

VALIDATION REPORT

Site:	Acornfield Road, Knowsley
References:	17-018-R4
Date:	28 October 2025
Client:	Prime Property Group





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QUALITY ASSURANCE

Report references

17-018-R4

REV REF	DESCRIPTION	DATE
01	First issue	October 2025

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1. INTRODUCTION

1.1. BACKGROUND

This report details the remediation and enabling works operations that were undertaken by The Prime Group under the part-time supervision of E3P to facilitate the preparation of the commercial development at the site known as Acornfield Road, a parcel of land located off Acornfield Road, Knowsley, Merseyside L33 7BJ.

Prime Property Group appointed E3P as an independent Geoenvironmental Consultant for the site remediation, preparation/enabling and validation works and the subsequent production of a suitably detailed report to ensure the satisfaction of the relevant planning conditions and geotechnical engineering requirements for Building Control and warranty providers.

1.2. SITE DETAILS

Site Address	Land located off Acornfield Road, Knowsley, Merseyside L33 7BJ
National Grid Reference	E 343628, N 398601
Planning Reference	~0.6 Ha.

All acronyms used within this report are defined in the glossary presented in APPENDIX II.

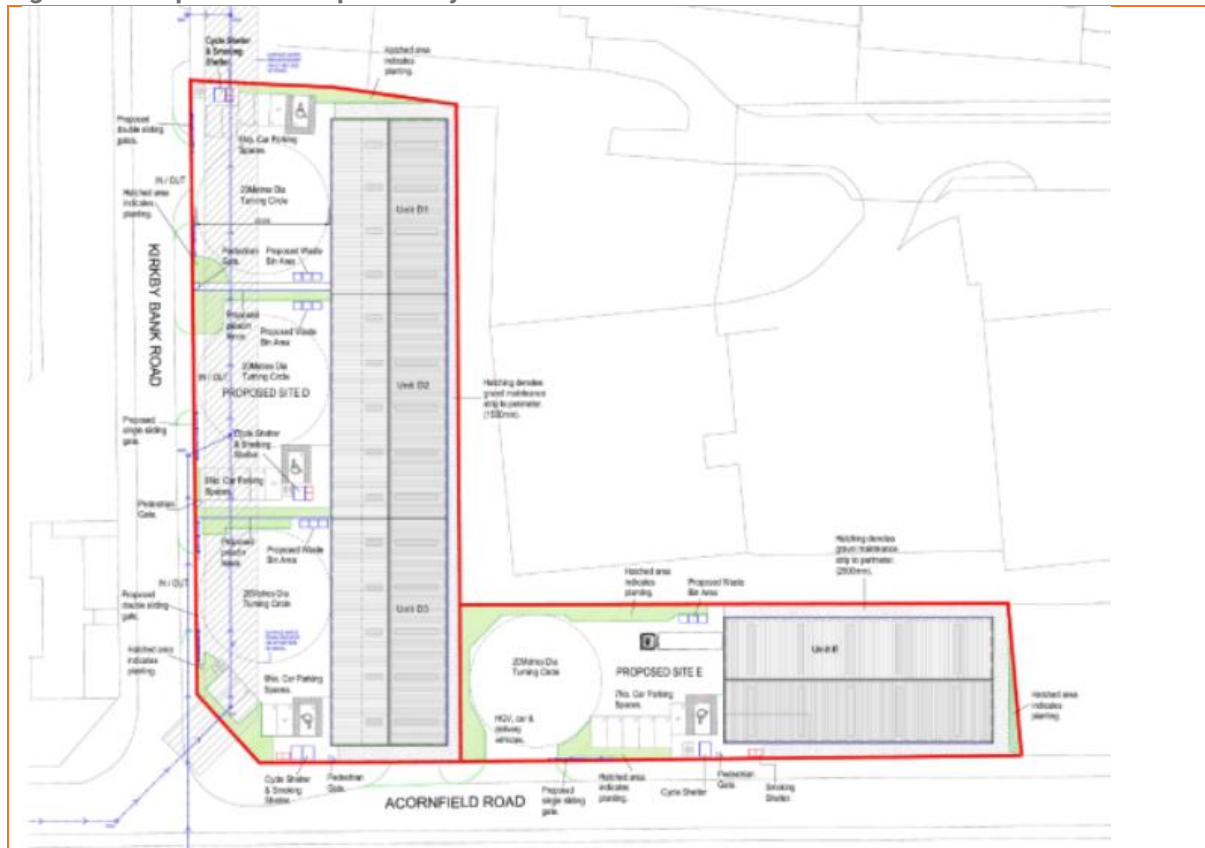
1.3. PROPOSED DEVELOPMENT

The Prime Group intends to construct a commercial development comprising four units with associated loading areas and car parking.

