55 (10,14/13,13,14,15)								
		33.00 - 33.45	D									
		33.00	SPT(S)	N=62 (25 for 120mm/14,11,15,22)								
		34.50 - 34.95	D									
		34.50	SPT(S)	N=99 (25 for 75mm/24,24,25,26)								
									35.00	-28.34		End of Borehole at 35.00m

31 32 33 34 35 36 37 38 39 40

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No.: CP104a

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618246E - 134790N
Location:	Hythe, Kent		Level (m): 6.84
Equipment:	SDA Site Investigation		Dates: 12/04/2021

Scale: 1:50

Logged By: SJM

Checked By:

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Coring: FI	TCR	SCR	RQD	Depth (m)	Level (m)	Legend	Stratum Description
		0.20	D									Dry vegetation overlying MADE GROUND comprising soft borwn gravelly sandy clay. Gravels are medium angular brick, flint, metal, glass and wood. Sands are coarse.
		0.50 - 1.00	B									
		0.70	D									
		1.20	D									
		1.50 - 1.95	D									
		1.50	SPT(S)	N=10 (1,1/2,2,2,4)					2.00	4.84		End of Borehole at 2.00m

1 2 3 4 5 6 7 8 9 10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No.: CP104b

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords:	618248E - 134788N	Scale 1:50
Location:	Hythe, Kent		Level (m):	6.84	Logged By SJM
Equipment:	SDA Site Investigation		Dates:	12/04/2021	Checked By

Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results	FI	TCR	SCR	RQD				
		0.20	D									Dry vegetation overlying MADE GROUND comprising soft borwn gravelly sandy clay. Gravels are medium angular brick, flint, metal, glass and wood. Sands are coarse.
		0.50 - 1.00	B									
		0.70	D									
		1.20	D									
		1.50 - 1.95	D						1.50	5.34		
		1.50	SPT(S)	0 (26 for 95mm/0 for 0mm)								End of Borehole at 1.50m

1 2 3 4 5 6 7 8 9 10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. **CP104c**

Sheet 1 of 4

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618258E - 134783N
Location:	Hythe, Kent		Level (m): 6.84
Equipment:	SDA Site Investigation		Dates: 13/04/2021

Scale 1:50

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Coring: FI	TCR	SCR	RQD	Depth (m)	Level (m)	Legend	Stratum Description
		0.20	D									Dry vegetation overlying MADE GROUND comprising soft borwn gravelly sandy clay. Gravels are medium angular brick, flint, metal, glass and wood. Sands are coarse.
		0.50 - 1.00	B									
		0.70	D									
		1.20	D									
		1.50 - 1.95	D									
		1.50	SPT(S)	N=5 (1,1/2,1,1,1)								
		2.50 - 2.95	D									
		2.50	SPT(S)	3 (1 for 75mm/3 for 225mm)								
		3.50 - 3.95	D									
		3.50	SPT(S)	3 (3,1/3 for 225mm)								
		4.50 - 4.95	D									
		4.50	SPT(S)	N=7 (1,1/2,3,1,1)								
		5.50 - 6.00	B						5.50	1.34		Loose brown slightly clayey GRAVEL. Gravels are medium to coarse subrounded flint. [STORM BEACH DEPOSITS]
		6.00 - 6.45	D						6.00	0.84		Loose becoming very loose brown coarse subrounded flint GRAVEL. [STORM BEACH DEPOSITS]
		6.00 - 6.50	B									
		6.00	SPT(C)	N=8 (1,1/2,2,2,2)								
		7.50 - 7.95	D									
		7.50 - 8.00	B									
		7.50	SPT(C)	1 (1 for 75mm/1 for 75mm)								
		9.00 - 9.45	D						9.00	-2.16		Very dense brown coarse subrounded flint GRAVEL with flint cobbles. [STORM BEACH DEPOSITS]
		9.00 - 9.50	B									
		9.00	SPT(C)	51 (25 for 95mm/51 for 135mm)								
		10.00 - 10.50	B						10.00	-3.16		Continued on Next Sheet

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. **CP104c**

Sheet 2 of 4

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618258E - 134783N
Location:	Hythe, Kent		Level (m): 6.84
Equipment:	SDA Site Investigation		Dates: 13/04/2021

Scale 1:50

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results	FI	TCR	SCR	RQD				
		10.50 - 10.95	D									Very dense becoming dense brown gravelly SAND. Gravels are fine subangular shells. Sands are coarse. [STORM BEACH DEPOSITS]
		10.50 - 11.00	B									
		10.50	SPT(C)	0 (1 for 75mm/0 for 0mm)								
		11.50	D									
		12.00 - 12.45	D									
		12.00	SPT(S)	N=31 (2,2/4,6,10,11)								
		13.50 - 13.95	D						13.50	-6.66		Dark bluish grey slightly gravelly slightly sandy CLAY. Gravels are medium angular shells. Sands are coarse. [ATHERFIELD CLAY FORMATION]
		13.50 - 14.00	B									
		13.50	SPT(C)	50 (8,10/50 for 60mm)								
		14.00 - 14.50	B						14.00	-7.16		Blueish grey SILTSTONE. [WEALD CLAY FORMATION]
		15.00 - 15.45	U	Ublow=35					14.50	-7.66		Hard bluish grey silty CLAY. [WEALD CLAY FORMATION]
		15.50	D									
		16.00	D									
		16.50 - 16.95	D									
		16.50	SPT(S)	N=43 (4,7/8,10,11,14)								
		17.50	D									
		18.00 - 18.45	U	Ublow=100								
		18.50	D									
		19.00	D									
		19.50 - 19.95	D									
		19.50	SPT(S)	50 (6,9/50 for 175mm)								
												Continued on Next Sheet

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. CP104c

Sheet 3 of 4

Project Name:	Princes Parade	Project No. 22281	Co-ords:	618258E - 134783N	Scale 1:50
Location:	Hythe, Kent		Level (m):	6.84	Logged By SJM
Equipment:	SDA Site Investigation		Dates:	13/04/2021	Checked By

Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results	FI	TCR	SCR	RQD				
												Hard bluish grey silty CLAY. [WEALD CLAY FORMATION]
		20.50	D									
		21.00 - 21.45	U	Ublow=100								
		21.50	D									
		22.00	D									
		22.50 - 22.95 22.50	D SPT(S)	N=45 (4,7/8,10,12,15)								
		23.50	D									
		24.00 - 24.45	U	Ublow=90								
		24.50	D									
		25.00	D									
		25.50 - 25.95 25.50	D SPT(S)	N=41 (8,8/8,12,11,10)								
		26.50	D									
		27.00 - 27.45 27.00	D SPT(S)	N=50 (8,10/50 for 275mm)								
		28.00	D									
		28.50 - 28.95 28.50	D SPT(S)	50 (9,11/50 for 190mm)								
		29.50	D									
		30.00 - 30.45	D									Continued on Next Sheet

21 22 23 24 25 26 27 28 29 30

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No.
CP104c
Sheet 4 of 4

Project Name:	Princes Parade	Project No. 22281	Co-ords:	618258E - 134783N	Scale 1:50
Location:	Hythe, Kent		Level (m):	6.84	Logged By SJM
Equipment:	SDA Site Investigation		Dates:	13/04/2021	Checked By

Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results	FI	TCR	SCR	RQD				
		30.00	SPT(S)	50 (10,13/50 for 210mm)								Hard bluish grey silty CLAY. [WEALD CLAY FORMATION]
		31.00	D									
		31.50 - 31.95	D									
		31.50	SPT(S)	N=50 (7,11/50 for 230mm)								
		32.50	D									
		33.00 - 33.45	D									
		33.00	SPT(S)	N=50 (5,10/50 for 275mm)								
		34.00	D									
		34.50 - 34.95	D									
		34.50	SPT(S)	N=50 (6,12/50 for 235mm)								
									35.00	-28.16		Hard laminated dark blue gravelly silty CLAY. Gravels are medium angular shells. [WEALD CLAY FORMATION]
									35.00	-28.16		End of Borehole at 35.00m

31 32 33 34 35 36 37 38 39 40

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. **CP105**

Sheet 1 of 4

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618144E - 134735N
Location:	Hythe, Kent		Level (m): 7.52
Equipment:	CC Drilling Services, Rig Number: CP03		Dates: 12/04/2021

Scale 1:50

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing Depth (m)	Type	Results	Coring FI	TCR	SCR	RQD	Depth (m)	Level (m)	Legend	Stratum Description
		0.30 - 0.50	B									Dry vegetation overlying MADE GROUND comprising soft to firm brown gravelly silty clay with rootlets. Gravels are coarse angular brick and plastic.
		0.60 - 1.40	B						0.60	6.92		CONCRETE.
		1.50 - 1.90 1.50	B SPT(C)	N=6 (1,1/1,2,1,2)					1.50	6.02		MADE GROUND comprising soft brown gravelly clay. Gravels are medium angular brick and plastic.
		2.50 - 2.90 2.50	B SPT(C)	N=5 (1,0/1,1,1,2)					2.60	4.92		MADE GROUND comprising soft dark grey slightly sandy clay. Sands are coarse.
		3.50 - 3.95 3.50 3.80 - 4.00	D SPT(S) B	N=3 (1,0/1,0,1,1)					3.80	3.72		MADE GROUND comprising loose brown sandy sightly clayey gravel. Gravels are medium to coarse subrounded flint, brick and plastic. Sands are coarse.
		4.50 - 4.80	B						4.50	3.02		Loose brown slightly sandy GRAVEL. Gravels are fine to medium subrounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
		4.80 4.80 5.00 - 5.40	D SPT(C) B	N=8 (1,1/1,2,2,3)					4.80 5.00 5.00	2.72 2.52 2.52		brown slightly sandy GRAVEL. Gravels are fine to medium subrounded flint. Sands are coarse. [STORM BEACH DEPOSITS] Firm grey gravelly CLAY. Gravels are fine subangular flint. [TIDAL FLAT DEPOSITS]
		5.50 - 5.90	B									Firm brown slightly gravelly slightly sandy CLAY. Gravels are fine angular shells and flint. Sands are coarse. [STORM BEACH DEPOSITS]
		6.00	SPT(C)	N=12 (2,2/2,3,3,4)					5.90	1.62		Loose becoming very dense brown GRAVEL. Gravels are medium to coarse subrounded flint. [STORM BEACH DEPOSITS]
		7.50 - 7.90 7.50	B SPT(C)	N=50 (4,7/11,17,21,1)								
		9.00 - 9.40 9.00	B SPT(C)	68 (5,11/68 for 215mm)								
												Continued on Next Sheet

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. **CP105**

Sheet 2 of 4

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618144E - 134735N
Location:	Hythe, Kent		Level (m): 7.52
Equipment:	CC Drilling Services, Rig Number: CP03		Dates: 12/04/2021

Scale 1:50

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing Depth (m)	Type	Results	Coring FI	TCR	SCR	RQD	Depth (m)	Level (m)	Legend	Stratum Description
		10.50 - 10.90	B									Loose becoming very dense brown GRAVEL. Gravels are medium to coarse subrounded flint. [STORM BEACH DEPOSITS]
		10.50	SPT(C)	81 (5,8/81 for 180mm)					10.80	-3.28		Very dense brown sandy GRAVEL. Gravels are fine to medium subrounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
		11.40 - 11.80	B						11.40	-3.88		Very dense brown gravelly SAND. Gravels are fine subrounded flint and shells. Sands are medium. [STORM BEACH DEPOSITS]
		12.00 - 12.45	D									
		12.00 - 12.50	B									
		12.00	SPT(S)	79 (5,9/79 for 175mm)								
		13.30 - 13.50	B						13.30	-5.78		Dense greenish brown slightly gravelly SAND. Gravels are medum subangular to subrounded shells and flint. Sands are fine.
		13.50 - 13.95	D									
		13.50 - 14.00	B									
		13.50	SPT(S)	N=38 (3,4/6,9,10,13)								
		15.00 - 15.40	B									
		15.00 - 15.45	D									
		15.00	SPT(S)	N=39 (2,3/6,9,11,13)								
		16.00 - 16.40	B						16.00	-8.48		Dark bluish grey gravelly sandy MUDSTONE. Gravels are medium angular shells. Sands are coarse. [ATHERFIELD CLAY FORMATION]
		16.40	D						16.40	-8.88		Very stiff laminated dark blue silty CLAY. [WEALD CLAY FORMATION]
		16.50 - 16.95	D									
		16.50	SPT(S)	N=24 (3,4/4,6,6,8)								
		17.00 - 17.50	B									
		18.00 - 18.45	U	Ublow=58					18.00	-10.48		Hard laminated dark blue gravelly silty CLAY. Gravels are medium angular shells. [WEALD CLAY FORMATION]
		18.50	D									
		19.00 - 19.50	B									
		19.50 - 19.95	D									
		19.50	SPT(S)	N=43 (7,11/9,8,11,15)								

Continued on Next Sheet

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. **CP105**

Sheet 3 of 4

Project Name:	Princes Parade	Project No. 22281	Co-ords:	618144E - 134735N	Scale 1:50
Location:	Hythe, Kent		Level (m):	7.52	Logged By SJM
Equipment:	CC Drilling Services, Rig Number: CP03		Dates:	12/04/2021	Checked By

Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results	FI	TCR	SCR	RQD				
												Hard laminated dark blue gravelly silty CLAY. Gravels are medium angular shells. [WEALD CLAY FORMATION]
		21.00 - 21.45	U	Ublow=70								
		21.50	D									
		22.00 - 22.50	B									
		22.50 - 22.95 22.50	D SPT(S)	N=73 (8,10/11,18,20,24)								
		24.00 - 24.45	U	Ublow=57								
		24.50	D									
		25.00 - 25.50	B									
		25.50 - 25.95 25.50	D SPT(S)	N=40 (9,9/9,9,10,12)								
		27.00 - 27.45	U	Ublow=95								
		27.50	D									
		28.00 - 28.50	B									
		28.50 - 28.95 28.50	D SPT(S)	70 (10,15/70 for 175mm)								
		30.00 - 30.45	D									Continued on Next Sheet

21 22 23 24 25 26 27 28 29 30

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

Borehole Log

			Borehole No. CP105
			Sheet 4 of 4
Project Name:	Princes Parade	Project No. 22281	Co-ords: 618144E - 134735N
Location:	Hythe, Kent		Level (m): 7.52
Equipment:	CC Drilling Services, Rig Number: CP03		Dates: 12/04/2021

Scale 1:50

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing Depth (m)	Type	Results	Coring FI	TCR	SCR	RQD	Depth (m)	Level (m)	Legend	Stratum Description
		30.00	SPT(S)	84 (25 for 120mm/84 for 195mm)								Hard laminated dark blue gravelly silty CLAY. Gravels are medium angular shells. [WEALD CLAY FORMATION]
		31.00 - 31.45	B									
		31.50 - 31.95	D									
		31.50	SPT(S)	50 (25 for 145mm/50 for 125mm)								
		33.00 - 33.45	D									
		33.00	SPT(S)	N=84 (11,14/17,21,22,24)								
		34.00 - 34.50	B									
		34.50 - 34.95	D									
		34.50	SPT(S)	N=88 (12,13/15,24,24,25)					35.00	-27.48		End of Borehole at 35.00m

31 32 33 34 35 36 37 38 39 40

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Borehole Log

Borehole No. **CP106**

Sheet 1 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618025E - 134718N
Location:	Hythe, Kent		Level (m): 7.19
Equipment:	CC Drilling Services, Rig Number: CP03		Dates: 29/03/2021

Scale 1:50

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing Depth (m)	Type	Results	Coring FI	TCR	SCR	RQD	Depth (m)	Level (m)	Legend	Stratum Description
		0.50 - 0.70	B									Dry vegetation overlying MADE GROUND comprising soft to firm brown gravelly silty clay with rootlets. Gravels are coarse angular brick, plastic and bone.
		1.00 - 1.45	D									
		1.45	SPT(S)	N=5 (1,1/1,1,1,2)								
		1.50 - 1.70	B									
		2.00 - 2.40	B									
		2.00 - 2.45	D									
		2.45	SPT(S)	N=5 (2,2/2,1,1,1)								
		2.60 - 2.90	B						2.60	4.58		MADE GROUND comprising soft dark grey mottled greenish grey gravelly sandy clay. Gravels are medium angular brick and plastic. Sands are medium.
		3.00 - 3.45	D									
		3.45	SPT(S)	N=3 (1,0/1,0,1,1)								
		3.70 - 4.00	B						3.70	3.48		MADE GROUND comprising soft becoming firm black gravelly sandy clay. Gravels are medium subangular to subrounded flint, plastic and brick. Sands are medium.
		4.00 - 4.40	B									
		4.45	SPT(C)	N=8 (1,0/1,2,2,3)								
		4.80 - 5.00	B						4.80	2.38		Firm dark grey mottled greenish grey soft to firm silty CLAY. [TIDAL FLAT DEPOSITS]
		5.00 - 5.45	U	Ublow=22								
		5.50	D									
		5.60 - 5.80	B						5.60	1.58		Loose becoming medium dense brown GRAVEL. Gravels are medium subrounded flint. [STORM BEACH DEPOSITS]
		5.80 - 6.00	B									
		6.00 - 6.40	B									
		6.00	SPT(C)	N=7 (2,1/1,2,2,2)								
		7.50 - 7.90	B									
		7.50	SPT(C)	N=24 (2,2/4,4,6,10)								
		8.70 - 9.00	B						8.70	-1.52		Very dense brown SAND and GRAVEL. Gravels are medium subrounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
		9.00 - 9.40	B									
		9.00	SPT(C)	N=50 (6,8/50 for 290mm)								
		9.50 - 10.00	B						9.40	-2.22		Very dense greyish brown gravelly SAND. Gravels are medium subrounded flint. Sands are fine to coarse. [STORM BEACH DEPOSITS]
												Continued on Next Sheet

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

Borehole Log

IDOM

Project Name:	Princes Parade	Project No. 22281	Borehole No. CP106
Location:	Hythe, Kent	Co-ords: 618025E - 134718N	Sheet 2 of 2
Equipment:	CC Drilling Services, Rig Number: CP03	Level (m): 7.19	Scale 1:50
		Dates: 29/03/2021	Logged By SJM
			Checked By

Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results	FI	TCR	SCR	RQD				
		10.50 - 10.70 10.50	B SPT(C)	50 (25 for 110mm/50 for 115mm)								Very dense greyish brown gravelly SAND. Gravels are medium subrounded flint. Sands are fine to coarse. [STORM BEACH DEPOSITS]
		12.00 - 12.40 12.00	B SPT(C)	50 (25 for 145mm/50 for 130mm)								
		12.30 - 12.70	B						12.30	-5.12		Dark bluish grey gravelly sandy MUDSTONE. Gravels are medium angular shells. Sands are coarse.
		12.70 - 13.00	B						12.70	-5.52		Dense becoming very dense greenish brown slightly gravelly SAND. Gravels are fine subangular shell fragments. Sands are fine.
		13.50 - 14.00 13.50	B SPT(C)	N=41 (3,5/7,9,11,14)								
		14.50 - 15.00	B									
		15.00 - 15.45 15.00	D SPT(S)	N=47 (3,5/8,12,13,14)								
		16.00 - 16.50	B									
		16.50 - 16.70 16.50	D SPT(S)	50 (19,6/50 for 45mm)					16.60 16.90	-9.41 -9.72		Dark bluish grey gravelly sandy MUDSTONE. Gravels are medium angular shells. Sands are coarse. [ATHERFIELD CLAY FORMATION] End of Borehole at 16.70m

11 12 13 14 15 16 17 18 19 20

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)

HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)
FI = fracture index
TCR = total core recovery
SCR = solid core recovery
RQD = rock quality designation

Remarks

Coordinates and levels, where indicated, must not be used for design purposes.
The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