Figure 1.1 indicates the proposed development layout which is included as Drawing 17-018-002 in APPENDIX III.



Figure 1.1 Proposed Development Layout



1.4. SUMMARY OF REMEDIATION AND ENABLING WORKS

The proposed remediation activities were detailed within the E3P Remediation and Enabling Works Strategy (17-018-R3; dated August 2025) and supplementary supporting documents provided by E3P.

This report has been prepared to document the completion of all necessary land remediation and enabling works and to record the presence of any variation in ground conditions or previously unidentified sources of potential contamination, environmental impact or potential nuisance to the wider environment.

The Remediation and Enabling Works elements are summarised below:

- ✳ RE-1 – Pre-commencement Regulatory Requirements
- ✳ RE-2 – Independent Validation and Site Supervision
- ✳ RE-3 – Environment and Nuisance Control
- ✳ RE-4 – Risk to Infrastructure
- ✳ RE-5 – Site Clearance Operations
- ✳ RE-6 – Identification, Isolation and Treatment of Invasive Species
- ✳ RE-7 – Management of Above and Below Ground Structures
- ✳ RE-8 – Delineation and Excavation of Identified Peat
- ✳ RE-9 – Importation of Materials For Use in Construction



- ✳ RE-10 – Preparation of Cover System
- ✳ RE-11 – Stockpile Arrangements
- ✳ RE-12 – Provision of Subsoil
- ✳ RE-13 – Waste Soils Surplus
- ✳ RE-14 – General Validation of Stockpile Material
- ✳ RE-15 – Validation of Materials for Potable Water Supply Infrastructure
- ✳ RE-16 – Remedial Verification Report
- ✳ RE-17 – Remediation Project Unplanned Updates



2. REMEDIATION AND SITE-ENABLING WORKS

The focus of the remediation and enabling works are to address the contaminant issues previously identified within the site investigations that presented an unacceptable risk to human health following the redevelopment of the site.

For completeness, each of these activities has been discussed below within the context of the actual remediation works that were undertaken on site.

The Remediation & Site Enabling works commenced in March 2025 and were completed by September 2025

2.1. RE1 – PRE-COMMENCEMENT REGULATORY REQUIREMENTS

Date of Works Undertaken	Before Works
Overview of Works	Planning permission has been granted for the erection of 4 no. industrial units (use Class B8 – storage and distribution) and associated works. Planning Application reference 23/02819/FUL was granted on the 10th May 2024. No material re-use was undertaken on site as part of the works. All excavated materials were either removed from site or handled in accordance with standard waste management procedures, with no intention for re-deployment within the development footprint. As such, a Materials Management Plan (MMP) was not required for this phase of the scheme.

2.2. RE2 – INDEPENDENT VALIDATION AND SUPERVISION

Date of Works Undertaken	Throughout Works
Overview of Works	Throughout the remediation and enabling works completed by Prime Property Group, E3P maintained a part-time watching brief in which site visits were undertaken to monitor works. No previously unidentified contamination was encountered during works conducted up until September 2025.

2.3. RE3 – ENVIRONMENTAL AND NUISANCE CONTROL

Date of Works Undertaken	Throughout Works
Photographs	Plate 1
Overview of Works	During remediation works were restricted to between 8:00 am and 5:30 pm. Heras fencing was erected around the site boundary with appropriate health and safety signage.



2.4. RE4 – RISK TO INFRASTRUCTURE

Date of Works Undertaken	Throughout Works
Photographs	Plate 2
Overview of Works	Site works were completed under RAMS from Prime Property Group as principal contractor in a safe and compliant manner, which ensured no risk of disturbance to the adjacent infrastructure (highways and services).

2.5. RE5 – SITE CLEARANCE OPTIONS

Date of Works Undertaken	March 2025
Photographs	Plate 3
Overview of Works	No buildings were present on-site prior to remediation works; however concrete slabs and asphalt hardstanding were present. Concrete and asphalt slabs were broken out, with materials segregated and stockpiled for removal. Limited vegetation was present on-site; however, scrub vegetation and scattered trees were present around the boundary. A site strip was completed with vegetation stockpiled and subsequently removed off-site. Throughout the enabling works, scrap metal and general waste were separated from demolition materials and placed into allocated skips and stockpiles for subsequent disposal off-site.