TRIAL PIT LOG

TrialPit No
TP101
Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618802.00 - 134868.00 Level: 6.49
Date	07/04/2021		
Location:	Hythe, Kent	Dimensions (m): 3.40 x 0.60	Scale 1:25
Equipment:	Mechanical backhoe excavator	Depth 3.40	Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Grass overlying MADE GROUND comprising dark brown gravelly slightly sandy clay. Gravels are fine to coarse brick, concrete, flint and bituminous surfacing. Sands are fine to medium.
							Angular boulder of bituminous surfacing.
				0.40	6.08		MADE GROUND comprising brown slightly gravelly slightly sandy clay. Gravels are fine to coarse brick, concrete and bituminous surfacing. Sands are coarse.
				0.70	5.78		MADE GROUND comprising dark brown to brownish orange gravelly slightly clayey sand with rare cobbles. Gravels are fine to coarse angular to subangular brick, concrete, ceramic, flint, glass bottles and rare wood. Cobbles are angular brick and concrete. Sands are medium to coarse.
	0.80	D,J					*Electric cable within plastic ducting.*
				1.55	4.93		MADE GROUND comprising brown slightly gravelly clay. Gravels are fine to coarse angular brick, concrete and flint. Sands are fine.
	1.60	D,J		1.70	4.78		MADE GROUND comprising dark brown to brownish orange gravelly slightly clayey sand with rare cobbles. Gravels are fine to coarse angular to subangular brick, concrete, ceramic, flint, glass bottles and rare wood. Cobbles are angular brick and concrete. Sands are medium to coarse.
				2.40	4.08		MADE GROUND comprising brown slightly gravelly clay. Gravels are fine to coarse angular brick, concrete and flint. Sands are fine.
				2.70	3.78		Brown slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. Sands are fine. [STORM BEACH DEPOSITS]
	3.00	D,J					
				3.40	3.08		End of Pit at 3.400m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit walls collapsed between 2.7m and 3.4m bgl.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP102
Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618779.00 - 134886.00 Level: 6.81
Date	08/04/2021		
Location:	Hythe, Kent	Dimensions (m): 3.60 x 0.60 Depth 4.00	Scale 1:25
Equipment:	Mechanical backhoe excavator		Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Grass overlying MADE GROUND comprising soft dark brown slightly gravelly slightly sandy clay with rootlets. Gravels are fine to coarse angular to rounded flint and brick. Sands are fine.
				0.40	6.41		*Hard plastic panel (1m by 1m).*
	0.80	D,J					MADE GROUND comprising soft brown slightly gravelly sandy clay with occasional cobbles. Gravels are fine to coarse angular brick, concrete, flint, rare metal, plastic and glass. Cobbles are angular brick and concrete. Sands are fine.
	2.20	D,J		2.10	4.71		MADE GROUND comprising soft yellowish brown very slightly gravelly slightly sandy clay. Gravels are fine to coarse angular brick, concrete and flint. Sands are fine.
	2.80	D,J		2.60	4.21		MADE GROUND comprising greyish brown to brownish orange slightly clayey gravelly sand with rare cobbles. Gravels are fine to coarse angular to subangular brick, concrete, ceramics, flint and glass. Cobbles are angular brick and concrete. Sands are medium to coarse.
				3.50	3.31		Brown slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. Sands are fine. [STORM BEACH DEPOSITS]
				4.00	2.81		End of Pit at 4.000m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit remained stable.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP103
Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618720.00 - 134873.00 Level: 7.29
Date	08/04/2021		
Location:	Hythe, Kent	Dimensions (m): 3.50 × 0.60 Depth 4.70	Scale 1:25
Equipment:	Mechanical backhoe excavator		Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.30	D,J					Grass overlying MADE GROUND comprising soft dark brown slightly gravelly slightly sandy clay with rootlets. Gravels are fine to medium angular to rounded flint and brick. Sands are fine.
				0.85	6.44		
	1.00	D,J					MADE GROUND comprising soft brown mottled dark grey slightly gravelly slightly sandy clay with rare cobbles. Gravels are fine to coarse angular brick, concrete and flint. Cobbles are angular concrete and bituminous surfacing. Sands are fine.
				1.40	5.89		
	1.50	D,J					MADE GROUND comprising greyish brown to brownish orange gravelly slightly clayey sand with rare cobbles. Gravels are fine to coarse angular to subangular brick, concrete, bituminous surfacing, ceramics, flint, glass bottles and rare plastic. Cobbles are angular brick and concrete. Sands are medium to coarse.
							Bundle of old electric wires.
				4.70	2.59		End of Pit at 4.700m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit remained stable.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No: TP104

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618702.00 - 134841.00
			Level: 7.40
Date	07/04/2021		
Location:	Hythe, Kent	Dimensions (m):	3.70 x 0.60
Scale	1:25		
Equipment:	Mechanical backhoe excavator	Depth	3.50
Logged	NJA	Checked	

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.20	7.20		Dry vegetation over TOPSOIL comprising soft dark brown slightly gravelly slightly sandy clay with rootlets. Gravels are fine to medium subangular to rounded flint. Sands are fine.
							MADE GROUND comprising soft dark brown slightly gravelly slightly sandy clay with rare cobbles. Gravels are fine to coarse angular brick, concrete and flint. Cobbles are angular concrete. Sands are fine.
							Plastic tube.
				0.70	6.70		MADE GROUND comprising brown very gravelly sand. Gravels are fine to coarse angular to rounded brick, flint and rare glass. Sands are fine to medium.
	0.90	D,J					
				1.20	6.20		MADE GROUND comprising soft dark brown slightly gravelly sandy clay with rare cobbles. Gravels are fine to coarse angular brick, concrete and flint. Cobbles are angular concrete. Sands are fine.
	2.20	D,J					
				2.80	4.60		Brown slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. Sands are fine. [STORM BEACH DEPOSITS]
				3.50	3.90		End of Pit at 3.500m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Pit walls collapsed between 2.8m and 3.5m bgl.

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No: TP105

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618670.00 - 134845.00
Level:	7.62	Date	07/04/2021
Location:	Hythe, Kent	Dimensions (m): 3.40 x 0.60, Depth 4.50	Scale 1:25
Equipment:	Mechanical backhoe excavator	Logged NJA	Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.30	D,J					Dry vegetation over TOPSOIL comprising soft dark brown slightly gravelly slightly sandy clay with rootlets. Gravels are fine to medium subangular to rounded flint. Sands are fine.
				0.80	6.82		MADE GROUND comprising soft dark brown slightly gravelly slightly sandy clay with rare cobbles. Gravels are fine to coarse angular brick, concrete and flint. Cobbles are angular concrete. Sands are fine.
	1.30	D,J		1.20	6.42		MADE GROUND comprising dark grey sandy gravel. Gravels are fine to coarse angular brick, concrete and bituminous surfacing. Sands are coarse.
				1.60	6.02		MADE GROUND comprising greyish brown to brownish orange gravelly slightly clayey sand with rare cobbles. Gravels are fine to coarse angular to subangular brick, concrete, bituminous surfacing, ceramics, flint, glass bottles and rare plastic. Cobbles are angular brick and concrete. Sands are medium to coarse.
	4.40	D,J		4.20	3.42		Brown slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. Sands are fine. [STORM BEACH DEPOSITS]
				4.50	3.12		End of Pit at 4.500m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Pit remained stable.

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP106
Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618659.00 - 134839.00 Level: 7.56
Date	07/04/2021		
Location:	Hythe, Kent	Dimensions (m): 3.60 x 0.60 Depth 4.10	Scale 1:25
Equipment:	Mechanical backhoe excavator		Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Dry vegetation over TOPSOIL comprising soft dark brown slightly gravelly slightly sandy clay with rootlets. Gravels are fine to medium subangular to rounded flint. Sands are fine.
				0.45	7.11		MADE GROUND comprising soft dark brown slightly gravelly slightly sandy clay with rare cobbles. Gravels are fine to coarse angular brick, concrete and flint. Cobbles are angular concrete. Sands are fine.
	0.60	D,J					*Angular boulder of concrete.*
				1.45	6.11		MADE GROUND comprising off-white gravelly clay. Gravels are fine to coarse angular chalk.
	1.50	D,J		1.70	5.86		MADE GROUND comprising dark brown to brownish orange gravelly slightly clayey sand with rare cobbles. Gravels are fine to coarse angular to subangular brick, concrete, ceramic, flint, glass bottles, rare charcoal, plastic and metal. Cobbles are angular brick. Sands are medium to coarse.
	2.00	D,J					*Angular boulder of concrete.*
				2.90	4.66		MADE GROUND comprising yellowish brown very slightly gravelly sand with a moderate chemical (medical / dental wash) odour. Gravels are fine to medium angular brick. Sands are fine to medium.
	3.00	D,J		3.10	4.46		MADE GROUND comprising dark brown to brownish orange gravelly slightly clayey sand with rare cobbles. Gravels are fine to coarse angular to subangular brick, concrete, ceramic, flint, glass bottles, rare charcoal, plastic and metal. Cobbles are angular brick. Sands are medium to coarse.
				3.50	4.06		Brown slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. Sands are fine. [STORM BEACH DEPOSITS]
				4.10	3.46		End of Pit at 4.100m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit walls collapsed between 3.5m and 4.1m bgl.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

TRIAL PIT LOG

TrialPit No: TP107
Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618531.00 - 134815.00
			Level: 7.57
			Date: 06/04/2021
Location:	Hythe, Kent	Dimensions (m): Depth 4.00	0.45 × 2.50
			Scale: 1:25
Equipment:	10 ton mechanical excavator		Logged: SJM; Checked:

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Grass and nettles overlying MADE GROUND comprising dark brown slightly gravelly slightly sandy clay. Gravels are medium subangular flint and brick. Sands are coarse.
				1.00	6.57		
	1.20	D,J					MADE GROUND comprising dark brown mottled orangish brown gravelly sandy clay. Gravels are medium to coarse subangular flint, brick, metal, charcoal, concrete, glass and plastic. Sands are coarse.
							Wooden log (1.5 m long, 0.3 m diameter).
				3.00	4.57		Greyish brown very sandy slightly clayey GRAVEL. Gravels are medium rounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
				4.00	3.57		End of Pit at 4.000m

1
2
3
4
5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Large pit side collapse from 0 to 2.0 m bgl.

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No: TP108

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618516.00 - 134812.00
			Level: 7.84
Date	06/04/2021		
Location:	Hythe, Kent	Dimensions (m):	2.50 x 0.45
Scale	1:25		
Equipment:	11 ton mechanical excavator	Depth	4.00
Logged	SJM	Checked	

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.40	D,J					Grass and nettles overlying MADE GROUND comprising dark brown slightly gravelly slightly sandy clay. Gravels are medium subangular flint, brick and plastic. Sands are coarse.
				0.90	6.94		MADE GROUND comprising dark brown mottled orangish brown gravelly sandy clay. Gravels are medium to coarse subangular flint, brick, metal, concrete, glass, plastic and asbestos. Sands are coarse.
	2.10	B					*Potential asbestos containing material.*
	2.20	D,J					
				3.20	4.64		Brown very sandy GRAVEL. Gravels are medium to coarse rounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
				4.00	3.84		End of Pit at 4.000m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Pit sides collapsing from 3.2 to 4.0 m bgl.

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP109
Sheet 1 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618449.00 - 134822.00 Level: 6.62
Date	06/04/2021		
Location:	Hythe, Kent	Dimensions (m): 2.50 × 0.45 Depth 5.20	Scale 1:25
Equipment:	12 ton mechanical excavator		Logged SJM / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Grass and nettles overlying MADE GROUND comprising dark brown slightly gravelly slightly sandy clay. Gravels are medium subangular flint, brick and plastic. Sands are coarse.
				1.00	5.62		MADE GROUND comprising dark brown mottled orangish brown gravelly sandy clay. Gravels are medium to coarse subangular flint, brick, metal, concrete, glass and plastic. Sands are coarse.
	2.20	D,J					*Abundant barbed wire.*
				3.00	3.62		MADE GROUND comprising greenish brown slightly gravelly very sandy clay. Gravels are medium angular glass and brick. Sands are medium.
	3.40	D,J					
				3.50	3.12		Greyish brown very sandy slightly clayey GRAVEL. Gravels are medium rounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
				4.00	2.62		Off-white very sandy clayey GRAVEL. Gravels are medium rounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
	5.00	D,J					

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Stable pit sides.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP109
Sheet 2 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618449.00 - 134822.00 Level: 6.62
Date	06/04/2021		
Location:	Hythe, Kent	Dimensions (m): 2.50 × 0.45 Depth 5.20	Scale 1:25
Equipment:	12 ton mechanical excavator		Logged SJM / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				5.20	1.42		Off-white very sandy clayey GRAVEL. Gravels are medium rounded flint. Sands are coarse. [STORM BEACH DEPOSITS] End of Pit at 5.200m

6
7
8
9
10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Stable pit sides.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

TRIAL PIT LOG

TrialPit No: TP110
Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618417.00 - 134817.00
Level:	6.51	Date	01/04/2021
Location:	Hythe, Kent	Dimensions (m):	3.50 x 0.60
Depth	4.30	Scale	1:25
Equipment:	13 ton mechanical excavator	Logged	NJA
Checked			

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Dry vegetation overlying MADE GROUND comprising soft dark brown gravelly slightly sandy clay. Gravels are fine to coarse angular brick, concrete and flint. Sands are fine to medium.
	1.05	D,J		1.00	5.50		MADE GROUND comprising soft greyish brown and orangish brown slightly gravelly slightly sandy clay. Gravels are medium to coarse angular to subangular brick, glass and rare plastic. Sands are fine to medium.
				1.10	5.40		MADE GROUND comprising yellowish brown slightly gravelly sand. Gravels are fine to coarse angular brick and concrete. Sands are fine to medium.
				1.30	5.20		MADE GROUND comprising soft greyish brown and orangish brown slightly gravelly slightly sandy clay. Gravels are medium to coarse angular to subangular metal, brick, concrete, flint and rare glass. Sands are fine to medium.
							Bundles of metal barbed wire.
	2.30	D,J					
				3.80	2.70		Greyish brown very slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
				4.00	2.50		Soft to firm bluish grey slightly sandy CLAY. Sands are fine to medium. [TIDAL FLAT DEPOSITS]
				4.30	2.20		End of Pit at 4.300m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit remained stable.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

TRIAL PIT LOG

TrialPit No: TP111

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618423.00 - 134794.00 Level: 7.10
Date	01/04/2021		
Location:	Hythe, Kent	Dimensions (m): 3.30 x 0.60	Scale 1:25
Equipment:	13 ton mechanical excavator	Depth 3.20	Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Dry vegetation overlying MADE GROUND comprising soft dark brown gravelly slightly sandy clay. Gravels are fine to coarse angular brick, concrete and flint. Sands are fine to medium.
				0.80	6.30		MADE GROUND comprising very dark grey slightly gravelly clay. Gravels are fine to coarse angular brick.
	1.40	D,J		1.20	5.90		MADE GROUND comprising yellowish brown slightly gravelly sand. Gravels are fine to coarse angular brick and concrete. Sands are fine to medium.
	2.90	D,J		2.40	4.70		Greyish brown very slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
				3.20	3.90		End of Pit at 3.200m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Pit walls collapsed between ground level and 3.2m bgl.

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP112
Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618371.00 - 134792.00 Level: 7.43
Date	01/04/2021		
Location:	Hythe, Kent	Dimensions (m): 3.20 × 0.60 Depth 4.60	Scale 1:25
Equipment:	13 ton mechanical excavator		Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.30	D,J					Dry vegetation overlying MADE GROUND comprising soft dark brown gravelly slightly sandy clay. Gravels are fine to coarse angular brick, concrete and flint. Sands are fine to medium.
				1.30	6.13		MADE GROUND comprising soft greyish brown and orangish brown slightly gravelly slightly sandy clay. Gravels are medium to coarse angular to subangular brick, concrete, plastic, flint and rare glass. Sands are fine to medium.
				1.80	5.63		MADE GROUND comprising yellowish brown slightly gravelly sand. Gravels are fine to medium angular to subangular brick, concrete and rare glass. Sands are fine to medium.
	2.00	D,J					
	2.20	B		2.10	5.33		MADE GROUND comprising soft greyish brown and orangish brown slightly gravelly slightly sandy clay. Gravels are medium to coarse angular to subangular brick, concrete, flint, metal, plastic and rare glass. Sands are fine to medium. *Potential asbestos containing material.*
	3.90	D,J		3.70	3.73		Brown slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
				4.60	2.83		End of Pit at 4.600m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit walls collapsed between 3.7m and 4.6m bgl.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP113
Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618297.00 - 134773.00 Level: 7.64
Date	01/04/2021		
Location:	Hythe, Kent	Dimensions (m): 3.40 × 0.60 Depth 5.00	Scale 1:25
Equipment:	13 ton mechanical excavator	Logged NJA	Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Dry vegetation overlying MADE GROUND comprising soft dark brown gravelly slightly sandy clay with roots. Gravels are medium to coarse angular brick, concrete and flint. Sands are fine to medium.
				0.90	6.74		MADE GROUND comprising soft greyish brown and orangish brown slightly gravelly slightly sandy clay. Gravels are medium to coarse angular to subangular brick, concrete, flint, plastic, metal, glass and rare wood. Sands are fine to medium.
	1.60	D,J					
				2.20	5.44		MADE GROUND comprising very dark grey slightly sandy gravelly clay with a weak organic odour. Cobbles are common angular brick and concrete. Gravels are fine to coarse angular to subangular brick, concrete, wood, plastic and vary rare glass. Sands are fine to medium.
	3.00	D,J					
				4.10	3.54		Greyish brown slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
				5.00	2.64		End of Pit at 5.000m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit remained stable.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP114
Sheet 1 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618288.00 - 134783.00 Level: 7.23
Date	01/04/2021		
Location:	Hythe, Kent	Dimensions (m): 2.80 × 0.60 Depth 5.50	Scale 1:25
Equipment:	13 ton mechanical excavator		Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.30	D,J		0.65	6.58		Dry vegetation overlying MADE GROUND comprising soft dark brown gravelly slightly sandy clay with roots. Gravels are medium to coarse angular brick, concrete and flint. Sands are fine to medium.
							MADE GROUND comprising soft greyish brown and orangish brown slightly gravelly slightly sandy clay. Gravels are medium to coarse angular to subangular brick, concrete, flint, plastic, glass and occasional wood. Sands are fine to medium.
							Cloth blanket.
	3.00	D,J		2.70	4.53		MADE GROUND comprising soft very dark grey slightly gravelly sandy clay with a moderate organic odour. Gravels are fine to coarse angular to subangular brick, concrete, flint, metal and a couple of angular boulders of brick. Sands are fine to medium.
	3.80	D,J		3.40	3.83		Dark grey clayey GRAVEL with a moderate hydrocarbon odour. Gravels are fine to coarse subrounded to rounded flint. [STORM BEACH DEPOSITS]
				4.40	2.83		Firm greenish grey slightly sandy CLAY. Sand is fine to coarse. [TIDAL FLAT DEPOSITS]

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit remained stable.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Slight hydrocarbon odour between 3.4m and 4.4m bgl.

TRIAL PIT LOG

TrialPit No: TP114
Sheet 2 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618288.00 - 134783.00 Level: 7.23
Date	01/04/2021		
Location:	Hythe, Kent	Dimensions (m): 2.80 x 0.60 Depth 5.50	Scale 1:25
Equipment:	13 ton mechanical excavator		Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				5.50	1.73		Firm greenish grey slightly sandy CLAY. Sand is fine to coarse. [TIDAL FLAT DEPOSITS]
							End of Pit at 5.500m

6
7
8
9
10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit remained stable.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Slight hydrocarbon odour between 3.4m and 4.4m bgl.

IDOM

TRIAL PIT LOG

TrialPit No
TP115
Sheet 1 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618261.00 - 134781.00 Level: 6.95
Date	01/04/2021		
Location:	Hythe, Kent	Dimensions (m): 3.30 x 0.60 Depth 5.50	Scale 1:25
Equipment:	13 ton mechanical excavator		Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Dry vegetation overlying MADE GROUND comprising soft dark brown gravelly slightly sandy clay. Gravels are medium to coarse angular brick, concrete, flint and rare plastic. Sands are fine to medium.
							Angular boulder of concrete.
				0.70	6.25		MADE GROUND comprising soft greyish brown and orangish brown sandy slightly gravelly clay. Gravels are medium to coarse angular to subangular brick, concrete, flint, plastic, glass and rare metal. Sands are fine to medium.
	1.20	D,J					
							Rubber tyre and metal radiator
				2.50	4.45		MADE GROUND comprising soft very dark grey slightly gravelly sandy clay with a weak hydrocarbon odour. Gravels are fine to coarse angular to subangular brick, concrete, flint, paper, wood, rare glass and rare cloth. Sands are fine to medium.
	2.70	D,J					
							Common wooden blanks.
				4.50	2.45		Grey slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. [STORM BEACH DEPOSITS]

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit remained stable.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Slight hydrocarbon odour between 2.5m and 4.5m bgl.

TRIAL PIT LOG

TrialPit No: TP115

Sheet 2 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618261.00 - 134781.00
Level:	6.95	Date	01/04/2021
Location:	Hythe, Kent	Dimensions (m): 3.30 x 0.60	Scale 1:25
Equipment:	13 ton mechanical excavator	Depth 5.50	Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				5.50	1.45		Grey slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. [STORM BEACH DEPOSITS]
							End of Pit at 5.500m

6
7
8
9
10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Pit remained stable.

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Slight hydrocarbon odour between 2.5m and 4.5m bgl.

IDOM

TRIAL PIT LOG

TrialPit No
TP116
Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618242.00 - 134755.00 Level: 7.23
Date	31/03/2021		
Location:	Hythe, Kent	Dimensions (m): 3.10 x 0.60 Depth 2.50	Scale 1:25
Equipment:	13 ton mechanical excavator		Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Dry vegetation overlying MADE GROUND comprising soft dark brown gravelly slightly sandy clay. Gravels are medium to coarse angular brick, concrete, flint and rare plastic. Sands are fine to medium. *Metal bar (10 cm diameter).*
				0.90	6.33		MADE GROUND comprising soft brown slightly sandy gravelly clay. Gravels are fine to coarse angular brick, concrete, flint, plastic and cloth with some angular cobbles of concrete. Sand is fine to medium.
	1.30	D,J		1.20	6.03		MADE GROUND comprising brownish yellow very slightly clayey gravelly sand. Gravels are fine to coarse subangular to rounded flint, brick glass and plastic. Sands are fine to medium.
	2.10	D,J		1.90	5.33		MADE GROUND comprising soft brown slightly sandy gravelly clay. Gravels are fine to coarse angular brick, concrete, flint, glass, plastic and metal. Sands are fine to medium.
				2.50	4.73		End of Pit at 2.500m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit walls collapsed between ground level and 2.5m bgl

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP117
Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618217.00 - 134749.00 Level: 7.14
Date	31/03/2021		
Location:	Hythe, Kent	Dimensions (m): 3.50 x 0.60 Depth 4.50	Scale 1:25
Equipment:	13 ton mechanical excavator		Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Dry vegetation overlying MADE GROUND comprising soft dark brown gravelly slightly sandy clay. Gravels are medium to coarse angular brick, concrete, flint and rare plastic. Sands are fine to medium.
				0.80	6.34		
	1.10	D,J					MADE GROUND comprising soft brown gravelly slightly sandy clay. Gravels are fine to coarse angular brick, concrete, flint, plastic, rare metal and rare glass. Sands are fine to medium. *Frequent angular cobbles of concrete.* *Metal bar (5 cm diameter).*
				2.00	5.14		
							MADE GROUND comprising soft brown gravelly slightly sandy clay. Gravels are fine to coarse angular brick, concrete, flint, metal, plastic and rare glass. Sands are fine to medium. *Half a metal drum.*
				2.60	4.54		
	2.80	D,J					MADE GROUND comprising soft slightly gravelly slightly sandy clay. Gravels are fine to medium angular to rounded brick, flint and rare metal. Sands are fine.
				3.70	3.44		
	4.00	D,J					Grey very slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
				4.50	2.64		End of Pit at 4.500m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit walls collapsed between 3.7m and 4.5m bgl.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP118
Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618194.00 - 134759.00 Level: 7.03
Date	31/03/2021		
Location:	Hythe, Kent	Dimensions (m): 2.50 × 0.45 Depth 5.00	Scale 1:25
Equipment:			Logged SJM / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.30	D,J		0.60	6.43		Grass and nettles overlying MADE GROUND comprising dark brown slightly gravelly slightly sandy clay. Gravels are medium subangular brick, plastic and flint. Sands are coarse.
				3.20	3.83		MADE GROUND comprising dark brown gravelly sandy clay with occasional cobbles and boulders and 20% plastic bags. Gravels are coarse angular plastic, cloth, concrete, metal, brick and glass. Sands are coarse.
	4.30	D,J		4.10	2.93		MADE GROUND comprising black mottled greenish grey gravelly very sandy clay with a moderate organic odour. Gravels are medium subangular glass, clinker, metal and flint. Sands are coarse.
				4.60	2.43		MADE GROUND comprising black mottled greenish grey clayey gravel with a moderate organic odour. Gravels are medium subangular flint and wood. Sands are coarse.
				5.00	2.03		Firm greenish grey slightly sandy CLAY. Sands are coarse subangular shells. [TIDAL FLAT DEPOSITS]
							End of Pit at 5.000m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Minor side wall collapses.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP119
Sheet 1 of 1

Project Name: Princes Parade	Project No. 22281	Co-ords: 618154.00 - 134753.00 Level: 6.90	Date 31/03/2021
Location: Hythe, Kent		Dimensions (m): 2.50 x 0.45 Depth 4.40	Scale 1:25
Equipment:			Logged SJM / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Grass and nettles overlying MADE GROUND comprising dark brown slightly gravelly slightly sandy clay. Gravels are medium subangular plastic and flint. Sands are coarse.
				0.60	6.30		MADE GROUND comprising dark brown gravelly sandy clay with occasional cobbles and boulders and 20% plastic bags. Gravels are coarse angular plastic, concrete, metal, brick and glass. Sands are coarse.
	1.40	D,J					
				2.70	4.20		MADE GROUND comprising black mottled greenish grey gravelly very sandy clay with a weak hydrocarbon odour. Gravels are medium subangular glass, clinker, metal and flint. Sands are coarse.
	3.00	D,J					
				3.90	3.00		MADE GROUND comprising black mottled greenish grey gravelly very sandy clay with a moderate organic odour. Gravels are medium subangular flint and wood. Sands are coarse.
				4.00	2.90		Firm greenish grey slightly sandy CLAY. Sands are coarse subangular shells. [TIDAL FLAT DEPOSITS]
	4.10	D,J					
				4.40	2.50		End of Pit at 4.400m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Minor side wall collapses.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No: TP120

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618128.00 - 134754.00
			Level: 7.01
Date	31/03/2021		
Location:	Hythe, Kent	Dimensions (m):	2.50 x 0.45
Scale	1:25		
Equipment:		Depth 4.80	Logged SJM / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Grass and nettles overlying MADE GROUND comprising dark brown slightly gravelly slightly sandy clay. Gravels are medium subangular plastic and flint. Sands are coarse.
				0.60	6.41		MADE GROUND comprising dark brown gravelly sandy clay with occasional cobbles and boulders and 20% plastic bags. Gravels are coarse angular plastic, concrete, metal, brick and glass. Sands are coarse.
	1.80	D,J					*Tyre identified.*
				3.50	3.51		MADE GROUND comprising black mottled greenish grey gravelly very sandy clay with a moderate organic odour. Gravels are medium subangular glass, clinker, metal and flint. Sands are coarse.
	3.70	D,J					
				4.00	3.01		Greyish brown very sandy slightly clayey GRAVEL. Gravels are medium rounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
▼	4.70	D,J					*Dark grey water coating the flint.*
				4.80	2.21		End of Pit at 4.800m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Minor side wall collapses.

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP121
Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618099.00 - 134724.00 Level: 6.92
Date	31/03/2021		
Location:	Hythe, Kent	Dimensions (m): 2.50 x 0.45 Depth 3.80	Scale 1:25
Equipment:			Logged SJM / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.50	D,J		0.60	6.32		Grass and nettles overlying MADE GROUND comprising dark brown slightly gravelly slightly sandy clay. Gravels are medium subangular plastic and flint. Sands are coarse.
							MADE GROUND comprising dark brown gravelly sandy clay with occasional cobbles and boulders and 20% plastic bags. Gravels are coarse angular plastic, concrete, fibre glass, metal, brick and glass. Sands are coarse. *90% plastic bags and bottles.*
	3.20	D,J		2.50	4.42		MADE GROUND comprising black mottled greenish grey gravelly very sandy clay with a moderate organic odour. Gravels are medium subangular glass, clinker, metal and flint. Sands are coarse.
	3.70	D,J		3.30	3.62		Greyish brown very sandy slightly clayey GRAVEL. Gravels are medium rounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
				3.80	3.12		End of Pit at 3.800m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Minor side wall collapses.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP122
Sheet 1 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618096.00 - 134759.00 Level: 7.01
Date	31/03/2021		
Location:	Hythe, Kent	Dimensions (m): 2.50 x 0.45 Depth 5.20	Scale 1:25
Equipment:			Logged SJM / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Grass and nettles overlying MADE GROUND comprising dark brown slightly gravelly slightly sandy clay. Gravels are medium subangular plastic and flint. Sands are coarse.
				0.50	6.51		MADE GROUND comprising dark brown gravelly sandy clay with occasional cobbles and boulders and 20% plastic bags. Gravels are coarse angular plastic, concrete, metal, brick and glass. Sands are coarse.
	1.90	D,J					
				3.30	3.71		MADE GROUND comprising greenish grey slightly gravelly very sandy clay with a strong organic odour. Gravels are fine to medium subangular wood, paper and glass. Sands are medium.
	3.50	D,J					
				4.80	2.21		MADE GROUND comprising dark grey slightly gravelly very sandy clay with a strong organic odour. Gravels are
				5.00	2.01		

1
2
3
4
5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Minor side wall collapses.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP122
Sheet 2 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618096.00 - 134759.00 Level: 7.01
Date	31/03/2021		
Location:	Hythe, Kent	Dimensions (m): 2.50 × 0.45 Depth 5.20	Scale 1:25
Equipment:			Logged SJM / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	5.10	D,J		5.20	1.81		MADE GROUND comprising dark grey slightly gravelly very sandy clay with a strong organic odour. Gravels are fine to medium subangular wood, paper and glass. Sands are medium.
							Firm greenish grey slightly sandy CLAY. Sands are coarse subangular shells. [TIDAL FLAT DEPOSITS]
							End of Pit at 5.200m

6
7
8
9
10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Minor side wall collapses.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP123
Sheet 1 of 2

Project Name: Princes Parade	Project No. 22281	Co-ords: 618069.00 - 134757.00 Level: 7.13	Date 30/03/2021
Location: Hythe, Kent		Dimensions (m): 2.50 x 0.45 Depth 5.20	Scale 1:25 Logged SJM / Checked
Equipment:			

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Grass and nettles overlying MADE GROUND comprising dark brown slightly gravelly slightly sandy clay. Gravels are medium subangular plastic and flint. Sands are coarse.
				0.50	6.63		MADE GROUND comprising dark brown gravelly sandy clay with occasional cobbles and 20% plastic bags. Gravels are coarse angular plastic, concrete, metal, brick and glass. Sands are coarse.
	1.80	D,J					
	2.70	D,J					
				2.60	4.53		MADE GROUND comprising greenish grey slightly gravelly very sandy clay with a strong organic odour. Gravels are fine to medium subangular wood, paper and glass. Sands are medium.
							Weak hydrocarbon odour and black staining on wood.
				4.50	2.63		Dark grey medium subrounded flint GRAVEL. [STORM BEACH DEPOSITS]
				4.60	2.53		Firm greenish grey slightly sandy CLAY. Sands are coarse subangular shells. [TIDAL FLAT DEPOSITS]

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Minor side wall collapses.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP123
Sheet 2 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618069.00 - 134757.00 Level: 7.13
Date	30/03/2021		
Location:	Hythe, Kent	Dimensions (m): 2.50 × 0.45 Depth 5.20	Scale 1:25
Equipment:			Logged SJM / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				5.20	1.93		Firm greenish grey slightly sandy CLAY. Sands are coarse subangular shells. [TIDAL FLAT DEPOSITS]
							End of Pit at 5.200m

6
7
8
9
10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Minor side wall collapses.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

TRIAL PIT LOG

TrialPit No: TP124

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618076.00 - 134744.00
Level:	6.79	Date	30/03/2021
Location:	Hythe, Kent	Dimensions (m): 3.40 x 0.60, Depth 4.80	Scale 1:25
Equipment:	13 ton mechanical excavator	Logged NJA	Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Dry vegetation over MADE GROUND comprising soft dark brown gravelly slightly sandy clay. Gravels are medium to coarse angular brick, concrete, flint, plastic, glass and wood. Sands are fine to medium.
				0.70	6.08		
	1.00	D,J					MADE GROUND comprising soft greyish brown and orangish brown slightly gravelly slightly sandy clay. Gravels are medium to coarse angular to subangular brick, concrete, flint, glass, plastic, rare metal and rare paper. Sands are fine to medium.
							Cobbles and boulders of angular concrete and brick with greenish yellow mortar.
				3.70	3.08		
	3.80	D,J					MADE GROUND comprising brown slightly clayey slightly sandy gravel. Gravels are fine to coarse angular to subrounded brick, concrete, flint, wood and metal. Sands are fine to medium.
				4.50	2.28		
	4.60	D,J					Firm greenish grey slightly sandy CLAY. Sands are fine to coarse. [TIDAL FLAT DEPOSITS]
				4.80	1.98		End of Pit at 4.800m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Pit walls collapsed between 3.5m and 4.8m bgl.

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

TRIAL PIT LOG

TrialPit No: TP125

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618081.00 - 134718.00
Level:	7.06	Date	30/03/2021
Location:	Hythe, Kent	Dimensions (m): 3.60 x 0.60	Scale 1:25
Equipment:	13 ton mechanical excavator	Depth 0.60	Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.60	6.46		Dry vegetation overlying MADE GROUND comprising soft dark brown slightly gravelly slightly sandy clay. Gravels are medium angular brick, concrete and flint. Sands are fine to medium. Potential service encountered at 0.6m bgl.
							End of Pit at 0.600m

1
2
3
4
5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Pit remained stable.

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP125A
Sheet 1 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618080.00 - 134723.00 Level: 7.22
Date	30/03/2021		
Location:	Hythe, Kent	Dimensions (m): 2.90 × 0.60 Depth 5.20	Scale 1:25
Equipment:	13 ton mechanical excavator		Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Dry vegetation over MADE GROUND comprising soft dark brown slightly gravelly slightly sandy Clay. Gravels are medium angular brick, concrete and flint. Sand is fine to medium. Potential service encountered at 0.6m bgl.
				0.60	6.62		MADE GROUND comprising soft greyish brown and orangish brown slightly gravelly slightly sandy clay. Gravels are medium to coarse angular to subangular brick, concrete, flint, plastic, glass, rare metal and rare cloth. Sands are fine to medium.
				1.20	6.02		MADE GROUND comprising brown slightly sandy clayey Gravel. Gravels are fine to coarse angular to subangular brick, concrete, flint, plastic and wood. Sands are fine to medium.
	1.50	D,J					*Bag of medical needles.*
							Potential metal boiler / gasket.
	3.20	D,J		3.10	4.12		MADE GROUND comprising slightly gravelly slightly clayey sand. Gravels are fine to coarse angular brick and concrete. Sands are fine to medium.
				3.90	3.32		MADE GROUND comprising dark grey gravelly sand. Gravels are fine to coarse angular brick, concrete, rare plastic and rare glass. Sands are fine to medium.
				4.50	2.72		Grey slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. Sands are coarse. [STORM BEACH DEPOSITS]

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit remained stable.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

TRIAL PIT LOG

TrialPit No: TP125A
Sheet 2 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618080.00 - 134723.00 Level: 7.22
Date	30/03/2021		
Location:	Hythe, Kent	Dimensions (m): 2.90 x 0.60 Depth 5.20	Scale 1:25
Equipment:	13 ton mechanical excavator		Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				5.20	2.02		Grey slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. Sands are coarse. [STORM BEACH DEPOSITS] End of Pit at 5.200m

6
7
8
9
10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit remained stable.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP126
Sheet 1 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618017.00 - 134742.00 Level: 7.31
Date	30/03/2021		
Location:	Hythe, Kent	Dimensions (m): 3.30 x 0.60 Depth 5.00	Scale 1:25
Equipment:	13 ton mechanical excavator		Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.40	D,J					Dry vegetation overlying MADE GROUND comprising soft dark brown gravelly slightly sandy clay. Gravels are medium to coarse angular brick, concrete, flint, rare plastic and rare wood. Sands are fine to medium.
				1.10	6.21		
	1.30	D,J					MADE GROUND comprising soft greyish brown and orangish brown slightly gravelly slightly sandy clay. Gravels are medium to coarse angular to subangular brick, concrete, flint, metal, plastic, glass and wood with rare angular cobbles of concrete. Sands are fine to medium.
							Cloth blankets.
							2 angular concrete boulders.
	3.20	B					*Potential asbestos containing material.*
				3.50	3.81		MADE GROUND comprising soft very dark grey slightly gravelly sandy clay with a moderate hydrocarbon odour. Gravels are medium to coarse angular to subrounded brick, concrete, flint, wood, glass and rare plastic . Sands are fine to medium.
							wood timber post (1m long).
							Concrete obstruction at western end of the pit.
	4.40	D,J					
	4.60	B					*Potential asbestos containing material.*
				4.90	2.41		Firm greenish grey slightly sandy CLAY. Sands are fine
				5.00	2.31		

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit remained stable.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP126
Sheet 2 of 2

Project Name: Princes Parade	Project No. 22281	Co-ords: 618017.00 - 134742.00 Level: 7.31	Date 30/03/2021
Location: Hythe, Kent		Dimensions (m): 3.30 x 0.60 Depth 5.00	Scale 1:25
Equipment: 13 ton mechanical excavator			Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Firm greenish grey slightly sandy CLAY. Sands are fine to coarse. [TIDAL FLAT DEPOSITS]
							End of Pit at 5.000m

6
7
8
9
10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit remained stable.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP127
Sheet 1 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 617986.00 - 134705.00 Level: 7.36
Date	30/03/2021		
Location:	Hythe, Kent	Dimensions (m): 3.50 × 0.60 Depth 5.50	Scale 1:25
Equipment:	13 ton mechanical excavator		Logged NJA / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Dry vegetation over MADE GROUND comprising soft dark brown slightly sandy gravelly clay. Gravels are medium to coarse angular brick, concrete, flint, rare plastic and rare wood. Sands are fine to medium.
				1.20	6.16		
	1.40	D,J					MADE GROUND comprising soft greyish brown and orangish brown slightly gravelly slightly sandy clay. Gravels are medium to coarse angular to subangular brick, concrete, flint, plastic, glass, rare metal and rare cloth. Sands are fine to medium.
				3.10	4.26		
▼	3.40	D,J					MADE GROUND comprising soft to firm greenish grey slightly gravelly sandy clay with a weak hydrocarbon odour. Gravels are medium to coarse angular brick, concrete, rare metal, rare glass and rare wood. Sands are fine to medium.
							Slow seepage.
				4.50	2.86		MADE GROUND comprising soft to firm bluish grey very gravelly clay. Gravels are fine to coarse angular to rounded flint, brick, wood and rare plastic.
	4.70	D,J					
				4.80	2.56		Grey slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. [STORM BEACH

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit remained stable.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

TRIAL PIT LOG

TrialPit No: TP127

Sheet 2 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 617986.00 - 134705.00
Level:	7.36	Date	30/03/2021
Location:	Hythe, Kent	Dimensions (m):	3.50 x 0.60
Depth	5.50	Scale	1:25
Equipment:	13 ton mechanical excavator	Logged	NJA
Checked			

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Grey slightly sandy GRAVEL. Gravels are fine to coarse subrounded to rounded flint. [STORM BEACH DEPOSITS]
				5.30	2.06		Firm greenish grey slightly sandy CLAY. Sands are fine to coarse. [TIDAL FLAT DEPOSITS]
				5.50	1.86		End of Pit at 5.500m

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Pit remained stable.

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No: TP128

Sheet 1 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 617939.00 - 134731.00 Level: 7.21
Date: 29/03/2021			
Location:	Hythe, Kent	Dimensions (m): 2.50 x 0.45 Depth 5.50	Scale: 1:25
Equipment:			Logged: SJM Checked:

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	1.40	D,J		1.60	5.61		Dried vegetation and nettles overlying MADE GROUND comprising dark brown gravelly slightly sandy clay with 10% plastic. Gravels are coarse angular brick and plastic. Sands are medium.
				2.50	4.71		MADE GROUND comprising dark brown gravelly sandy clay with occasional cobbles and 20% plastic bags. Gravels are coarse angular concrete, metal, brick and glass. Sands are coarse.
	2.90	D,J					MADE GROUND comprising greenish brown gravelly sand. Gravels are coarse angular flint, brick, glass and metal. Sands are medium. *Single concrete boulder (1 m diameter).*
	4.20	D,J		4.10	3.11		MADE GROUND comprising greenish grey to dark grey slightly gravelly very sandy clay with a strong organic odour. Gravels are fine to medium subangular wood, paper and glass. Sands are medium.
				4.80	2.41		Firm greenish grey slightly gravelly CLAY. Gravels are coarse subangular shells. [TIDAL FLAT DEPOSITS]

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Minor side wall collapses.

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP128
Sheet 2 of 2

Project Name: Princes Parade	Project No. 22281	Co-ords: 617939.00 - 134731.00 Level: 7.21	Date 29/03/2021
Location: Hythe, Kent		Dimensions (m): 2.50 x 0.45 Depth 5.50	Scale 1:25
Equipment:			Logged SJM / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				5.50	1.71		Firm greenish grey slightly gravelly CLAY. Gravels are coarse subangular shells. [TIDAL FLAT DEPOSITS]
							End of Pit at 5.500m

6
7
8
9
10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Minor side wall collapses.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP129
Sheet 1 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 617922.00 - 134682.00 Level: 7.95
Date	29/03/2021		
Location:	Hythe, Kent	Dimensions (m): 2.50 x 0.45 Depth 5.30	Scale 1:25
Equipment:			Logged SJM / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Dried vegetation and nettles overlying MADE GROUND comprising dark brown gravelly slightly sandy clay. Gravels are coarse angular brick and plastic. Sands are medium.
							Trolley identified.
				1.00	6.95		MADE GROUND comprising dark brown gravelly sandy clay with occasional cobbles and boulders and 20% plastic bags. Gravels are coarse angular plastic, concrete, metal, brick and glass. Sands are coarse.
	1.20	D,J					*Several concrete boulders.*
							Single concrete post (1.5 m long).
				3.20	4.75		MADE GROUND comprising greenish grey to dark grey slightly gravelly very sandy clay with a strong organic odour. Gravels are fine to medium subangular flint. Sands are medium.
	4.40	D,J		4.30	3.65		Off-white slightly clayey GRAVEL. Gravels are medium rounded flint. [STORM BEACH DEPOSITS]

1
2
3
4
5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Minor side wall collapses.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP129
Sheet 2 of 2

Project Name: Princes Parade	Project No. 22281	Co-ords: 617922.00 - 134682.00 Level: 7.95	Date 29/03/2021
Location: Hythe, Kent		Dimensions (m): 2.50 x 0.45 Depth 5.30	Scale 1:25
Equipment:			Logged SJM / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				5.30	2.65		Off-white slightly clayey GRAVEL. Gravels are medium rounded flint. [STORM BEACH DEPOSITS]
							End of Pit at 5.300m

6
7
8
9
10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Minor side wall collapses.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No: TP130

Sheet 1 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 617833.00 - 134702.00 Level: 6.79	Date 29/03/2021
Location:	Hythe, Kent		Dimensions (m): 2.50 x 0.45 Depth 5.50	Scale 1:25
Equipment:				Logged SJM / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.30	D,J		0.60	6.19		MADE GROUND comprising dark brown very gravelly very sandy clay with 20% plastic. Gravels are medium angular plastic, brick, glass and concrete. Sands are coarse.
	1.50	D,J		1.90	4.89		MADE GROUND comprising dark brown very gravelly very sandy clay with 20% plastic. Gravels are medium angular plastic, brick, glass and concrete. Sands are coarse.
	3.80	D,J		3.50 3.50	3.29 3.29		MADE GROUND comprising greenish brown very gravelly sandy clay with occasional cobbles. Gravels are coarse angular concrete, brick, plastic and glass. Cobbles are angular concrete. Sands are coarse.
				4.00	2.79		MADE GROUND comprising dark brown very gravelly very sandy clay with 20% plastic. Gravels are medium angular plastic, brick, glass and concrete. Sands are coarse.
	4.10	D,J					MADE GROUND comprising greenish grey slightly gravelly very sandy clay with a strong organic odour. Gravels are fine to medium subangular wood, paper and glass. Sands are medium. *Tyre identified.*
▼				5.00	1.79		MADE GROUND comprising black to dark grey slightly gravelly very sandy clay with a strong hydrocarbon odour and occasional black staining. Gravels are medium subangular wood, metal, paper and glass. Sands are medium. *Abundant barbed wire.*

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Minor side wall collapses.