2.6. RE6 – IDENTIFICATION, ISOLATION, AND TREATMENT OF INVASIVE SPECIES

Date of Works Undertaken	March 2025
Photographs	Plate 4
Overview of Works	Rhododendron and Himalayan cotoneaster had been identified within dense scrub along the southern boundary of the site. Vegetation along the southern boundary was removed and stockpiled separately until subsequently being removed off-site.

2.7. RE7 – MANAGEMENT OF ABOVE AND BELOW GROUND STRUCTURES

Date of Works Undertaken	Throughout Works
Photographs	Plate 5



Overview of Works

No buildings were present on-site prior to remediation works; however concrete slabs and asphalt hardstanding were present across the site.

The site was subject to a turnover to the top of natural stratum to ensure full removal and excavation of any below-ground obstructions. This process allowed for any oversized material to be removed and the identification of any previously unidentified areas of contamination. A part-time watching brief was completed during the Made Ground turnover.

The former asphalt roads were removed with materials stockpiled, and the materials were taken off-site for disposal.

2.8. RE8 – DELINEATION AND EXCAVATION OF IDENTIFIED PEAT

Date of Works Undertaken	March 2025
Photographs	Plate 6 - 7
Overview of Works	Previous ground investigations identified compressive peat deposits across the majority of the development area. In accordance with the Remediation Strategy, all organic/peaty soils require complete excavation. During the reduced level dig all organic deposits that were encountered were delineated and separated out. This material was stockpiled and subsequently removed off site. E3P maintained a part-time watching brief to confirm unsuitable material had been suitably excavated.

2.9. RE9 – IMPORTATION OF MATERIALS FOR USE IN CONSTRUCTION

Date of Works Undertaken	July 2025
Photographs	Plate 8
Chemical Testing	Eurofins Report 25-25325 (Imp 101 – 103)
Geotechnical Testing	MR 25005/172A (Imp 101)
In-situ Testing	5008057/01 (Capping) 5008057/01 (Capping) 5008057/02 (Formation)
Overview of Works	There was no net shortfall of material on-site, as such no imported aggregates for bulk fill were required. However, it was necessary to import clean quarried materials to complete the piling mats on-site. The quarried material was imported by Prime Property. Chemical analysis of 6F2 was undertaken in accordance with the agreed sampling frequency of 2 samples per source (quarried). Prior to placement,



stockpiled arisings were sampled for chemical and geotechnical analysis to confirm suitability.

Three chemical samples were taken from the stockpiled materials resulting in no exceedances.

Plate load tests were completed across the development platform at formation and capping level. Test locations are shown on plans on the testing certificates within APPENDIX VII. Results are summarised below and in APPENDIX VIII.

TEST REFERENCE	CBR %
1 (Formation)	3.9
2 (Formation)	3.0
3 (Formation)	9.3
4 (Formation)	4.6
5 (Formation)	6.0
6 (Formation)	5.2
1 (Bottom end entry)	4.2
2 (Top end)	14
3 (Level front)	14
4 (Yard near)	37
5 (Yard middle)	11
6 (Entrance middle)	23
7 (Yard far side)	24
8 (Entrance far side)	39
9 (Entrance near side)	38
1 (1:00)	66
2 (2:00)	70
3 (2:00)	70
4 (2:00)	70
5 (5:00)	69

Results indicate the CBR on top of formation ranged between 3.0% - 9.3%. CBR results on top of the capping ranged between 4.2% - 70.0%.

2.10. RE10 – PREPARATION OF COVER SYSTEM

Date of Works Undertaken	N/A
Overview of Works	No POS or landscaped areas were included within the final development layout.

2.11. RE11 – STOCKPILE ARRANGEMENTS

Date of Works Undertaken	Throughout Works
Photographs	Plate 9 - 10
Overview of Works	Stockpiles were predominantly placed on hardstanding in the south of the site.



Imported clean quarried stone material were stockpiled separately on site. Any site won soils from foundation or new service entries were stockpiled and removed from site.

2.12. RE12 – PROVISION OF SUBSOIL

Date of Works Undertaken	N/A
Overview of Works	No POS or landscaped areas were included within the final development layout.

2.13. RE13 – WASTE SOILS SURPLUS

Date of Works Undertaken	Throughout
Overview of Works	Mixed general waste and timber/vegetation were removed to a licensed waste facility. A vegetation strip was completed in March 2025. The vegetation and associated subsoils were stockpiled and subsequently removed off-site.

2.14. RE14 – GENERAL VALIDATION OF STOCKPILE MATERIAL

Date of Works Undertaken	Throughout
Chemical Testing	Eurofins Report 25-25325 (Imp 101 – 103)
Overview of Works	Materials imported to site were tested according to the frequency set out in the Remediation Strategy.

2.15. RE15 – VALIDATION OF MATERIAL FOR POTABLE WATER SUPPLY INFRASTRUCTURE

Date of Works Undertaken	July 2025
Chemical Testing	Eurofins Report 25-06774 (Initial Testing) Eurofins Report 25-25325 (Pipe 101 – 103)
Overview of Works	A UKWIR risk assessment has been completed using testing results from the E3P ground investigations, and imported stone, which was used as pipe bedding. One exceedance of EC10 – EC16 was noted within TP310 at 1.00 m. No exceedances were noted within the pipe bedding. Barrier pipe should be used within the proposed development.



2.16. RE16 – REMEDIATION VERIFICATION REPORT

Date of Works Undertaken	March 2025 – September 2025
Overview of Works	This validation report covers all remediation and enabling works completed up to September 2025, all works beyond this date are considered part of the build phase works.

2.17. RE17 – REMEDIATION PROJECT UNPLANNED UPDATES

Date of Works Undertaken	Throughout
Overview of Works	Prime Property maintained full-time supervision, with E3P maintaining part-time supervision of remediation works Communication was maintained between parties throughout work to allow the project to progress and inform of any ongoing change.

END OF REPORT

Appendix I: Limitations





GENERAL

This report and any associated works (together comprising the "Services") were compiled and carried out by E3P for the client (as present in Section 1) under the E3P "Terms of Business" or with those parties with whom a warranty agreement has been executed, or with whom an assignment has been agreed and outlined in the body of the report.

Unless explicitly agreed otherwise, in writing, this report has been prepared under E3P Standard Terms and Business as included within our proposal to the Client.

Project-specific appointment documents may be agreed upon at our discretion and a charge may be levied for both the time to review and finalise appointment documents and also for associated changes to the appointment terms. E3P reserves the right to amend the fee should any changes to the appointment terms create an increased risk to E3P.

The report needs to be considered in light of the proposal and associated limitations of scope. The report needs to be read in full and isolated sections cannot be used without full reference to other elements of the report and any previous works referenced within the report.

PHASE 1 GEOENVIRONMENTAL AND PRELIMINARY RISK ASSESSMENTS

Coverage: This section covers reports with the following titles or combination of titles: Phase 1; Desktop Study; Geoenvironmental Assessment; Development Appraisal; Preliminary Environmental Risk Assessment; Constraints Report; Due Diligence Report; Geotechnical Development Review; Environmental Statement; Environmental Chapter; Baseline Environmental Assessment; Project Scope Summary Report (PSSR), Program Environmental Impact Report (PEIR), Geotechnical Development Risk Register; Agricultural Land Assessment; Mineral Safeguarding Assessment; Desk Top Coal Mining Risk Assessment; Hydrogeological Appraisal; Construction Environmental Management Plan; and Site Water Management Plan.

The works undertaken to prepare this report comprised a study of available and easily documented information from a variety of sources (including the Client), together with (where appropriate) a brief walkover inspection of the Site and correspondence with relevant authorities and other interested parties. Due to the short timescales associated with these projects' responses may not have been received from all parties. E3P cannot be held responsible for any disclosures that are provided post-production of our report and will not automatically update our report.

The opinions given in this report have been dictated by the finite data on which they are based and are relevant only for the purpose for which the report was commissioned. The information reviewed should not be considered exhaustive and has been accepted in good faith as providing true and representative data pertaining to site conditions. Should additional information become available which may affect the opinions expressed in this report, E3P reserves the right to review such information and, if warranted, to modify the opinions accordingly.

It should be noted that any risks identified in this report are perceived risks based on the information reviewed. Actual risks can only be assessed following intrusive investigations of the site.

Where mention has been made to the identification of Japanese Knotweed and other invasive plant species and asbestos or asbestos-containing materials, this is for indicative purposes only and does not constitute or replace full and proper surveys completed by suitably qualified and experienced specialists in these fields.

E3P does not warrant work/data undertaken/provided by others.



INTRUSIVE INVESTIGATION REPORTS

Coverage: The following report titles (or combination) may cover this category of work: Geoenvironmental Site Investigation; Geotechnical Assessment; GIR (Ground Investigation Reports); Preliminary Environmental And Geotechnical Risk Assessment; Preliminary Summary; Coal Mining Risk Assessment, Ground Gas Addendum; and, Geotechnical Risk Register.

The investigation has been undertaken to provide information concerning either:

- The type and degree of contamination present at the site in order to allow a generic quantitative risk assessment to be undertaken; or
- Information on the soil properties present at the site to allow for geotechnical development constraints to be considered.