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

TRIAL PIT LOG

TrialPit No: TP130

Sheet 2 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 617833.00 - 134702.00
Level:	6.79	Date	29/03/2021
Location:	Hythe, Kent	Dimensions (m): 2.50 x 0.45	Scale 1:25
Equipment:		Depth 5.50	Logged SJM / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				5.50	1.29		Firm greenish grey slightly sandy CLAY. Sands are coarse subangular shells. [TIDAL FLAT DEPOSITS]
							End of Pit at 5.500m

6 7 8 9 10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Minor side wall collapses.

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No: TP131

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 617825.00 - 134667.00 Level: 7.40
Date	06/04/2021		
Location:	Hythe, Kent	Dimensions (m): 2.50 x 0.45 Depth 4.10	Scale 1:25
Equipment:			Logged SJM / Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.10	7.30		MADE GROUND comprising dark brown gravelly sandy clay. Gravels are medium subangular flint and brick. Sands are coarse.
	0.30	D,J		0.40	7.00		MADE GROUND comprising dark grey sandy gravel. Gravels are coarse angular tarmac, brick, metal and concrete. Sands are coarse.
							MADE GROUND comprising dark brown gravelly sandy clay. Gravels are coarse angular brick, flint, metal, concrete and plastic. Sands are coarse.
	1.50	D,J					
							Angular concrete boulders.
							Metal pole (2 m long).
				4.10	3.30		End of Pit at 4.100m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Multiple large wall collapses from 1.9 to 4.0 m bgl.

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

IDOM

TRIAL PIT LOG

TrialPit No
TP132
Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 617871.00 - 134684.00 Level: 7.51
Date	08/04/2021		
Location:	Hythe, Kent	Dimensions (m): 3.60 × 0.60 Depth 4.00	Scale 1:25
Equipment:	Mechanical backhoe excavator	Logged NJA	Checked

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							MADE GROUND comprising dark brown slightly gravelly slightly sandy clay. Gravels are fine to coarse angular brick, concrete and flint. Sands are fine.
				0.70	6.81		
	0.80	D,J					MADE GROUND comprising soft dark brown very gravelly clay. Gravels are fine to coarse rounded flint.
				0.90	6.61		
							MADE GROUND comprising soft dark brown slightly sandy gravelly clay. Gravels are fine to coarse angular brick, concrete, clinker, flint, rare plastic and glass. Sands are fine. *Angular cobbles of brick and concrete.*
				1.80	5.71		
	2.10	D,J					MADE GROUND comprising soft greyish brown to brownish orange slightly gravelly sandy Clay with common plastic, occasional glass, wood, rare metal and cloth. Gravels are fine to coarse angular brick and concrete. *Rubber tyre.*
				2.70	4.81		
							MADE GROUND comprising dark grey slightly gravelly slightly sandy clay with a moderate organic odour. Gravels are fine to coarse angular brick, concrete and wood. Sands are fine.
				3.00	4.51		
	3.10	D,J					MADE GROUND comprising greenish grey slightly gravelly slightly clayey sand. Gravels are coarse angular wood, rare glass, metal and cloth. Sands are fine to medium.
				4.00	3.51		End of Pit at 4.000m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit walls collapsed.

Remarks
Coordinates and levels, where indicated, must not be used for design purposes. The user is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to excavation.

Windowless Sample Log

IDOM			Borehole No. WS101 Sheet 1 of 1
Project Name: Princes Parade	Project No. 22281	Co-ords: 618712E - 134852N	Scale 1:25
Location: Hythe, Kent		Level (m): 7.37	Logged By SJM
Equipment: Windowless Sampler Terrier Rig		Dates: 15/04/2021	Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Grass overlying MADE GROUND comprising soft brown gravelly slightly sandy clay. Gravels are medium subangular to subrounded flint and rare concrete. Sands are coarse.
					0.50	6.87		MADE GROUND comprising orangish brown mottled black sandy clayey gravel. Gravels are medium angular charcoal, glass, brick and concrete. Sands are coarse.
					0.90	6.47		MADE GROUND comprising pale grey sandy clayey gravel. Gravels are medium subangular concrete and flint. Sands are coarse.
					1.10	6.27		MADE GROUND comprising soft orangish brown gravelly sandy clay. Gravels are medium subangular to subrounded plastic, glass, wood and rare charcoal. Sands are coarse.
					2.80	4.57		BRICK.
					2.90	4.47		CONCRETE.
					3.00	4.37		MADE GROUND comprising dark grey very gravelly sand. Gravels are medium angular concrete and brick. Sands are coarse.
					3.20	4.17		Brown sandy GRAVEL. Gravels are subrounded medium flint. Sands are coarse. [STORM BEACH DEPOSITS]
					4.00	3.37		End of Borehole at 4.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS102**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618561E - 134820N
Location:	Hythe, Kent		Level (m): 7.65
Equipment:	Windowless Sampler Terrier Rig		Dates: 15/04/2021

Scale 1:25

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Dry vegetation overlying MADE GROUND comprising soft brown slightly gravelly slightly sandy clay. Gravels are medium subrounded flint and brick. Sands are coarse.
					1.20	6.45		MADE GROUND comprising black gravelly sand. Gravels are medium angular charcoal. Sands are coarse.
					1.40	6.25		MADE GROUND comprising pale brown very sandy clay. Sands are coarse.
					1.90	5.75		MADE GROUND comprising soft orangish brown gravelly sandy clay. Gravels are medium subangular to subrounded plastic, glass, wood and rare charcoal. Sands are coarse.
					3.30	4.35		Brown GRAVEL. Gravels are subrounded medium flint. [STORM BEACH DEPOSITS]
					4.00	3.65		End of Borehole at 4.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS103**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618525E - 134821N
Location:	Hythe, Kent		Level (m): 7.07
Equipment:	Windowless Sampler Terrier Rig		Dates: 14/04/2021

Scale 1:25

Logged By NJA

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								MADE GROUND comprising soft greyish brown slightly gravelly slightly sandy clay. Gravels are fine to coarse angular to subangular brick, concrete, clinker and flint. Sands are coarse.
					0.60	6.47		MADE GROUND comprising brown gravelly sand. Gravels are fine to coarse angular to subangular charcoal, brick, concrete and flint. Sands are fine.
								Becomes orange.
								Angular coarse ceramic fragments.
								Angular coarse brick and mortar.
								Angular coarse slate.
								Becomes orange with occasional paper.
								Common metal.
								Becomes clayey with medium to coarse angular charcoal.
					3.40	3.67		Brown very slightly sandy GRAVEL. Gravels are fine to coarse rounded flint. Sands are fine to coarse. [STORM BEACH DEPOSITS]
								Becomes sandy.
					4.00	3.07		End of Borehole at 4.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS104**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618501E - 134812N
Location:	Hythe, Kent		Level (m): 7.72
Equipment:	Windowless Sampler Terrier Rig		Dates: 14/04/2021

Scale 1:25

Logged By NJA

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								MADE GROUND comprising soft greyish brown slightly gravelly slightly sandy clay. Gravels are fine to coarse angular brick, concrete and flint. Sands are coarse.
								Abundant fine to coarse angular tarmac fragments.
					0.90	6.82		
					1.00	6.72		MADE GROUND comprising brown to orange gravelly sand. Gravels are fine to coarse angular concrete and bituminous surfacing. Sands are medium to coarse.
								MADE GROUND comprising greenish grey gravelly sand. Gravels are fine to medium angular to subrounded brick, concrete and flint. Sands are fine to coarse.
					1.50	6.22		MADE GROUND comprising dark grey very slightly sandy gravel with a strong hydrocarbon odour. Gravels are fine to coarse angular flint and ceramic. Sands are medium to coarse.
					1.65	6.07		MADE GROUND comprising soft orange to brown slightly gravelly sandy clay. Gravels are fine to coarse concrete and glass. Sands are fine.
					2.00	5.72		MADE GROUND comprising soft grey slightly gravelly sandy clay. Gravels are fine to coarse angular concrete and bituminous surfacing. Sands are fine.
					2.20	5.52		MADE GROUND comprising soft orange to brown slightly gravelly sandy clay. Gravels are fine to coarse angular concrete and glass. Sands are fine.
					2.80	4.92		MADE GROUND comprising pale brown slightly gravelly sand. Gravels are coarse angular brick. Sands are fine to coarse.
					3.00	4.72		MADE GROUND comprising dark grey clayey gravel. Gravels are fine to coarse rounded flint and rare plastic.
					3.30	4.42		Brown very slightly sandy GRAVEL. Gravels are fine to coarse rounded flint. Sands are fine to coarse. [STORM BEACH GRAVELS]
					4.00	3.72		End of Borehole at 4.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS105**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618481E - 134817N
Location:	Hythe, Kent		Level (m): 6.78
Equipment:	Windowless Sampler Terrier Rig		Dates: 14/04/2021

Scale 1:25

Logged By NJA

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.15	6.63		MADE GROUND comprising orangish brown gravelly sand. Gravels are fine to coarse angular to subangular bituminous surfacing, concrete and flint. Sands are fine to coarse.
								MADE GROUND comprising soft brownish grey slightly gravelly slightly sand clay. Gravels are fine to medium angular brick, clinker and flint. Sands are fine.
					0.65	6.13		MADE GROUND comprising brown to orange gravelly sand. Gravels are fine to coarse angular slate, clinker, glass and plastic. Sands are coarse.
					1.00	5.78		MADE GROUND comprising brown gravelly sand. Gravels are fine to coarse angular to subrounded brick, flint and plastic. Sands are fine to coarse.
					1.20	5.58		MADE GROUND comprising brownish grey and brownish orange slightly sandy slightly gravelly clay. Gravels are fine to coarse angular brick and mortar. Sands are fine to medium.
								Angular coarse ceramic fragments.
					1.70	5.08		MADE GROUND comprising pale brown slightly gravelly clayey sand. Gravels are fine to medium angular brick. Sands are fine to coarse.
					1.90	4.88		MADE GROUND comprising dark brown mottled orangish brown gravelly sand. Gravels are fine to coarse angular charcoal and concrete. Sands are fine to coarse.
					2.10	4.68		MADE GROUND comprising soft grey gravelly sand clay. Gravels are fine to coarse angular concrete and flint. Sands are coarse.
					2.50	4.28		MADE GROUND comprising soft dark grey very gravelly clay. Gravels are fine to coarse angular slate, bituminous surfacing and charcoal.
					2.85	3.93		MADE GROUND comprising soft yellowish brown sandy clay. Sands are fine.
					3.00	3.78		MADE GROUND comprising soft brown gravelly slightly sandy clay. Gravels are fine to coarse angular concrete, brick and plastic. Sands are fine.
					3.30	3.48		MADE GROUND comprising soft dark grey slightly gravelly sandy clay. Gravels are fine to medium angular flint and plastic. Sands are fine to coarse.
					4.15	2.63		Brown slightly sandy GRAVEL. Gravels are fine to coarse rounded flint. Sands are fine to coarse. [STORM BEACH DEPOSITS]
					4.75	2.03		Soft grey slightly sandy CLAY. Sands are medium to coarse. [TIDAL FLAT DEPOSITS]
					5.00	1.78		End of Borehole at 5.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS106**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618463E - 134814N
Location:	Hythe, Kent		Level (m): 6.81
Equipment:	Windowless Sampler Terrier Rig		Dates: 14/04/2021

Scale 1:25

Logged By NJA

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								MADE GROUND comprising soft greyish brown slightly gravelly slightly sandy clay. Gravels are fine to medium angular to subrounded brick, concrete and flint. Sands are fine. *Some glass fragments.*
					1.25	5.56		MADE GROUND comprising brownish orange very slightly gravelly slightly clayey sand. Gravels are fine to coarse angular concrete and glass. Sands are fine to coarse.
					1.40	5.41		MADE GROUND comprising very dark brown gravelly slightly clayey sand. Gravels are fine to coarse angular brick, charcoal and concrete. Sands are fine to coarse.
					1.85	4.96		MADE GROUND comprising brown gravelly sand. Gravels are fine to coarse angular flint and concrete. Sands are fine to coarse.
					2.00	4.81		MADE GROUND comprising soft dark brown slightly gravelly slightly sandy clay. Gravels are fine to coarse angular concrete and ceramic. Sands are fine.
					3.00	3.81		MADE GROUND comprising soft brown gravelly clay. Gravels are coarse angular brick.
					3.20	3.61		MADE GROUND comprising dark grey very slightly sandy gravel. Gravels are fine to coarse angular slate. Sands are fine.
					3.35	3.46		Greenish grey very slightly gravelly slightly sandy CLAY. Gravels are fine to medium rounded flint. Sands are fine. [STORM BEACH DEPOSITS]
					4.10	2.71		Dark grey slightly sandy GRAVEL with a strong hydrocarbon odour. Gravels are fine to coarse rounded flint. Sands are fine to medium. [STORM BEACH DEPOSITS]
					4.20	2.61		Brown very slightly sandy GRAVEL. Gravels are fine to coarse rounded flint. Sand are fine to coarse. [STORM BEACH DEPOSITS]
					4.40	2.41		Brown clayey GRAVEL. Gravels are fine to coarse rounded flint. [STORM BEACH DEPOSITS]
					4.50	2.31		Grey very slightly sandy GRAVEL. Gravels are fine to coarse rounded flint. Sands are fine to coarse. [STORM BEACH DEPOSITS]
					5.00	1.81		End of Borehole at 5.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

Windowless Sample Log

Borehole No. **WS107**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618455E - 134797N
Location:	Hythe, Kent		Level (m): 7.51
Equipment:	Windowless Sampler Terrier Rig		Dates: 14/04/2021

Scale 1:25

Logged By NJA

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								MADE GROUND comprising soft dark brown gravelly slightly sandy clay. Gravels are fine to coarse angular brick, concrete, clinker, ceramic and flint. Sands are fine to medium.
					0.70	6.81		MADE GROUND comprising soft brown sandy clay. Sands are fine to medium.
					1.20	6.31		MADE GROUND comprising dark brown gravelly sand. Gravels are fine to coarse angular to subangular concrete, ceramic and flint. Sands are fine to medium.
					1.50	6.01		MADE GROUND comprising greyish brown to brownish orange gravelly slightly clayey sand. Gravels are fine to coarse angular brick, concrete, flint and wood. Sads are fine to coarse.
					2.60	4.91		MADE GROUND comprising very dark grey gravelly sand. Gravels are fine to coarse angular to subangular flint, slate, clinker, charcoal and glass. Sands are fine to coarse. *Cloth.*
					3.30	4.21		Grey clayey GRAVEL. Gravels are fine to coarse rounded flint. [STORM BEACH DEPOSITS]
					4.00	3.51		End of Borehole at 4.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS108**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618429E - 134808N
Location:	Hythe, Kent		Level (m): 7.11
Equipment:	Windowless Sampler Terrier Rig		Dates: 14/04/2021

Scale 1:25

Logged By NJA

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								MADE GROUND comprising soft dark brown very slightly gravelly sandy clay. Gravels are fine to medium angular brick and flint. Sands are fine.
					1.60	5.51		MADE GROUND comprising soft brown very slightly gravelly sand clay. Gravels are fine to medium angular brick and flint. Sands are fine to medium.
								Angular coarse ceramic fragments.
								Angular cobbles of concrete.
					2.50	4.61		MADE GROUND comprising soft brownish orange slightly gravelly very sandy clay. Gravels are fine to medium angular concrete. Sands are medium.
								Becomes greenish grey.
					3.50	3.61		MADE GROUND comprising soft very dark brown gravelly clay. Gravels are fine to coarse angular to subrounded brick and flint.
					3.60	3.51		Grey clayey GRAVEL. Gravels are fine to coarse rounded flint. [STORM BEACH DEPOSITS]
					4.00	3.11		End of Borehole at 4.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS109**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618394E - 134785N
Location:	Hythe, Kent		Level (m): 7.45
Equipment:	Windowless Sampler Terrier Rig		Dates: 13/04/2021

Scale 1:25

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Dry vegetation overlying MADE GROUND comprising soft dark brown gravelly slightly sandy clay. Gravels are medium subangular to subrounded brick, flint and chalk. Sands are coarse.
					1.00	6.45		MADE GROUND comprising brown clayey gravel. Gravels are medium subangular concrete and brick.
					1.10	6.35		MADE GROUND comprising soft orangish brown gravelly sandy clay. Gravels are medium subangular to subrounded plastic, glass, wood and rare charcoal. Sands are coarse.
					1.90	5.55		MADE GROUND comprising soft brown very gravelly sandy clay. Gravels are coarse angular brick, concrete and glass. Sands are coarse.
					3.20	4.25		Pale brown sandy GRAVEL. Gravels are medium subrounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
					4.00	3.45		End of Borehole at 4.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS110**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618380E - 134800N
Location:	Hythe, Kent		Level (m): 7.40
Equipment:	Windowless Sampler Terrier Rig		Dates: 13/04/2021

Scale 1:25

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Dry vegetation overlying MADE GROUND comprising soft brown gravelly sandy clay. Gravels are medium angular flint, brick and ceramics. Sands are coarse.
					1.10	6.30		MADE GROUND comprising soft brown gravelly sandy clay. Gravels are coarse angular brick, tarmac and metal. Sands are coarse.
					1.90	5.50		MADE GROUND comprising orangish brown slightly gravelly slightly clayey sand. Gravels are fine subangular brick and plastic. Sands are coarse.
					2.40	5.00		MADE GROUND comprising greenish brown gravelly sand. Gravels are coarse subangular brick and charcoal. Sands are coarse.
					2.70	4.70		MADE GROUND comprising dark brown sandy gravel. Gravels are medium angular ceramics and charcoal. Sands are coarse.
					3.50	3.90		MADE GROUND comprising yellow gravelly sand. Gravels are coarse angular concrete and brick. Sands are coarse.
					3.90	3.50		MADE GROUND comprising dark brown sandy gravel. Gravels are medium angular ceramics and charcoal. Sands are coarse.
					4.30	3.10		Brown sandy clayey GRAVEL. Gravels are medium subrounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
					5.00	2.40		End of Borehole at 5.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS111**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618353E - 134785N
Location:	Hythe, Kent		Level (m): 6.28
Equipment:	Windowless Sampler Terrier Rig		Dates: 13/04/2021

Scale 1:25

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Dry vegetation overlying MADE GROUND comprising brown clayey gravel. Gravels are medium subrounded flint and plastic.
					0.30	5.98		MADE GROUND comprising greenish brown slightly gravelly sand. Gravels are fine angular brick. Sands are fine.
					0.90	5.38		MADE GROUND comprising soft orangish brown gravelly sandy clay. Gravels are medium subangular to subrounded plastic, glass, wood and rare charcoal. Sands are coarse.
					1.30	4.98		MADE GROUND comprising greenish brown slightly gravelly sand. Gravels are fine angular brick. Sands are fine.
								Charcoal fragments.
					2.30	3.98		Brown sandy GRAVEL. Gravels are medium subrounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
					3.00	3.28		End of Borehole at 3.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS112**

Sheet 1 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618312E - 134784N
Location:	Hythe, Kent		Level (m): 7.47
Equipment:	Windowless Sampler Terrier Rig		Dates: 13/04/2021

Scale 1:25

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Dry vegetation overlying MADE GROUND comprising soft dark brown gravelly slightly sandy clay. Gravels are medium subangular to subrounded brick, flint and chalk. Sands are coarse.
					1.10	6.37		MADE GROUND comprising soft orangish brown gravelly sandy clay. Gravels are medium subangular to subrounded plastic, glass, wood, cloth and rare charcoal. Sands are coarse.
					3.20	4.27		MADE GROUND comprising soft black very gravelly sandy clay with a weak hydrocarbon odour. Gravels are medium angular brick and concrete. Sands are coarse.
					4.40	3.07		Pale grey sandy GRAVEL. Gravels are medium subrounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
					4.80	2.67		Dark grey slightly gravelly SAND. Gravels are medium subrounded flint. Sands are coarse. [STORM BEACH
					5.00	2.47		Continued on Next Sheet

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS112**

Sheet 2 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618312E - 134784N
Location:	Hythe, Kent		Level (m): 7.47
Equipment:	Windowless Sampler Terrier Rig		Dates: 13/04/2021

Scale 1:25

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Dark grey slightly gravelly SAND. Gravels are medium subrounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
								End of Borehole at 5.00m

6

7

8

9

10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS113**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618276E - 134769N
Location:	Hythe, Kent		Level (m): 7.40
Equipment:	Windowless Sampler Terrier Rig		Dates: 13/04/2021

Scale 1:25

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Dry vegetation overlying MADE GROUND comprising soft dark brown gravelly slightly sandy clay. Gravels are medium subangular to subrounded brick, flint and chalk. Sands are coarse.
					1.10	6.30		MADE GROUND comprising soft orangish brown gravelly sandy clay. Gravels are medium subangular to subrounded plastic, glass, wood and rare charcoal. Sands are coarse.
					2.10	5.30		MADE GROUND comprising soft dark green mottled black gravelly slightly sandy clay with a moderate organic odour. Gravels are coarse angular concrete, slate, brick, plastic and cloth. Sands are coarse.
					3.00	4.40		MADE GROUND comprising soft dark green mottled black slightly sandy clay with a weak organic odour. Sands are coarse.
					3.90	3.50		MADE GROUND comprising soft black very gravelly sandy clay with a weak hydrocarbon odour. Gravels are medium angular brick and concrete. Sands are coarse.
					4.30	3.10		Pale grey sandy GRAVEL. Gravels are medium subrounded flint. Sands are coarse. [STORM BEACH DEPOSITS]
					5.00	2.40		End of Borehole at 5.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS114**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618231E - 134755N
Location:	Hythe, Kent		Level (m): 7.30
Equipment:	Windowless Sampler Terrier Rig		Dates: 08/04/2021

Scale 1:25

Logged By NJA

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Dry vegetation overlying MADE GROUND comprising soft greyish brown very slightly gravelly slightly sandy clay. Gravels are fine to coarse angular brick and flint. Sands are fine to medium.
					1.20	6.10		MADE GROUND comprising soft greyish brown to brownish orange slightly gravelly sandy clay. Gravels are fine to coarse angular brick, concrete, tile, glass and plastic. Sands are coarse.
								Occasional fleece / cloth blanket fragments.
					2.40	4.90		MADE GROUND comprising brownish grey slightly gravelly slightly sandy clay. Gravels are fine to medium angular brick and concrete. Sands are fine.
					3.10	4.20		Brown slightly sandy GRAVEL. Gravels are fine to medium subrounded to rounded flint. Sands are fine. [STORM BEACH DEPOSITS]
					5.00	2.30		End of Borehole at 5.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS115**

Sheet 1 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618217E - 134760N
Location:	Hythe, Kent		Level (m): 7.34
Equipment:	Windowless Sampler Terrier Rig		Dates: 08/04/2021

Scale 1:25

Logged By NJA

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Dry vegetation overlying MADE GROUND comprising soft greyish brown slightly gravelly slightly sandy clay. Gravels are fine to coarse angular brick and flint. Sands are fine to medium.
					1.15	6.19		MADE GROUND comprising dark brown slightly gravelly sand. Gravels are fine to coarse angular to subangular brick, flint and concrete. Sands are fine to coarse.
								Plastic.
					1.60	5.74		MADE GROUND comprising brownish orange to brown slightly gravelly sandy clay. Gravels are fine to medium angular flint, concrete, brick and plastic. Sands are fine.
					2.00	5.34		MADE GROUND comprising pale brown very slightly gravelly sand. Gravels are fine to coarse angular concrete. Sands are fine to medium.
					3.00	4.34		MADE GROUND comprising brownish orange to brown slightly gravelly sandy clay. Gravels are fine to medium angular flint, concrete and brick. Sands are fine.
								Plastic.
					4.30	3.04		Grey clayey GRAVEL. Gravels are fine to coarse rounded flint. [STORM BEACH DEPOSITS]
								Very dark grey staining (no odour).
								Continued on Next Sheet

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS115**

Sheet 2 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618217E - 134760N
Location:	Hythe, Kent		Level (m): 7.34
Equipment:	Windowless Sampler Terrier Rig		Dates: 08/04/2021

Scale 1:25

Logged By NJA

Checked By

Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Grey clayey GRAVEL. Gravels are fine to coarse rounded flint. [STORM BEACH DEPOSITS]
					5.20	2.14		Soft grey slightly sandy CLAY. Sands are medium to coarse. [TIDAL FLAT DEPOSITS]
					6.00	1.34		End of Borehole at 6.00m

6 7 8 9 10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS116**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618184E - 134740N
Location:	Hythe, Kent		Level (m): 7.33
Equipment:	Windowless Sampler Terrier Rig		Dates: 08/04/2021

Scale 1:25

Logged By NJA

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Dry vegetation overlying MADE GROUND comprising soft greyish brown very gravelly slightly sandy clay. Gravels are fine to coarse angular brick and flint. Sands are fine to medium.
					0.50	6.83		MADE GROUND comprising soft greyish brown to brownish orange slightly gravelly slightly sandy clay. Gravels are fine to coarse angular to subangular brick, concrete, flint and charcoal. Sands are coarse.
								Cobbles of angular concrete.
								Frequent wood and rare plastic.
								Abundant fleece / cloth blanket.
					2.80	4.53		MADE GROUND comprising dark grey gravelly clay. Gravels are fine to medium angular to subangular brick, flint and clinker.
					3.00	4.33		MADE GROUND comprising soft greyish brown to brownish orange slightly gravelly slightly sandy clay. Gravels are fine to coarse angular to subangular brick, concrete, flint and charcoal. Sands are coarse.
					3.90	3.43		MADE GROUND comprising soft grey sandy clay. Sands are fine.
					4.50	2.83		Soft brown gravelly CLAY. Gravels are fine to coarse rounded flint. [TIDAL FLAT DEPOSITS]
					5.00	2.33		End of Borehole at 5.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS117**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords:	618161E - 134753N	Scale 1:25
Location:	Hythe, Kent		Level (m):	7.19	Logged By NJA
Equipment:	Windowless Sampler Terrier Rig		Dates:	08/04/2021	Checked By

Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Dry vegetation overlying MADE GROUND comprising soft dark brown slightly sandy slightly gravelly clay. Gravels are fine to coarse angular brick and flint. Sands are fine to medium.
					0.85	6.34		MADE GROUND comprising slightly sandy gravel. Gravels are coarse angular brick and concrete. Sands are coarse.
					1.15	6.04		MADE GROUND comprising greenish grey slightly gravelly clayey sand. Gravels are fine to medium angular to subrounded brick, concrete and flint. Sands are fine. *Wood fragments.*
					2.05	5.14		MADE GROUND comprising soft brown slightly sandy slightly gravelly clay. Gravels are fine to coarse angular to subangular brick, concrete, flint and charcoal. Sands are coarse.
					2.30	4.89		MADE GROUND comprising soft very dark grey gravelly clay with a weak organic odour. Gravels are fine to coarse angular to subrounded concrete, flint and clinker.
					2.50	4.69		End of Borehole at 2.50m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS117A**

Sheet 1 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618160E - 134756N
Location:	Hythe, Kent		Level (m): 7.18
Equipment:	Windowless Sampler Terrier Rig		Dates: 08/04/2021

Scale 1:25

Logged By NJA

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Dry vegetation overlying MADE GROUND comprising soft dark brown slightly sandy slightly gravelly clay. Gravels are fine to coarse angular brick and flint. Sands are fine to medium.
					0.70	6.48		MADE GROUND comprising soft brown slightly gravelly slightly sandy clay. Gravels are fine to coarse angular to subangular brick, concrete, flint and charcoal. Sands are fine.
					1.20	5.98		MADE GROUND comprising greyish brown to brownish orange slightly gravelly clayey sand. Gravels are fine to medium angular brick, concrete, glass and plastic. Sands are fine to coarse.
					1.90	5.28		MADE GROUND comprising soft orangish brown slightly gravelly slightly sandy clay. Gravels are fine to coarse angular to subangular brick, concrete, flint, charcoal and plastic. Sands are fine.
					2.30	4.88		MADE GROUND comprising brown gravelly slightly clayey sand. Gravels are fine to coarse angular brick and concrete. Sands are fine to medium.
					2.70	4.48		MADE GROUND comprising grey slightly gravelly slightly sandy clay. Gravels are coarse brick. Sands are fine to medium.
					3.10	4.08		MADE GROUND comprising very dark grey gravelly sand. Gravels are fine to medium angular to subrounded concrete, flint and glass. Sands are fine to medium.
								Continued on Next Sheet

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS117A**

Sheet 2 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618160E - 134756N
Location:	Hythe, Kent		Level (m): 7.18
Equipment:	Windowless Sampler Terrier Rig		Dates: 08/04/2021

Scale 1:25

Logged By NJA

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					5.05	2.13		MADE GROUND comprising very dark grey gravelly sand. Gravels are fine to medium angular to subrounded concrete, flint and glass. Sands are fine to medium.
					5.20	1.98		Brown slightly sandy GRAVEL. Gravels are fine to medium subrounded to rounded flint. Sands are fine. [STORM BEACH DEPOSITS]
								Soft grey slightly sandy CLAY. Sands are medium to coarse. [TIDAL FLAT DEPOSITS]
					6.00	1.18		End of Borehole at 6.00m

6 7 8 9 10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

Windowless Sample Log

IDOM			Borehole No. WS118	Sheet 1 of 1
Project Name:	Princes Parade	Project No. 22281	Co-ords: 618125E - 134727N	Scale 1:25
Location:	Hythe, Kent		Level (m): 7.19	Logged By NJA
Equipment:	Windowless Sampler Terrier Rig		Dates: 08/04/2021	Checked By

Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Dry vegetation overlying MADE GROUND comprising soft dark brown very slightly sandy slightly gravelly clay. Gravels are fine to coarse angular brick and flint. Sand is fine to medium.
					0.60	6.58		MADE GROUND comprising soft brown slightly sandy slightly gravelly clay. Gravels are fine to coarse angular to subangular brick, concrete, flint and charcoal. Sands are coarse.
								Cobble of angular concrete.
					2.30	4.88		MADE GROUND comprising soft very dark grey gravelly clay with slight hydrocarbon odour. Gravels are fine to coarse angular to subrounded concrete, flint and clinker.
					2.60	4.58		MADE GROUND comprising brownish orange gravelly sand. Gravels are fine to medium angular concrete and flint. Sands are fine to coarse.
					2.90	4.28		MADE GROUND comprising brownish grey sandy gravel. Gravels are fine to coarse angular to subrounded flint and concrete. Sands are fine.
					3.20	3.98		Greyish brown slightly sandy GRAVEL. Gravels of fine to medium subrounded to rounded flint. Sands are fine. [STORM BEACH GRAVELS]
					4.00	3.18		End of Borehole at 4.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS119**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618091E - 134740N
Location:	Hythe, Kent		Level (m): 7.06
Equipment:	Windowless Sampler Terrier Rig		Dates: 09/04/2021

Scale 1:25

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Dry vegetation overlying soft brown gravelly very sandy clay. Gravels are medium subangular brick, concrete and flint. Sands are coarse.
					1.00	6.06		MADE GROUND comprising firm greenish brown gravelly sandy clay. Gravels are medium angular brick, flint, plastic, charcoal and glass. Sands are coarse.
					2.00	5.06		MADE GROUND comprising dark brown very sandy gravel. Gravels are medium angular concrete and brick. Sands are coarse.
					3.00	4.06		MADE GROUND comprising soft orangish brown gravelly sandy clay. Gravels are medium subangular to subrounded flint, brick, plastic and glass. Sands are coarse.
					4.30	2.76		MADE GROUND comprising dark grey sandy gravel. Gravels are medium angular flint and tarmac. Sands are coarse.
					4.50	2.56		Greenish grey slightly sandy CLAY. Sands are coarse subangular shells. [TIDAL FLAT DEPOSITS]
					5.00	2.06		End of Borehole at 5.00m

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS120**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 618045E - 134726N
Location:	Hythe, Kent		Level (m): 6.90
Equipment:	Windowless Sampler Terrier Rig		Dates: 09/04/2021

Scale 1:25

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Dry vegetation overlying soft brown gravelly very sandy clay. Gravels are medium subangular brick, concrete, plastic and flint. Sands are coarse.
					0.80	6.10		MADE GROUND comprising soft orangish brown gravelly sandy clay. Gravels are medium subangular to subrounded flint, brick, plastic and glass. Sands are coarse.
					1.00	5.90		MADE GROUND comprising greenish brown gravelly sand. Gravels are coarse angular brick. Sands are coarse.
					1.80	5.10		MADE GROUND comprising soft orangish brown gravelly sandy clay. Gravels are medium subangular to subrounded flint, brick, concrete and glass. Sands are coarse.
					3.00	3.90		MADE GROUND comprising soft dark grey very gravelly slightly sandy clay with a weak organic odour. Gravels are medium angular wood, glass, brick and concrete. Sands are coarse.
					3.50	3.40		MADE GROUND comprising soft orangish brown gravelly sandy clay. Gravels are medium subangular to subrounded flint, brick and glass. Sands are coarse.
					4.20	2.70		Greenish grey slightly sandy CLAY. Sands are coarse subangular shells. [TIDAL FLAT DEPOSITS]
					5.00	1.90		End of Borehole at 5.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS121**

Sheet 1 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 617986E - 134734N
Location:	Hythe, Kent		Level (m): 7.10
Equipment:	Windowless Sampler Terrier Rig		Dates: 09/04/2021

Scale 1:25

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Dry vegetation overlying soft brown gravelly very sandy clay. Gravels are medium subangular brick, concrete, plastic and flint. Sands are coarse.
					0.80	6.30		MADE GROUND comprising soft orangish brown gravelly sandy clay. Gravels are medium subangular to subrounded flint, concrete, brick and glass. Sands are coarse.
					1.40	5.70		MADE GROUND comprising dark brown very gravelly sandy clay. Gravels are coarse angular concrete and brick. Sands are coarse.
					2.60	4.50		MADE GROUND comprising soft dark green mottled black gravelly slightly sandy clay with a moderate hydrocarbon odour. Gravels are coarse angular concrete, brick and rare wood. Sands are coarse.
					4.90	2.20		MADE GROUND comprising dark grey sandy gravel.
					5.00	2.10		

Continued on Next Sheet

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS121**

Sheet 2 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 617986E - 134734N
Location:	Hythe, Kent		Level (m): 7.10
Equipment:	Windowless Sampler Terrier Rig		Dates: 09/04/2021

Scale 1:25

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND comprising dark grey sandy gravel. Gravels are medium angular flint and tarmac. Sands are coarse.
								Off-white gravelly clayey SAND. Gravels are medium subrounded flint. Sands are coarse [STORM BEACH DEPOSITS]
					6.00	1.10		End of Borehole at 6.00m

6
7
8
9
10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

Windowless Sample Log

IDOM			Borehole No. WS122 Sheet 1 of 2
Project Name: Princes Parade	Project No. 22281	Co-ords: 617967E - 134709N	Scale 1:25
Location: Hythe, Kent		Level (m): 7.96	Logged By SJM
Equipment: Windowless Sampler Terrier Rig		Dates: 09/04/2021	Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Dry vegetation overlying MADE GROUND comprising soft brown gravelly sandy clay. Gravels are medium to coarse subangular tarmac, plastic, brick and flint. Sands are coarse.
								Whole brick.
								Concrete.
					1.40	6.56		MADE GROUND comprising soft orangish brown gravelly sandy clay. Gravels are medium subangular to subrounded flint, brick and glass. Sands are coarse.
					2.10	5.86		MADE GROUND comprising soft dark brown very gravelly clay. Gravels are coarse angular wood.
					2.50	5.46		MADE GROUND comprising dark brown gravelly sandy clay. Gravels are fine subrounded to subangular flint and tarmac. Sands are coarse.
					3.10	4.86		MADE GROUND comprising soft dark green mottled black gravelly slightly sandy clay with a moderate hydrocarbon odour. Gravels are coarse angular concrete, slate, brick and plastic. Sands are coarse.
					4.90	3.06		MADE GROUND comprising dark grey sandy gravel.

Continued on Next Sheet

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS122**

Sheet 2 of 2

Project Name:	Princes Parade	Project No. 22281	Co-ords: 617967E - 134709N
Location:	Hythe, Kent		Level (m): 7.96
Equipment:	Windowless Sampler Terrier Rig		Dates: 09/04/2021

Scale 1:25

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								MADE GROUND comprising dark grey sandy gravel. Gravels are medium angular flint and tarmac. Sands are coarse.
					5.30	2.66		MADE GROUND comprising firm greenish grey slightly gravelly clay. Gravels are fine angular brick and flint.
					5.80	2.16		Greenish grey slightly sandy CLAY. Sands are coarse subangular shells. [TIDAL FLAT DEPOSITS]
					6.00	1.96		End of Borehole at 6.00m

6 7 8 9 10

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

IDOM

Windowless Sample Log

Borehole No. **WS123**

Sheet 1 of 1

Project Name:	Princes Parade	Project No. 22281	Co-ords: 617953E - 134687N
Location:	Hythe, Kent		Level (m): 7.75
Equipment:	Windowless Sampler Terrier Rig		Dates: 09/04/2021

Scale 1:25

Logged By SJM

Checked By

Well	Wtr Strk	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								Dry vegetation overlying MADE GROUND comprising soft brown gravelly slightly sandy clay. Gravels are medium to coarse subangular plastic, brick and flint. Sands are coarse.
					0.90	6.85		MADE GROUND comprising pale grey gravel. Gravels are coarse angular concrete.
					1.00	6.75		MADE GROUND comprising pale brown slightly gravelly very sandy clay. Gravels are medium subangular concrete and brick. Sands are fine to coarse.
					2.00	5.75		MADE GROUND comprising soft black mottled dark grey very gravelly sandy clay with a moderate hydrocarbon odour. Gravels are medium angular concrete, brick charcoal, glass, chalk and flint. Sands are coarse.
					4.20	3.55		MADE GROUND comprising soft dark green mottled black gravelly sandy clay with a moderate organic odour. Gravels are medium angular concrete and brick. Sands are coarse.
					4.70	3.05		Greenish grey slightly sandy CLAY. Sands are coarse subangular shells. [TIDAL FLAT DEPOSITS]
					5.00	2.75		End of Borehole at 5.00m

1 2 3 4 5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample

SPT(C) = Standard Penetration Test (Cone)
SPT(S) = Standard Penetration Test (Split Spoon)
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Remarks

Coordinates and levels, where indicated, must not be used for design purposes. The designer is responsible for verifying all site and setting out dimensions.

Services checked and C.A.T. cleared prior to drilling.

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
Approved	0.00 - 4.50	14 Jun 22 -	Machine excavated pit to 4.40m.	360 Excavator		WB	14 Jun 22	Width 1.20 m, Length 3.00 m, 135 (Deg)	Depth 0.00 - 4.50: No groundwater encountered; 1.80 - 4.20: Faces A & C collapsed	Coordinates, National Grid, System

Date	Time	Water	Samples Depth	Samples Type & No.	Samples Records	Field Tests Depth	Field Tests Type	Field Tests Records	Depth (Thickness)	Level	Legend	Strata Description Main	Strata Description Detail	Water Entry	Backfill
14 Jun 22	0800		0.50 0.50 - 0.70 0.50	D 1 B 2 ES 3					(1.60)			Stinging nettle over soft slightly sandy slightly gravelly silty CLAY. Sand is fine to medium. Gravel is sub-rounded to angular fine to coarse of flint, with rare boulder sized fragments of concrete (up to 620x400x250mm). With occasional gravel-sized fragments of red brick, glass, metal strips, plastic, ceramic and tyre. (MADE GROUND)			
			1.00 1.00 - 1.20	D 4 B 5											
			1.50	ES 6					1.60						
									(0.15)			Firm light yellowish brown mottled greenish grey slightly gravelly sandy CLAY. Sand if fine. Gravel is sub-rounded to rounded fine to medium of flint (FILL)			
									1.75			LANDFILL comprising: 40% matrix and black gravelly fine to coarse silty SAND. Gravel is sub-rounded fine to medium of brick, flint and concrete. 30% rusted metal strips and bars. 10% plastic. 10% decomposed wood fragments. 10% ash.			
			2.10	D 7											
			2.50	ES 8											
									(2.65)						
			3.50	ES 9											
14 Jun 22	1700								4.40						
			4.50 4.50	D 11 ES 10					(0.10) 4.50			Firm orangish brown mottled greenish grey slightly gravelly CLAY. Gravel is sub-rounded to rounded fine of flint (TIDAL FLAT DEPOSIT?) END OF EXPLORATORY HOLE			4.50

General Remarks

Stability	Unstable
Shoring	None
Weather	Sunny

Groundwater Entries

No.	Depth	Remarks	Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25

Printed 14 Jul 2022 09:09:36

AGS

Trial Pit TP205

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
Approved	0.00 - 5.00	15 Jun 22 - 15 Jun 22	Machine excavated pit to 5.00m.	360 Excavator		WB	15 Jun 22	Width 1.30 m, Length 3.50 m, 135 (Deg)	Depth 0.00 - 5.00: Remarks: No groundwater encountered	Coordinates National Grid System

Date	Time	Water	Samples: Depth	Samples: Type & No.	Samples: Records	Field Tests: Depth	Field Tests: Type	Field Tests: Records	Depth (Thickness)	Level	Legend	Strata Description: Main	Strata Description: Detail	Water Entry	Backfill
15 Jun 22	0800		0.50 0.50 - 0.60 0.50	D 1 B 2 ES 3		0.50	HV	p 14kPa, r 5kPa	(0.90)			Weeds over soft dark brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is sub-rounded to rounded fine to medium of flint with occasiona roots and rootlets, red brick. (MADE GROUND)			
			1.00 1.00 1.10 - 1.20	D 4 ES 5 B 6					0.90 (0.30) 1.20			Soft dark brown slightly gravelly very sandy CLAY. Sandy is fine to medium. Gravel is sub-angular to sub-rounded fine to coarse of flint, red brick, ceramic. (FILL)			
			2.00	ES 7								LANDFILL comprising: 50% slate. 20% Matrix: dark reddish brown gravelly silty sand. 15% bottles. 10% red bricks. 5% others (metal, paper, decayed organic)			
			3.00	ES 8					(3.80)						
			4.00	ES 9											
15 Jun 22	1600														
			5.00	ES 10					5.00			END OF EXPLORATORY HOLE			5.00

General Remarks

Stability	Partly unstable
Shoring	None
Weather	Sunny

Groundwater Entries

No. Depth Remarks — Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status: PRELIM

Scale 1:25
Printed 14 Jul 2022 09:09:37

AGS

Trial Pit: TP207

Sheet 1 of 1

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
Approved	0.00 - 5.00	15 Jun 22 - 15 Jun 22	Machine excavated pit to 5.00m.	360 Excavator		WB	15 Jun 22	Width 1.30 m, Length 3.60 m, 125 (Deg)	Depth 0.00 - 5.00: Remarks: No groundwater encountered.	Coordinates National Grid System

Date	Time	Water	Samples Depth	Type & No.	Records	Field Tests Depth	Type	Records	Depth (Thickness)	Level	Legend	Strata Description Main	Detail	Water Entry	Backfill
15 Jun 22	0800									0		Weeds over soft dark brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is sub-rounded to rounded fine to medium of flint. (MADE GROUND)			
			0.50 0.50 - 0.60	D 1 B 2		0.50	HV	p 13kPa, r 6kPa	(1.00)						
			1.00	ES 3					1.00	1		Dark brown slightly gravelly silty SAND. Gravel is sub-rounded to rounded fine to medium of flint. (FILL)			
			1.50 1.50 - 1.60	D 4 B 5					(0.70)						
			2.00	ES 6					1.70	2		LANDFILL comprising: 50% Matrix: dark brown to black slightly gravelly silty SAND, 15% rusted metal. 10% ceramic and glass. 10% red brick. 10% decayed organic fragments and ash. 5% other (plastic, paper, shell).			
			3.00	ES 7					(3.30)	3					
			4.00	ES 8						4					
			5.00	ES 9					5.00	5		END OF EXPLORATORY HOLE			5.00

General Remarks

Stability	Stable
Shoring	None
Weather	Sunny and light winds

Groundwater Entries

No. Depth Remarks Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25
Printed 14 Jul 2022 09:09:37

AGS

Trial Pit TP208

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
Approved	0.00 - 5.00	16 Jun 22 - 16 Jun 22	Machine excavated pit to 5.00m.	360 Excavator		WB	16 Jun 22	Width 1.30 m, Length 4.00 m, C/B/D/A, 180 (Deg)	Depth 0.00 - 5.00: Remarks: No groundwater encountered	Coordinates National Grid System

Date	Time	Water	Samples: Depth	Samples: Type & No.	Samples: Records	Field Tests: Depth	Field Tests: Type	Field Tests: Records	Depth (Thickness)	Level	Legend	Strata Description: Main	Strata Description: Detail	Water Entry	Backfill
16 Jun 22	0800								(0.60)			Weeds over soft dark brown slightly sandy gravelly silty CLAY. Sand is fine to medium. Gravel is sub-rounded to rounded fine to medium flint with frequent roots and rootlets with occasional shell fragments and plastic. (MADE GROUND)			
			0.45	D 1											
			0.50 - 0.60	B 2											
			0.50	ES 3					0.60						
			0.65	D 4											
			0.65 - 0.70	B 5											
									(0.60)			Light brown slightly gravelly silty fine to medium SAND. Gravel is sub-rounded to rounded fine to medium of flint,with rare gravel sized fragments of red brick. (FILL)			
									1.20						
												LANDFILL comprising. 50% Matrix: reddish brown silty gravelly sand. 10% metal. 10% red brick and concrete. 10% paper and plastic. 10% other (decayed organic material, ash shell fragments). 5% glass bottles.. 5% ceramic.			
			1.50	ES 6											
			2.50	ES 7											
									(3.80)						
			3.50	ES 8											
			4.50	ES 9											
16 Jun 22	1500														
									5.00			END OF EXPLORATORY HOLE			5.00

General Remarks

Stability	Stable
Shoring	None
Weather	Sunny and light winds

Groundwater Entries

No. Depth Remarks Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25

Printed 14 Jul 2022 09:09:37

AGS

Trial Pit TP209A

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks		Ground Level
	0.00 - 5.00	16 Jun 22 - 16 Jun 22	Machine excavated pit to 5.00m.	360 Excavator		WB	16 Jun 22	Width 1.30 m, Length 4.00 m, C/B/D/A, 175 (Deg)	Depth 0.00 - 5.00	Remarks No groundwater encountered	Coordinates
Approved											National Grid System

Date	Time	Water	Samples Depth	Samples Type & No.	Samples Records	Field Tests Depth	Field Tests Type	Field Tests Records	Depth (Thickness)	Level	Legend	Strata Description Main	Strata Description Detail	Water Entry	Backfill
16 Jun 22	0900								(0.80)	0.00		Soft dark brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is sub-rounded to rounded fine to medium of flint with frequent roots and rootlets, plastic. (MADE GROUND)			
			0.50	D 1											
			0.50 - 0.60	B 2											
			0.50	ES 3											
									(1.10)	0.80		Dark brown slightly gravelly silty fine to medium SAND. Gravel is angular to sub-rounded fine to coarse of flint and chalk. Frequent cobble sized fragments of concrete, red brick, metal, decayed wood fragments. (MADE GROUND)			
			0.95	D 4											
			1.00 - 1.20	B 5											
			1.50	ES 6											
									(3.10)	1.90		LANDFILL comprising 50% matrix of reddish brown gravelly silty fine to coarse sand, 20% slate slab (from 2.30m), 10% glass bottles, 10% concrete and bricks, 5% decayed wood/timber fragments, ash, 5% other (plastic, paper, meal).			
			2.50	ES 7											
			3.50	ES 8											
			4.50	ES 9											
16 Jun 22	1200														
										5.00		END OF EXPLORATORY HOLE			5.00

General Remarks

Stability	Stable
Shoring	None
Weather	Sunny

Groundwater Entries

No. Depth Remarks Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25

Printed 14 Jul 2022 09:09:38

AGS

Trial Pit TP210A

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
Approved	0.00 - 5.00	17 Jun 22 - 17 Jun 22	Machine excavated pit to 5.00m.	360 Excavator		WB	17 Jun 22	Width 1.30 m, Length 4.00 m, C/B/D/A, 35 (Deg)	Depth 0.00 - 5.00: Remarks: No groundwater encountered	Coordinates National Grid System

Date	Time	Water	Samples Depth	Samples Type & No.	Samples Records	Field Tests Depth	Field Tests Type	Field Tests Records	Depth (Thickness)	Level	Legend	Strata Description Main	Strata Description Detail	Water Entry	Backfill
17 Jun 22	0900		0.50	D 1					(1.40)			Weeds over dark brown slightly sandy gravelly CLAY. Sand is fine. Gravel is sub-rounded to rounded fine to medium o flint with occasional roots and rootlets; rare plastic and gravel sized red brick fragments. (MADE GROUND)	0.00-0.50 Very gravelly 1.20-1.30 Very gravelly		
			0.50	ES 2											
			1.50	ES 3					1.40			LANDFILL comprising 55% matrix of grey blue slightly clayey silty gravelly sand, 15% concrete and red bricks, 10% decayed wood fragments and ash, 10% metal, 5% glasses, 5% others: paper, rubber/plastic.			
			2.50	ES 4											
			3.50	ES 5					(3.60)						
			4.50	ES 6											
17 Jun 22	1200								5.00			END OF EXPLORATORY HOLE			5.00

General Remarks

Stability	Partially stable
Shoring	None
Weather	Sunny

Groundwater Entries

No. Depth Remarks Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25
Printed 14 Jul 2022 09:09:38

AGS

Trial Pit TP211

Sheet 1 of 1

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks		Ground Level
	0.00 - 4.80	20 Jun 22 - 20 Jun 22	Machine excavated pit to 4.80m.	360 Excavator		WB	20 Jun 22	Width 1.30 m, Length 4.00 m, 165 (Deg)	Depth 0.00 - 4.80	Remarks No groundwater encountered	Coordinates
Approved											National Grid System

Date	Time	Water	Samples Depth	Samples Type & No.	Samples Records	Field Tests Depth	Field Tests Type	Field Tests Records	Depth (Thickness)	Level	Legend	Strata Description Main	Strata Description Detail	Water Entry	Backfill
										0		Weeds over soft dark brown slightly sandy very gravelly CLAY. Gravel is sub-rounded to rounded fine to coarse of flint. With occasional roots and rootlets and rare gravel-sized fragments of glass bottles, red brick and concrete. (MADE GROUND)			
20 Jun 22	0900		0.50 0.50	D 1 ES 2					(0.90)						
									0.90	1		LANDFILL comprising: 50% Matrix: dark brown silty fine to coarse sand and gravel. 25% bricks and concrete tiles (grave and boulder). 15% Glass bottles and jars. 5% Plastic and paper. 5% metal.			
			1.50	ES 3					(1.50)						
									2.40	2		Firm to stiff greenish grey mottled orangish brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to sub-rounded of flint and ceramic bricks. (FILL)			
			2.50 2.55	ES 4 D 5					(0.20)						
									2.60			LANDFILL comprising: 60% Matrix: dark reddish brown silty gravelly fine to coarse sand. 20% Concrete, red bricks and ceramic. 10% plastic and paper. 5% tarmacadam. 5% metal.			
									(1.40)						
			3.50	ES 6						3					
									4.00			Light greyish brown slightly sandy clayey GRAVEL. Sand is fine to medium. Gravel is sub-rounded to rounded of flint. (STORM BEACH DEPOSIT)			
									(0.80)						
20 Jun 22	1600		4.50 4.50	D 8 ES 7						4					
									4.80			END OF EXPLORATORY HOLE			4.80
										5					

General Remarks

Stability	Partly stable
Shoring	None
Weather	Sunny

Groundwater Entries

No.	Depth	Remarks	Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25

Printed 14 Jul 2022 09:09:38

AGS

Trial Pit TP213

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
Approved	0.00 - 5.00	20 Jun 22 - 21 Jun 22	Machine excavated pit to 5.00m.	360 Excavator		WB	21 Jun 22	Width 1.30 m, Length 3.80 m, C/B/D/A, 270 (Deg)	Depth 0.00 - 5.00: No groundwater encountered; 2.00 - 5.00: Faces A and C partially collapsed from 2.00-5.00m	Coordinates; National Grid; System

Date	Time	Water	Samples: Depth	Type & No.	Records	Field Tests: Depth	Type	Records	Depth (Thickness)	Level	Legend	Strata Description: Main	Detail	Water Entry	Backfill
										0		Weeds over soft dark brown slightly sandy very gravelly CLAY. Sand is fine to medium. Gravel is sub-rounded to rounded fine to coarse of flint. With tree roots and rootlets and occasional sub-angular cobble of red brick. (MADE GROUND)			
20 Jun 22	1300		0.50	D 1					(0.85)						
			0.50	ES 2											
									0.85			Yellowish brown slightly gravelly slightly silty fine to medium SAND. (FILL)			
									(0.10)	1					
									0.95			LANDFILL comprising: 60% Matrix: dark brown slightly silty very gravelly SAND. 20% concrete, bricks, ceramic. 15% paper, plastic and glass. 5% metal.			
20 Jun 22	1530														
			1.50	ES 3											
21 Jun 22	0800														
										2					
			2.50	ES 4									2.50-4.50 Occasional concrete boulders		
									(4.00)						
										3					
			3.50	ES 5											
										4					
			4.50	ES 6											
21 Jun 22	1000														
			5.00	D7					4.95			Light greyish brown slightly sandy clayey sub-rounded to rounded fine to coarse GRAVEL of flint. (STORM BEAH DEPOSITS)			
									(0.05)	5					5.00
									5.00			END OF EXPLORATORY HOLE			

General Remarks

Stability	Partially stable
Shoring	None
Weather	Sunny

Groundwater Entries

No. | Depth | Remarks | Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status

PRELIM

Scale 1:25

Printed 14 Jul 2022 09:09:38

AGS

Trial Pit

TP215

Sheet 1 of 1

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks		Ground Level
	0.00 - 5.00	21 Jun 22 - 21 Jun 22	Machine excavated pit to 5.00m.	360 Excavator		WB	21 Jun 22	Width 1.30 m, Length 4.10 m, C/B/D/A, 270 (Deg)	Depth 0.00 - 5.00	Remarks No groundwater encountered	Coordinates
Approved											National Grid System

Date	Time	Water	Samples Depth	Samples Type & No.	Samples Records	Field Tests Depth	Field Tests Type	Field Tests Records	Depth (Thickness)	Level	Legend	Strata Description Main	Strata Description Detail	Water Entry	Backfill
21 Jun 22	1100								(0.75)	0		Soft dark brown slightly sandy very gravelly CLAY. Sand is fine to medium. Gravel is sub-rounded to rounded fine to coarse of flint. With occasional roots and rootlets and rare gravel-sized fragments of red brick. (MADE GROUND)			
			0.50 0.50	D 1 ES 2											
									0.75			LANDFILL comprising: 65% Matrix: Dark reddish brown silty gravelly fine to coarse sand. With rare angular to sub-angular cobble and boulder fragments of concrete. 15% ceramic, red brick, concrete. 10% glass, plastic, paper. 10% metal.			
			1.50	ES 3					(2.75)	1					
			2.50	ES 4						2					
			3.55 3.60	D 5 ES 6					3.50	3		Light orangish brown slightly sandy clayey sub-rounded to rounded fine to coarse GRAVEL. (STORM BEACH DEPOSITS)			
									(1.50)	4					
			4.50	ES 7											
21 Jun 22	1400								5.00	5		END OF EXPLORATORY HOLE			5.00

General Remarks

Stability	Partly Stable
Shoring	None
Weather	Sunny and moderate winds

Groundwater Entries

No. Depth Remarks Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25

Printed 14 Jul 2022 09:09:39

AGS

Trial Pit TP217

Sheet 1 of 1

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
Approved	0.00 - 5.00	22 Jun 22 - 22 Jun 22	Machine excavated pit to 5.00m.	360 Excavator		WB	22 Jun 22	Width 1.30 m, Length 4.60 m, 200 (Deg)	Depth 0.00 - 5.00; Remarks: No groundwater encountered.	Coordinates National Grid System

Date	Time	Water	Samples Depth	Type & No.	Records	Field Tests Depth	Type	Records	Depth (Thickness)	Level	Legend	Strata Description Main	Detail	Water Entry	Backfill
22 Jun 22	0800		0.50	D 1					(1.00)			Weeds over dark brown slightly sandy very gravelly CLAY. Sand is fine to medium. Gravel is sub-rounded to rounded fine to coarse of flint with frequent roots and rootlets and rare shell fragments (60mm x 120mm) glass and plastic fragments. (MADE GROUND)			
			0.50	ES 2											
									1.00			LANDFILL comprising 60% matrix of dark orangish brown clayey gravelly SAND and rare angular cobble and concrete, 20% ceramic, red brick and concrete, 10% glass, plastic and paper, 5% rusted metal, 5% other: ash, decayed wood.			
			1.50	ES 3											
			2.50	ES 4					(3.80)						
			3.50	ES 5											
			4.50	ES 6											
22 Jun 22	1200		4.90	D7		4.95	HV	p 103kPa, r 43kPa	4.80 (0.20) 5.00			Firm to stiff dark greyish brown slightly sandy slightly gravelly clayey SILT. Sand is fine. Gravel is sub-rounded to rounded fine to medium of flint.			
												END OF EXPLORATORY HOLE			5.00

General Remarks

Stability	Partially stable
Shoring	None
Weather	Sunny

Groundwater Entries

No. Depth Remarks Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25
Printed 14 Jul 2022 09:09:39

AGS

Trial Pit TP218

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks		Ground Level
	0.00 - 4.50	22 Jun 22 - 22 Jun 22	Machine excavated pit to 4.50m.	360 Excavator		WB	22 Jun 22	Width 1.30 m, Length 3.30 m, 180 (Deg)	Depth 0.00 - 4.50	Remarks No groundwater encountered	Coordinates
Approved											National Grid System

Date	Time	Water	Samples Depth	Samples Type & No.	Samples Records	Field Tests Depth	Field Tests Type	Field Tests Records	Depth (Thickness)	Level	Legend	Strata Description Main	Strata Description Detail	Water Entry	Backfill
22 Jun 22	1300		0.50 0.50	D 1 ES 2					(1.10)			Weeds over soft dark brown sandy very gravelly CLAY. Sand is fine to medium. Gravel is angular to sub-rounded fine to coarse of flint. With occasional roots and rootlets, rare shell fragments (up to 50x80mm) and occasional gravel sized fragments of red brick and glass. (MADE GROUND)			
			1.50	ES 3					1.10			LANDFILL comprising 65% matrix of dark brown silty gravelly fine to coarse SAND, 15% ceramic, brick and concrete, 10% rusted metal, 5% glass plastic, paper, 5% other.			
			2.50	ES 4					(2.30)						
			3.50	ES 5					3.40			Light orangish brown slightly sandy clayey sub-rounded to rounded fine to coarse GRAVEL. (STORM BEACH DEPOSIT)			
22 Jun 22	1600								(1.10)						
			4.50 4.50	D 7 ES 6					4.50			END OF EXPLORATORY HOLE			4.50

General Remarks

Stability	Partially Stable
Shoring	None
Weather	Sunny and moderate winds

Groundwater Entries

No. Depth Remarks Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25

Printed 14 Jul 2022 09:09:39

AGS

Trial Pit TP219

Sheet 1 of 1

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
Approved	0.00 - 5.00	23 Jun 22 - 23 Jun 22	Machine excavated pit to 5.0m.	360 Excavator		WB	23 Jun 22	Width 1.30 m, Length 5.00 m, C/B/D/A, 125 (Deg)	Depth 0.00 - 5.00: Remarks: No groundwater encountered during excavation.	Coordinates National Grid System

Date	Time	Water	Samples Depth	Samples Type & No.	Samples Records	Field Tests Depth	Field Tests Type	Field Tests Records	Depth (Thickness)	Level	Legend	Strata Description Main	Strata Description Detail	Water Entry	Backfill
23 Jun 22	0900								(0.70)			Weeds over dark brown slightly sandy very gravelly CLAY. Gravel is sub-rounded fine to coarse of flint. With occasional roots and rootlets and rare gravel-sized fragments of glass, plastic and red brick. [MADE GROUND]			
			0.50	D 1											
			0.50	ES 2											
									0.70						
									(0.90)			LANDFILL [Household waste] 60% matrix dark greyish brown slightly silty gravelly SAND.,20% plastic, paper, glass.,10% concrete, tarmacadam, red bricks, 5% partially decomposed wood with rare angular to sub-angular concrete boulder.			
			1.50	ES 3											
			1.65	D 4					1.60						
									(0.20)			Greenish grey slightly gravelly silty fine to medium SAND. Gravel is angular to sub-rounded fine to coarse of sandstone. [FILL]			
									1.80			LANDFILL [Household waste] 60% matrix dark greyish brown slightly silty gravelly SAND. 20% plastic, paper, glass, 10% concrete, tarmacadam, red bricks, 5% partially decomposed wood with rare angular to sub-angular concrete boulder.			
			2.50	ES 5											
									(2.70)				3.20 Becomes dark greyish black with pungent smell with rare ash		
			3.50	ES 6											
													4.00 Becomes slightly more difficult to excavate		
									4.50			Greenish grey slightly silty sandy sub-rounded to rounded fine to coarse GRAVEL. Sand is fine to coarse with rare sub-rounded to rounded cobble of flint. [STORM BEACH DEPOSIT]			
			4.60	ES 7											
			4.70	D 8											
23 Jun 22	1300								(0.50)						
									5.00			END OF EXPLORATORY HOLE			

General Remarks

Stability	Partially Stable
Shoring	None
Weather	Sunny

Groundwater Entries

No. | Depth | Remarks | Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25

Printed 14 Jul 2022 09:09:39

AGS

Trial Pit TP221

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
Approved	0.00 - 5.00	23 Jun 22 - 23 Jun 22	Machine excavated to 5.0m.	360 Excavator		WB	23 Jun 22	Width 1.30 m, Length 3.20 m, 120 (Deg)	Depth 0.00 - 5.00; Remarks: No groundwater encountered during excavation.	Coordinates National Grid System

Date	Time	Water	Samples Depth	Type & No.	Records	Field Tests Depth	Type	Records	Depth (Thickness)	Level	Legend	Strata Description Main	Detail	Water Entry	Backfill
23 Jun 22	1200		0.50	D 1					(0.85)			Weeds over dark brown slightly silty slightly sandy gravelly CLAY. Sand if fine to coarse. Gravel is sub-rounded to rounded fine to coarse of chert with frequent roots and rootlets. With rare gravel sized fragments of glass, concrete and brick. [MADE GROUND]			
			0.50	ES 2											
									0.85			LANDFILL [Household waste] 60% Matrix, 15% plastic, paper, glass, 15% concrete, brick, ceramic, 15% decayed wood frequent and ash. 5% rusted metal.	0.85-2.40 Matrix is reddish brown slightly clayey gravelly fine to coarse SAND. Gravel is sub-rounded to rounded fine to coarse of flint with occasional sub-angular cobble and boulder of concrete.		
			1.50	ES 3											
			2.50	ES 4									2.40-4.80 Matrix is dark greenish grey to black slightly gravelly silty fine to medium SAND. Gravel is sub-rounded to rounded fine to medium of flint.			
									(3.95)						
			3.50	ES 5											
			4.50	ES 6											
23 Jun 22	1600		4.90	D7					4.80 (0.20)			Light brownish grey silty slightly sandy sub-rounded to rounded fine to coarse GRAVEL of flint. Sand is fine to medium. [STORM BEACH DEPOSIT]			
									5.00			END OF EXPLORATORY HOLE			

General Remarks

Stability	Partially stable
Shoring	None
Weather	Sunny

Groundwater Entries

No. Depth Remarks Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25
Printed 14 Jul 2022 09:09:40

AGS

Trial Pit TP223

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
Approved	0.00 - 5.00	24 Jun 22 - 24 Jun 22	Machine excavated pit to 5.00m.	360 Excavator		WB	24 Jun 22	Width 1.20 m, Length 3.60 m, C/B/D/A, 50 (Deg)	Depth 0.00 - 5.00: Remarks: No groundwater encountered during excavation.	Coordinates National Grid System

Date	Time	Water	Samples: Depth	Type & No.	Records	Field Tests: Depth	Type	Records	Depth (Thickness)	Level	Legend	Strata Description: Main	Detail	Water Entry	Backfill
24 Jun 22	0900								(0.70)			Weeds over: Dark brown slightly sandy very gravelly CLAY. Sand is fine to medium. Gravel is sub-rounded to rounded fine to coarse of flint. With occasional roots and rootlets and plastic. With rare shell fragments and gravel sized frequent of red brick. [MADE GROUND]			
			0.50	D 1											
			0.60	ES 2		0.60	PID	0.0 ppmv (Test 1)	0.70			Landfill: 70% Matrix: orangish brown slightly silty gravelly fine to coarse SAND, 15% plastic, paper, glass, 10% concrete, ceramic, brick, 3% rusted metal, 2% other: tarmacadam, decayed wood fragments and ash.	0.75-2.50 Frequent plastic and household waste		
			1.50	ES 3		1.50	PID	0.2 ppmv (Test 1)	(3.05)						
			2.50	ES 4		2.50	PID	0.1 ppmv (Test 1)							
			3.50	ES 5		3.50	PID	1.9 ppmv (Test 1)	3.75			LANDFILL 70% matrix dark greenish greyish mottled greyish brown slightly silty slightly clayey fine to medium SAND, 15% plastic, paper, glass, 10% concrete, ceramic, brick, 3% rusted metal, 2% other: tarmacadam, decayed wood fragments and ash.			
			4.50	ES 6		4.50	PID	1.8 ppmv (Test 1)	(1.25)						
24 Jun 22	1100								5.00			END OF EXPLORATORY HOLE			

General Remarks

Stability	Partially Stable
Shoring	None
Weather	Cloudy

Groundwater Entries

No. Depth Remarks Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25
Printed 14 Jul 2022 09:09:40

AGS

Trial Pit TP224

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
Approved	0.00 - 5.00	24 Jun 22 - 24 Jun 22	Machine excavated pit to 5.00m.	360 Excavator		WB	24 Jun 22	Width 1.30 m, Length 3.50 m, 325 (Deg)	Depth 0.00 - 5.00: Remarks: No groundwater encountered during excavation.	Coordinates National Grid System

Date	Time	Water	Samples Depth	Type & No.	Records	Field Tests Depth	Type	Records	Depth (Thickness)	Level	Legend	Strata Description Main	Detail	Water Entry	Backfill
24 Jun 22	1100									0		Weeds over dark brown slightly sandy very gravelly CLAY. Gravel is sub-rounded to rounded fine to coarse of flint. With frequent roots and rootlets with rare gravel sized fragments of red brick, glass. [MADE GROUND]			
			0.45 0.50	D 1 ES 2		0.50	PID	0.0 ppmv (Test 1)	(1.00)						
										1.00		Landfill: 55% Matrix: Dark brown slightly silty gravelly fine to coarse sand. 25% Concrete, bricks and ceramic. 10% Paper, Plastic, Glass, Cable. 5% Rusted metal. 5% Other: Decayed wood and ash. [MADE GROUND]	2.30 Frequent angular to sub-angular large boulder of concrete		
			1.50	ES 3		1.50	PID	0.0 ppmv (Test 1)							
									(2.20)						
			2.50	ES 4		2.50	PID	0.0 ppmv (Test 1)							
										3.20		Firm to stiff dark greenish grey slightly gravelly silty CLAY. Gravel is sub-rounded to rounded fine to coarse of flint. With occasional gravel sized fragments of red brick and concrete. (MADE GROUND)			
			3.50	ES 5		3.50	PID	0.0 ppmv (Test 1)							
									(1.80)						
			4.50	ES 6		4.50	PID	0.0 ppmv (Test 1)							
24 Jun 22	1400									5.00		END OF EXPLORATORY HOLE			

General Remarks

Stability: Partially Stable
Shoring: None
Weather: Sunny

Groundwater Entries
No. Depth Remarks Sealed

Notes
For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project Princes Parade
Project No. G2028-22
Carried out for BAM Construction Ltd

Status PRELIM

Scale 1:25
Printed 14 Jul 2022 09:09:40

AGS

Trial Pit TP226

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
Approved	0.00 - 5.00	27 Jun 22 - 27 Jun 22	Machine excavated pit to 5.00m.	360 Excavator		WB	27 Jun 22	Width 1.30 m, Length 3.50 m, 130 (Deg)	Depth 0.00 - 5.00: Remarks: No groundwater encountered during excavation.	Coordinates National Grid System

Date	Time	Water	Samples Depth	Type & No.	Records	Field Tests Depth	Type	Records	Depth (Thickness)	Level	Legend	Strata Description Main	Detail	Water Entry	Backfill
27 Jun 22	0900								(0.75)			Weeds over: dark brown slightly sandy very gravelly CLAY. Sand is fine to medium. Gravel is sub-rounded to rounded fine to coarse of flint with occasiona gravel sized fragments of brick, concrete and glass. Frequent roots and rootlets up to 0.5m. (MADE GROUND)			
			0.45 0.50	D 1 ES 2		0.50	PID	1.5 ppmv (Test 1)	0.75			LANDFILL comprising matrix 60% of dark orangish brown very gravelly clayey fine to coarse SAND, 15% concrete, brick, and ceramic,10% plastic, paper, glass bottles, 10% other: fabric, wool, decayed wood, fragments of ash, 5% rusted metal.			
			1.50	ES 3		1.50	PID	0.2 ppmv (Test 1)					2.00-3.50 Frequent sub-angular concrete boulders		
									(2.65)						
			2.50	ES 4		2.50	PID	1.1 ppmv (Test 1)					2.50-3.50 Frequent multi-colour woolen fabric		
			3.50	ES 5		3.50	PID	0.0 ppmv (Test 1)	3.40			LANDFILL comprising 60% matrix of dark grey mottled orangish brown gravelly fine to coarse silty SAND, 15% concrete, brick, ceramic, 10% plastic, paper, glass bottles. 10% other: fabric, wool, decayed wood, fragments of ash, 5% rusted metal.	3.40 Becomes very dark grey to black with pungent smell		
									(1.45)						
			4.50	ES 6		4.50	PID	2.6 ppmv (Test 1)							
27 Jun 22	1200								4.85						
									(0.15)			Very dark grey to black sandy silty GRAVEL. Sand is fine to coarse. Gravel is sub-rounded fine to coarse of flint with occasional gravel sized frequent of concrete, brick and plastic.	4.85-5.00 Slightly organic odour		
									5.00			END OF EXPLORATORY HOLE			

General Remarks

Stability	Partially Stable
Shoring	None
Weather	Sunny and moderate winds

Groundwater Entries

No. Depth Remarks Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25
Printed 14 Jul 2022 09:09:40

AGS

Trial Pit TP228

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks		Ground Level
	0.00 - 5.00	27 Jun 22 - 27 Jun 22	Machine excavated pit to 5.00m.	360 Excavator		WB	27 Jun 22	Width 1.30 m, Length 3.40 m, 340 (Deg)	Depth 0.00 - 5.00	Remarks No groundwater encountered during excavation.	Coordinates
Approved											National Grid System

Date	Time	Water	Samples Depth	Type & No.	Records	Field Tests Depth	Type	Records	Depth (Thickness)	Level	Legend	Strata Description Main	Detail	Water Entry	Backfill
27 Jun 22	1200		0.45 0.50	D 1 ES 2		0.50	PID	0.3 ppmv (Test 1)	(1.00)			Dark brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is sub-rounded to rounded fine to coarse of flint with occasional roots and rootlets and occasional gravel sized frequent of brick, concrete and rare sub-angular boulder of concrete [MADE GROUND]			
									1.00			LANDFILL comprising 65% matrix of orangish brown slightly gravelly very sandy CLAY, 10% concrete, brick, ceramic, 15% glass, paper, plastic, 5% decayed wood timber and ash, 5% rusted metal and fabric.			
			1.50	ES 3		1.50	PID	10.3 ppmv (Test 1)	(1.20)				2.00-3.00 Occasional car tyres and plastic fragments		
									2.20			LANDFILL comprising 65% matrix of firm dark greenish grey slightly gravelly sandy CLAY, 10% concrete, brick, ceramic, 15% glass, paper, plastic, 5% decayed wood timber and ash, 5% rusted metal and fabric.			
			2.50	ES 4		2.50	PID	0.1 ppmv (Test 1)							
			3.50	ES 5		3.50	PID	8.8 ppmv (Test 1)	(2.75)						
			4.50	ES 6		4.50	PID	1.7 ppmv (Test 1)							
27 Jun 22	1520								4.95			Dark greenish grey sandy sub-rounded to rounded fine to coarse GRAVEL. With occasional gravel sized fragments of glass and brick. Sand is fine to coarse. [STORM BEACH DEPOSIT]			
									(0.05)						
									5.00			END OF EXPLORATORY HOLE			

General Remarks

Stability	Partially Stable
Shoring	None
Weather	Sunny and moderate winds

Groundwater Entries

No.	Depth	Remarks	Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25

Printed 14 Jul 2022 09:09:41

AGS

Trial Pit TP233

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
Approved	0.00 - 2.50	28 Jun 22 - 28 Jun 22	Machine excavated pit to 2.50m.	360 Excavator		WB	28 Jun 22	Width 1.30 m, Length 3.20 m, 110 (Deg)	Depth 0.00 - 2.50: Remarks: No groundwater encountered during excavation. Face A composed of brick wall material.	Coordinates National Grid System

Date	Time	Water	Samples: Depth	Samples: Type & No.	Samples: Records	Field Tests: Depth	Field Tests: Type	Field Tests: Records	Depth (Thickness)	Level	Legend	Strata Description: Main	Strata Description: Detail	Water Entry	Backfill
28 Jun 22	0900		0.45 0.50	D 1 ES 2		0.50	PID	0.0 ppmv (Test 1)	(1.20)			Dark brown sandy sub-rounded to rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. With occasional cobble and gravel-sized fragments of red brick, concrete, plastic, glass and tarmacadam. (MADE GROUND)	0.00-0.20 Occasional rootlets		
			1.50	ES 3		1.50	PID	0.0 ppmv (Test 1)	(1.30)	1.20		Brown slightly clayey sandy sub-rounded to rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. With frequent angular cobble of red brick and concrete. Occasional gravel-sized fragments of concrete, red brick, rusted metal and glass. (MADE GROUND)			
28 Jun 22	1100		2.50	ES 4		2.50	PID	0.0 ppmv (Test 1)		2.50		END OF EXPLORATORY HOLE			2.50

General Remarks

Trial Pit location asset to 5.00m o the East from its original position due to close proximity of japanese knotweed. Termination Reason: Due to collapse of walls at 2.50m

Stability	Unstable
Shoring	None
Weather	Sunny and moderate winds

Groundwater Entries

No.	Depth	Remarks	Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status

PRELIM

Scale 1:25

Printed 14 Jul 2022 09:09:41

AGS

Trial Pit

TP235

Sheet 1 of 1

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
	0.00 - 3.00	28 Jun 22 - 28 Jun 22	Machine excavated pit to 3.00m.	360 Excavtor		WB	28 Jun 22	Width 1.40 m, Length 3.20 m, 162 (Deg)	Depth 0.00 - 3.00: Remarks: No groundwater encountered during excavation.	Coordinates
Approved										National Grid / System

Date	Time	Water	Samples: Depth	Type & No.	Records	Field Tests: Depth	Type	Records	Depth (Thickness)	Level	Legend	Strata Description: Main	Detail	Water Entry	Backfill
28 Jun 22	1130		0.45	D 1								Dark brown sandy slightly clayey GRAVEL. Sand is fine to coarse. Gravel is sub-rounded to rounded fine to coarse of flint. With occasional roots and rootlets gravel-sized fragments of slate, red brick, tarmacadam and concrete. Rare angular to sub-angular cobble of concrete, rare angular large cobble-sized of time and rare angular metal bars (up to 50mm x 400mm). (MADE GROUND)			
			0.50	ES 2		0.50	PID	0.0 ppmv (Test 1)							
			1.50	ES 3		1.50	PID	0.0 ppmv (Test 1)	(3.00)				1.60-1.70 Frequent angular cobble of red brick.		
			2.50	ES 4		2.50	PID	0.0 ppmv (Test 1)							
28 Jun 22	1400														
									3.00			END OF EXPLORATORY HOLE			3.00

General Remarks

Termination Reason: Due to collapse of walls from 0.50m to 3.00m.

Stability	Unstable
Shoring	None
Weather	Sunny

Groundwater Entries

No. Depth Remarks Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status

PRELIM

Scale 1:25

Printed 14 Jul 2022 09:09:41

AGS

Trial Pit

TP237

Sheet 1 of 1

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
	0.00 - 3.00	29 Jun 22 - 29 Jun 22	Machine excavated pit to 3.00m.	360 Excavator		WB	29 Jun 22	Width 0.80 m, Length 2.60 m, 185 (Deg)	Depth: 0.00 - 3.00, 0.30 - 1.50 / Remarks: No groundwater encountered, Face A partially collapsed.	Coordinates
Approved										National Grid / System

Date	Time	Water	Samples: Depth	Type & No.	Records	Field Tests: Depth	Type	Records	Depth (Thickness)	Level	Legend	Strata Description: Main	Detail	Water Entry	Backfill
29 Jun 22	1000					0.35	HV	p 13kPa, r 5kPa	(0.50)			Weeds over dark brown slightly gravelly very sandy CLAY. Sand is fine to coarse. Gravel is sub-rounded to rounded fine to medium of flint. With frequent roots and rootlets (up to 0.5m). With occasional gravel-sized fragments of red brick, ceramic and metal. (MADE GROUND)			
			0.45 - 0.50	B1					0.50			LANDFILL comprising: 70% Matrix: dark brown silty gravelly fine to coarse SAND. With rare angular to sub-angular boulder of concrete. 10% glass bottles, ceramic. 10% red brick, concrete. 10% others: rusted metal, fabric, cables, leather, tarmacadam, decomposed timber and ash. (MADE GROUND)			
			1.00	D2											
			1.00 - 1.10	B3											
									(2.50)						
			2.00	D4											
29 Jun 22	1200														
			3.00	D5					3.00			END OF EXPLORATORY HOLE			3.00

General Remarks

Stability	Partly stable
Shoring	None
Weather	Sunny

Groundwater Entries

No. Depth Remarks Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25
Printed 14 Jul 2022 09:09:41

AGS

Trial Pit TP240

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks	Ground Level
Approved	0.00 - 3.00	29 Jun 22 - 29 Jun 22	Machine excavated pit to 3.00m.	360 Excavator		WB	29 Jun 22	Width 0.80 m, Length 2.70 m, 160 (Deg)	Depth: 0.00 - 3.00, 1.50 - 2.50; Remarks: No groundwater encountered. Faces A & C slightly collapsed.	Coordinates National Grid System

Date	Time	Water	Samples: Depth	Samples: Type & No.	Samples: Records	Field Tests: Depth	Field Tests: Type	Field Tests: Records	Depth (Thickness)	Level	Legend	Strata Description: Main	Strata Description: Detail	Water Entry	Backfill
29 Jun 22	1300								(0.30)	0.30		Weeds over soft to firm dark brown slightly gravelly slightly sandy CLAY. With occasional gravel-sized fragments of red brick and concrete. Sand is fine to medium. Gravel is sub-rounded to rounded fine to medium of flint. With occasional roots and rootlets. (MADE GROUND)			
			0.50 - 0.60	B1		0.45	HV	p 18kPa, r 9kPa				Dark brown slightly silty slightly gravelly fine to medium SAND. Gravel is sub-rounded to rounded fine to coarse of flint. With occasional gravel-sized fragments of concrete, red brick, slate, ceramic and glass. With rare sub-angular cobble of concrete and brick. (MADE GROUND)			
			1.00	D2											
			1.00 - 1.10	B3											
									(2.20)						
			2.00	D4											
										2.50		LANDFILL comprising: 70% matrix: dark brown silty gravelly fine to coarse SAND. 15% concrete, brick. 5% burnt and decomposed wood and ash. 5% ceramic, glass. 5% other: rusted metal, plastic, wire/cable. (MADE GROUND)			
29 Jun 22	1500								(0.50)						
			3.00	D5						3.00		END OF EXPLORATORY HOLE			3.00

General Remarks

Stability	Partially stable
Shoring	None
Weather	Sunny

Groundwater Entries

No. Depth Remarks Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25

Printed 14 Jul 2022 09:09:41

AGS

Trial Pit TP241

Sheet 1 of 1

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks		Ground Level
	0.00 - 3.00	29 Jun 22 - 29 Jun 22	Machine excavated pit to 3.00m.	360 Excavator		WB	29 Jun 22	Width 0.80 m, Length 3.00 m, C/B/D/A, 175 (Deg)	Depth 0.00 - 3.00	Remarks No groundwater encountered.	Coordinates
Approved											National Grid System

Date	Time	Water	Samples Depth	Type & No.	Records	Field Tests Depth	Type	Records	Depth (Thickness)	Level	Legend	Strata Description Main	Detail	Water Entry	Backfill
29 Jun 22	0800								(0.50)			Weeds over soft to firm dark brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is sub-rounded to rounded fine to coarse flint. With frequent roots and rootlets. With occasional gravel-sized fragments of red brick, plastic, rusted metal. (MADE GROUND)			
						0.40	HV	p 14kPa, r 5kPa							
			0.50 - 0.60	B1					0.50			Dark brown slightly clayey slightly gravelly fine to coarse SAND. Gravel is sub-rounded to rounded fine to coarse of flint. With rare shell fragments. (MADE GROUND)			
			1.00	D2											
			1.00 - 1.10	B3					(1.20)						
									1.70			Light brown slightly gravelly fine to coarse SAND. Gravel is sub-rounded to rounded fine to medium of flint. (FILL)			
			2.00	D4					(0.60)						
									2.30			LANDFILL comprising: 70% matrix: dark grey to black slightly silty gravelly fine to coarse SAND. 15% decomposed/burnt wood fragments and ash. 10% glass, ceramic. 5% other: rusted metal and plastic. (MADE GROUND)			
29 Jun 22	1000								(0.70)						
			3.00	D5					3.00			END OF EXPLORATORY HOLE			3.00

General Remarks

Stability	Stable
Shoring	None
Weather	Sunny

Groundwater Entries

No. Depth Remarks Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25

Printed 14 Jul 2022 09:09:42

AGS

Trial Pit TP242

Sheet 1 of 1

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged
Approved	0.00 - 3.00	30 Jun 22 - 30 Jun 22	Machine excavated pit to 3.00m.	360 Excavator		WB	30 Jun 22

Dimensions and Orientation

Width 0.90 m
Length 2.50 m
C / B / D / A
180 (Deg)

Depth Related Remarks

Depth	Remarks
0.00 - 3.00	No groundwater encountered.
0.20 - 1.65	Face A collapsec from 0.20-1.65. Faces A, B and C collapsed at 0.90m.

Ground Level
Coordinates
National Grid
System

Date	Time	Water	Samples: Depth	Samples: Type & No.	Samples: Records	Field Tests: Depth	Field Tests: Type	Field Tests: Records	Depth (Thickness)	Level	Legend	Strata Description: Main	Strata Description: Detail	Water Entry	Backfill
30 Jun 22	0800								(0.30)			Dark brown slightly gravelly very sandy silty CLAY. Sand is fine to medium. Gravel is sub-rounded to rounded fine to coarse of flint. With frequent roots and rootlets. With rare gravel-sized fragments of red brick, glass and plastic. (MADE GROUND)			
			0.45 - 0.50	B1					0.30			Light brown slightly gravelly silty fine to medium SAND. With rare gravel-sized fragments of red brick and concrete. Gravel is sub-rounded to rounded fine to medium of flint. (FILL) (MADE GROUND)			
									(0.80)						
			1.00	D2											
			1.00 - 1.10	B3					1.10			LANDFILL comprising: 60% Matrix: dark brownish grey and oragnish brown silty very gravelly fine to coarse SAND. With occasional sub-angular cobble-sized fragments of concrete and brick. 15% concrete, trick, ceramic, asbestos roofing sheet 10% rusted metal. 10% glass bottles, plastic, cable. 5% others: ash, burnt wood.	1.70-1.75 Greyish brown sub-rounded to rounded fine to medium gravel of flint.		
			2.00	D4					(1.90)						
30 Jun 22	1030														
			3.00	D5					3.00			END OF EXPLORATORY HOLE			3.00

General Remarks

Stability	Unstable
Shoring	None
Weather	Cloudy

Groundwater Entries

No.	Depth	Remarks	Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status

PRELIM

Scale 1:25
Printed 14 Jul 2022 09:09:42

AGS

Trial Pit

TP243

Sheet 1 of 1

Trial Pit Log

PRELIM

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Dimensions and Orientation	Depth Related Remarks		Ground Level
	0.00 - 3.00	30 Jun 22 - 30 Jun 22	Machine excavated pit to 3.00m.	360 Excavator		WB	30 Jun 22	Width 0.90 m, Length 2.50 m, 175 (Deg)	Depth	Remarks	Coordinates
Approved									0.00 - 3.00	No groundwater encountered	National Grid
									1.60 - 2.00	Faces B and C partly collapsed.	System

Date	Time	Water	Samples Depth	Type & No.	Records	Field Tests Depth	Type	Records	Depth (Thickness)	Level	Legend	Strata Description Main	Detail	Water Entry	Backfill
30 Jun 22	1000								(0.40)	0.40		Weeds over soft to firm dark brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is sub-rounded to rounded fine to coarse of flint. With occasional roots and rootlets, gravel-sized and cobble-sized of brick and concrete. (MADE GROUND)			
			0.45 - 0.50	B1					(0.50)	0.90		Dark greyish brown and or brown slightly gravelly fine to medium SAND. Gravel is sub-rounded to rounded fine to medium of flint. With rare gravel-sizec fragments of concrete, red brick. (FILL) (MADE GROUND)			
			1.00	D2								LANDFILL comprising: 65% Matrix: dark brown grey silty very gravelly fine to coarse SAND. 10% concrete, red brick. 10% ceramic, glass, plastic. 10% ash and burnt wood. 5% rusted metal.			
			1.00 - 1.10	B3											
			2.00	D4					(1.95)	2.85					
30 Jun 22	1200								(0.15)			Light yellowish brown mottled greyish brown slightly gravelly clayey fine to medium SAND. Gravel is sub-rounded to rounded fine to coarse of flint. With rare gravel-sized fragments of red brick and concrete. (MADE GROUND)			
			3.00	D5						3.00		END OF EXPLORATORY HOLE			3.00

General Remarks

Stability	Partially Stable
Shoring	None
Weather	Cloudy

Groundwater Entries

No. Depth Remarks Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Princes Parade
Project No.	G2028-22
Carried out for	BAM Construction Ltd

Status PRELIM

Scale 1:25
Printed 14 Jul 2022 09:09:42

AGS

Trial Pit TP244

APPENDIX 3

- Soil Chemistry
- Summary Spreadsheet

	IDOM MEREBROOK 2015								IDOM MEREBROOK 2017								IDOM MEREBROOK 2021							SOCOTEC 2022													
	2015	2015	2015	2015	2015	2015	2015	2015	2017	2017	2017	2017	2017	2017	2017	2017	21-12086	21-12074	21-12074	21-12074	21-11540	21-11540	21-12074	Socotec												
Sample Location	MTP1	MTP2	MTP3	MTP5	MWS1	MWS2	MWS4	MWS6	HP1	HP2	HP4	HP5	HP6	HP7	HP8	HP9	TP103	TP105	TP108	TP114	TP126	TP130	TP131	TP205	TP217	TP207	TP213	TP215	TP218	TP219	TP210A	TP221	TP223	TP226	TP228	TP233	TP235
Depth	0.30-0.40	0.20-0.40	0.30-0.50	0.40-0.60	0.40-0.50	0.40-0.60	0.30-0.50	0.30-0.50	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30	0.20-0.30	0.3	0.3	0.4	0.3	0.40	030	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Determinand																																				
Arsenic	14	13	9.1	9.7	16	10	23	16	28	8.4	13	14	14	5.7	12	11	30	22	21	20	13	16	26	6.88	<.6	8.3	15.4	10.3	7.93	8.01	12.30	12.00	11.60	14.00	13.20	13.20	11.10
Cadmium	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.8	7.6	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.53	0.2	<.1	1.8	0.23	0.34	<.1	0.419	<.02	0.112	0.171	0.207	<.02	0.153	0.34	0.21	0.32	0.27	0.19	0.23	0.14
Hexavalent Chromium	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6	<.6
Chromium	35	25	18	23	28	29	64	26	48	18	21	21	31	20	35	13	41	26	24	26	25	24	67	8.11	<.9	6.04	12.8	12.2	15.4	19.6	18.80	9.99	21.40	19.70	11.30	13.20	8.50
Copper	46	27	30	27	120	31	4	48	210	15	46	32	11	30	31	13	56	25	51	27	1700	18	82	17.9	<1.4	13.7	33	25	82.8	15.3	15.50	22.30	14.60	14.60	24.20	23.80	20.70
Lead	150	91	82	110	190	340	23	150	550	24	120	120	30	120	180	39	230	70	130	90	89	68	180	96.1	12.7	60.7	108	80.7	66.6	65.6	45.00	91.30	52.40	44.80	96.00	86.90	50.00
Mercury	1.3	0.3	0.3	0.3	0.5	0.5	0.3	0.3	5.6	0.3	0.9	0.3	0.3	2.1	0.3	0.3	1.1	0.21	0.36	0.43	0.19	0.14	0.35	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Nickel	24	25	18	23	44	20	52	26	51	14	21	18	23	17	17	12	33	28	24	26	24	19	29	25.8	0.396	11.1	22.2	25.2	27.7	19.9	18.30	17.10	17.10	18.50	18.90	18.10	23.40
Selenium	1	1	1	1	2.2	1.9	1	1	1	1	1	1	1	1	1	1	0.51	0.26	0.43	0.51	<.2	<.2	<.2	<1.	<1.	<1.	1.10	<1.	1.26	1.11	<1.	<1.	<1.	<1.	1.02	1.01	<1.
Zinc	150	130	120	120	230	120	66	370	7600	49	170	150	53	200	540	53	230	93	110	100	110	120	140	128	3.05	121	137	209	105	119	88.90	113.00	83.50	75.00	143.00	127.00	98.30
pH	7.9	7.3	8	7.6	8.5	8.5	7.8	9	7.6	8	7.8	8	8	8.2	7.8	7.7	8.4	8	8.2	8.2	8.1	11.1	9	8.34	8.22	7.73	7.64	7.81	7.93	8.01	7.88	8.33	8.18	7.50	8.07	8.55	9.19
Cyanide total	< 1.	< 1.	< 1.	< 1.	< 1.	< 2.	< 1.	< 1.	2	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	<.5	<.5	0.8	0.6	<.5	<.5	0.6	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Organic matter	3.2	4.3	2.1	3.8	1.8	< 2.7	1	2.3	5.7	3.3	6	5.3	1.7	3.1	4	4.3	3.956	1.6168	3.268	2.408	2.924	2.064	3.784	2.55	4.90	2.89	5.38	5.80	3.39	2.67	3.49	3.96	2.60	2.82	5.93	3.96	2.82
Total Organic Carbon																	2.3	0.94	1.9	1.4	1.7	1.2	2.2	1.48	2.85	1.68	3.13	3.37	1.97	1.55	2.03	2.30	1.51	1.64	3.45	2.30	1.64
Aliphatic C5-C6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Aliphatic C6-C8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Aliphatic C8-C10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	<1.	<1.	<1.	<1.	<1.	<1.	45	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Aliphatic C10-C12	1	1	1	1	1	1	1	1	4.6	4.2	3.4	3.3	4.8	3	1	2.3	<1.	<1.	<1.	<1.	<1.	<1.	33	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Aliphatic C12-C16	2	2	2	2	2.2	3.6	2	2	11	12	12	11	11	7.7	2.9	7	<1.	<1.	<1.	<1.	<1.	<1.	31	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Aliphatic C16-C21	8	8	8	8	8	11	8	8.2	8	8	8	8	8	8	8	8	<1.	<1.	<1.	<1.	<1.	<1.	30	<1.	2.18	1.51	2.99	1.29	2.83	2.66	1.08	1.94	<1.	2.60	1.69	1.39	<1.
Aliphatic C21-C35	52	8	8	19	16	51	8	45	24	8	33	27	8	8	8	8	<1.	14	46	61	25	65	44	17.9	37.2	24.1	32.1	9.62	33.5	36.1	18.80	14.60	12.80	24.30	24.30	22.50	<1.
Aromatic C5-C7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	<1.	<1.	<1.	<1.	<1.	<1.	27	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Aromatic C7-C8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	<1.	<1.	<1.	<1.	<1.	<1.	30	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Aromatic C8-C10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	<1.	<1.	<1.	<1.	<1.	<1.	35	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Aromatic C10-C12	1	1	1	1	1	1.7	1	1	1.3	3.3	3.7	1.3	6.1	2.5	1.2	2.9	<1.	<1.	<1.	<1.	<1.	<1.	32	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Aromatic C12-C16	2	2	2	2	28	30	2	22	4.3	8.7	16	11	11	6.1	5.2	5.4	<1.	<1.	25	<1.	<1.	<1.	49	<1.	<1.	<1.	<1.	4.05	<1.	<1.	<1.	10.2	<1.	<1.	<1.	<1.	<1.
Aromatic C16-C21	44	10	31	23	210	470	10	250	31	10	84	65	22	21	31	18	18	3.3	160	6.7	10	120	91	19.6	13.9	28.9	22.5	33.8	8.57	18.1	2.61	90.9	15.4	3.43	4.75	7.43	10.5
Aromatic C21-C35	170	18	67	47	260	1200	12	490	33	10	100	59	20	31	49	20	190	15	430	31	73	570	360	95.1	77.4	129	102	66	60.3	81.8	20.9	224	55.7	27.2	36.2	55.9	48.4
Benzene	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.																					
Ethylbenzene	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.																					
Toluene	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.																					
p & m-xylene	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.																					
o-xylene	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.																					
MTBE	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.	< 1.																					
Naphthalene	0.05	0.05	0.13	0.07	0.85	0.59	0.05	0.24	0.2	0.05	0.36	0.26	0.13	0.18	0.05	0.05	<.1	0.86	1.6	<.1	<.1	0.23	1.3	0.0622	<.045	0.0609	<.045	0.024	0.708	<.045	0.0627	0.0847	<.045	0.0305	1.38	<.045	25.7
Acenaphthylene	0.38	0.18	0.41	0.24	1.4	1.9	0.1	1.8	0.2	0.1	0.56	0.35	0.12	0.22	0.25	0.1	<.1	0.22	5.3	<.1	<.1	0.33	2.6	0.404	0.208	0.33	0.381	0.15	0.408	0.162	0.377	0.851	0.246	0.174	0.967	0.311	124
Acenaphthene	0.17	0.1	0.17	0.15	2.5	2.2	0.1	1.9	0.2	0.1	0.23	0.53	0.27	0.1	0.1	0.1	<.1	0.1	8.8	<.1	<.1	0.1	3.1	0.0785	0.0896	0.191	0.097	0.0351	5.41	<.04	0.0582	0.625	0.0823	0.025	8.46	<.04	76.6
Fluorene	0.17	0.1	0.24	0.1	2.8	2.5	0.1	2.6	0.21	0.1	0.27	0.65	0.29	0.1	0.1	0.1	<.1	0.16	11	<.1	<.1	0.16	5.3	0.118	0.112	0.229	0.158	0.0445	5.37	<.05	0.126	0.846	0.109	0.0342	12.8	0.0722	89.1
Phenanthrene	2.2	1.1	2.6	2.2	28	30	0.21	21	4.1	0.32	4.5	10	2.9	1.2	1.9	0.35	2.8	1	95	1.7	1.7	1.7	34	2.17	1.68	3.44	2.45	0.631	40.7	0.81	1.94	15.9	1.3	0.42	83.6	1.06	1.98
Anthracene	0.62	0.26	0.96	0.7	7.8	6	0.1	6.8	0.75	0.1	0.95	2.5	0.81	0.46	0.53	0.1	0.92	0.36	27	0.53	0.53	0.47	11	0.56	0.471	1.1	0.642	0.187	11.7	0.295	0.771	6.62	0.422	0.171	21.3	0.401	0.501
Fluoranthene	7.2	2.9	8.8	6.4	41	76	0.54	45	13	0.99	18	16	6.6	5.2	8.4	1.1	9.5	2.9	100	4.5	4.6	4.3	59	6.52	5.11	8.99	6.32	2.24	32.6	2.85	5.92	39.6	4.3	2.15	65.1	3.57	5.29
Pyrene	6.6	2.5	7.8	5.2	33	63	0.48	38	11	0.8	15	13	5.4	4.5	6.9	0.93	8.9	3	97	4.7	4.5	4.3	55	5.65	4.24	7.62	5.4	1.98	24.6	2.41	4.92	33.2	4.27	1.78	47.5	3.16	4.49
Benzo(a)anthracene	3.5	1.4	5.9	3.3	21	41	0.27	24	7.2	0.52	11	8.1	3.7	4.1	5.4	0.56	4.5	1.8	57	2.8	2.5	2.4	25	3.12	2.16	3.92	2.62	0.955	9.59	1.19	2.75	18.1	2.21	0.942	24.2	1.74	2.93
Chrysene	4.4	1.6	4.4	2.9	17	33	0.31	18	5.9	0.47	7.5	6	2.4	2.4	3.3	0.47	5.2	1.8	50	2.8	3	3	22	3.3	1.97	0.4	2.43	10.1	7.63	1.15	2.58	15.2	2.1	0.979	18.4	1.75	2.71
Benzo(b)fluoranthene	4.2	1.7	5.7	2.7	22	46	0.28	28	9.8	0.7	14	11	4.5	4.5	5.7	0.71	7.6	2.8	64	4.2	4	3.8	31	4.85	3.08	4.42	3.53	1.54	8.5	1.61	3.38	17.7	3.75	1.74	22.9	2.69	4.14
Benzo(k)fluoranthene	3.4	0.82	4	2.5	9.6	20	0.15	9.1	4.3	0.4	7.3	4.9	1.5	2.2	2.9	0.42	3.9	1.1	26	1.6	1.9	1.8	12	1.91	1.22	1.9	1.49	0.707	3.73	0.702	1.4	8.11	1.33	0.678	9.3	1.03	1.64
Benzo(a)pyrene	4.5	1.6	5.6	2.7	19	37	0.24	21	7.7	0.64	13	9.6	3.5	3.9	5.1	0.67	5.5	1.9	50	2.9	3	2.9	25	3.66	2.25	4.05	2.87	1.2	6.64	1.35	2.96	15.7	3.24	1.37	16	2.01	3.03
Indeno(1,2,3-c,d)pyrene	2.6	0.8	3.1	1.7	10	23	0.1	13	3.8	0.31	6.7	4.1	1.5	2	2.5	0.32	4.6	1.9	34	2.6	2.4	2.3	19	3.14	2.06	3.37	2.55	1.11	4.75	1.24	2.61	11.3	2.76	1.39	10.7	1.7	2.41
Dibenzo(a,h)anthracene	0.22	0.1	0.75	0.35	2	4.4	0.1	3	1	0.1	1.6	1.2	0.45	0.64	0.78	0.1	1.6	0.47	9.6	0.55	1.2	1.2	3.7	0.527	0.274	0.605	0.449	1.11	0.873	0.227	0.481	2.14	0.434	0.241	1.64	0.318	0.34
Benzo(g,h,i)perylene	3.4	1.1	3.7	1.9	12	24	0.05	15	4.2	0.38	7.2	4.6	1.6	2	2.6	0.39	5	1.6	29	2	2.5	2.3	17	2.81	1.5	3.08	2.26	1.03	4.07	1.16	2.35	9.25	2.59	1.24	8.06	1.65	2.11
Total PAH - USEPA 16	43.5	< 15.8	< 54.2	< 33.1	230	< 411.	2.48	248	73.7	5.53	108	92.5	35.7	33.5	46.1	6.02	60	22	670	31	<32.	31	330	38.9	26.4	46.7	33.7	13	167	12.3	32.7	195	29.1	13.4	352	21.4	31.9
Phenol - Monohydric	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	<.3	<.3	<.3	<.3	<.3	<.3	<.3	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
ACM Type			Amosite & chrysotile - insulation lagging & loose fibres		Amosite loose fibres	Chrysotile loose fibres		Chrysotile loose fibres					Chrysotile amosite - insulation lagging, loose fibres			Amosite - insulation lagging													Chrysotile fibre bundle in soil			Amosite loose fibres in soil				
Asbestos Identification									NAD	NAD	NAD																										
Asbestos by Gravimetry			0.002		<0.001	-		-					0.035			0.003																					

	COUNT	MAX	MIN	AVERAGE	POS PARK	No. > SL
Arsenic	37	30	0.6	13.8	170	0
Cadmium	37	7.6	0.02	0.5	555	0
Hexavalent Chromium	37	4	0.5	2.1	220	0
Chromium	37	67	0.9	23.4	33000	0
Copper	37	1700	1.4	81.2	44000	0
Lead	37	550	12.7	111.7	1300	0
Mercury	37	5.6	0.1	0.5	240	0
Nickel	37	52	0.396	23.0	800	0
Selenium	37	2.2	0.2	0.9	1800	0
Zinc	37	7600	3.05	339.9	170000	0
pH	37	11.1	7.3	8.2	9	2
Cyanide total	37	2	0.5	1.0	-	-
Organic matter	37	6	1	3.5	-	-
Total Organic Carbon	21	3.45	0.94	2.0	-	-
Aliphatic C5-C6	37	1	0.01	0.2	130000	0
Aliphatic C6-C8	37	1	0.01	0.2	220000	0
Aliphatic C8-C10	37	45	0.01	1.4	18000	0
Aliphatic C10-C12	37	33	1	2.4	23000	0
Aliphatic C12-C16	37	31	1	3.9	25000	0
Aliphatic C16-C21	37	30	1	5.5	480000	0
Aliphatic C21-C35	37	65	1	24.2	480000	0
Aromatic C5-C7	37	27	0.01	0.9	84000	0
Aromatic C7-C8	37	30	0.01	1.0	95000	0
Aromatic C8-C10	37	35	0.01	1.2	8500	0
Aromatic C10-C12	37	32	1	2.2	9700	0
Aromatic C12-C16	37	49	1	7.1	10000	0
Aromatic C16-C21	37	470	2.61	54.6	7700	0
Aromatic C21-C35	37	1200	10	144.2	7800	0
Benzene	16	1	1	1.0	100	0
Ethylbenzene	16	1	1	1.0	22000	0
Toluene	16	1	1	1.0	95000	0
p & m-xylene	16	1	1	1.0	23000	0
o-xylene	16	1	1	1.0	23000	0
MTBE	16	1	1	1.0	-	
Naphthalene	37	25.7	0.024	1.0	1900	0
Acenaphthylene	37	124	0.1	3.9	30000	0
Acenaphthene	37	76.6	0.025	3.1	30000	0
Fluorene	37	89.1	0.0342	3.7	20000	0
Phenanthrene	37	95	0.21	11.0	6200	0
Anthracene	37	27	0.1	3.1	150000	0
Fluoranthene	37	100	0.54	17.1	6300	0
Pyrene	37	97	0.48	14.7	15000	0
Benzo(a)anthracene	37	57	0.27	8.5	56	1
Chrysene	37	50	0.31	7.3	110	0
Benzo(b)fluoranthene	37	64	0.28	9.8	15	7
Benzo(k)fluoranthene	37	26	0.15	4.2	410	0
Benzo(a)pyrene	37	50	0.24	7.9	12	8
Indeno(1,2,3-c,d)pyrene	37	34	0.1	5.2	170	0
Dibenzo(a,h)anthracene	37	9.6	0.1	1.2	1.3	9
Benzo(g,h,i)perylene	37	29	0.05	5.0	1500	0
Total PAH - USEPA 16	37	670	2.48	98.1	-	
Phenol - Monohydric	37	1	0.01	0.5	690	0

IDOM

IDOM Cromford Mills, Mill Lane, Matlock, Derbyshire DE4 3RQ
t +44 (0)1773 829 988 **e** info.derbyshire@idom.com **idom.com**
Registered in England No. 02740216 Registered office: as above