The scope of the investigation was selected on the basis of the specific development and land use scenario proposed by the Client and may be inappropriate to another form of development or scheme. If the development layout was not known at the time of the investigation the report findings may need revisiting once the development layout is confirmed.

Unless otherwise specified in the scope of works, any site drawing(s) provided in this report is (are) not meant to be an accurate base plan but is (are) used to present the general relative locations of features on, and surrounding, the site. Features (intrusive and sample locations etc) annotated on site plans are not drawn to scale but are centred over the approximate location. Such features should not be used for setting out and should be considered indicative only.

For contamination purposes, the objectives of the investigation are limited to establishing the risks associated with potential contamination sources with the potential to cause harm to human health, building materials, the environment (including adjacent land), or controlled waters.

For geotechnical investigations, the purpose is to broadly consider potential development constraints associated with the physical property of the soils underlying the site within the context of the proposed future or continued use of the site, as stated within the report.

The amount of exploratory work, soil property testing and chemical testing undertaken has necessarily been restricted by various factors which may include accessibility, the presence of services; existing buildings; current site usage or short timescales. The exploratory holes completed assess only a small percentage of the area in relation to the overall size of the Site, and as such can only provide a general indication of conditions.

The number of sampling points and the methods of sampling and testing do not preclude the possible existence of contamination where concentrations may be significantly higher than those actually encountered or ground conditions that vary from those identified. In addition, there may be exceptional ground conditions elsewhere on the site which have not been disclosed by this investigation and which have therefore not been taken into account in this report.

The inspection, testing and monitoring records relate specifically to the investigation points and the timeframe that the works were undertaken. They will also be limited by the techniques employed. As part of this assessment, E3P has used reasonable skill and care to extrapolate conditions between these points based on assumptions to develop our interpretation and conclusions.

The assumption made in forming our conclusions is that the ground and groundwater conditions (both chemically and physically) are the same as have been encountered during the works undertaken at the specific points of investigation and at the time of the investigation.



Conditions can change between investigation points both spatially and over time and these interpretations should therefore be considered indicative. The assessment of extreme weather events and their impact on ground conditions is not within the scope of E3P's work.

The risk assessment and opinions provided are based on currently available guidance relating to acceptable contamination concentrations; no liability can be accepted for the retrospective effects of any future changes or amendments to these values. Specific assumptions associated with the risk assessment process have been outlined within the body or associated appendix of the report.

Additional investigations may be required in order to satisfy relevant planning conditions or to resolve any engineering and environmental issues.

Where soil contamination concentrations recorded as part of this investigation are used for commentary on the potential waste classification of soils for disposal purposes, these should be classed as indicative only. Due consideration should be given to the variability of contaminant concentrations taken from targeted samples versus bulk excavated soils and the potential variability of contaminant concentrations between sampling locations. Where major waste disposal operations are considered, targeted waste classification investigations should be designed and the waste classification and any subsequent disposal option agreed upon with licenced subcontractors and/or the relevant regulators.

The results of the asbestos testing are factually reported and interpretation is given as to how this relates to the previous use of the site, the types of ground encountered and site conceptualisation. This does not however constitute a formal asbestos assessment. These results should be treated cautiously and should not be relied upon to provide detailed and representative information on the delineation, type and extent of bulk ACMs and/or trace loose asbestos fibres within the soil matrix at the site.

If costs have been included in relation to additional site works, and/or site remediation works these must be considered as indicative only and must be confirmed by a qualified quantity surveyor.

EUROCODE 7: GEOTECHNICAL DESIGN

On 1st April 2010, BS EN 1997-1:2004 (Eurocode 7: Geotechnical Design – Part 1) became the mandatory baseline standard for geotechnical ground investigations.

In terms of geotechnical design for foundations, slopes, retaining walls and earthworks, EC7 sets guidance on design procedures including specific guidance on the numbers and spacings of boreholes for geotechnical design, there are limits to methods of ground investigation and the quality of data obtained and there are also prescriptive methods of assessing soil strengths and methods of design. Unless otherwise explicitly stated, the work has not been undertaken in accordance with EC7. A standard geotechnical interpretative report will not meet the requirements of the Geotechnical Design Report (GDR) under Eurocode 7. The GDR can only be prepared following confirmation of all structural loads and serviceability requirements. The report is likely to represent a Ground Investigation Report (GIR) under the Eurocode 7 guidance.

DETAILED QUANTITATIVE RISK ASSESSMENTS AND REMEDIATION AND ENABLING WORK STRATEGY REPORTS

These reports build upon previous report versions and associated notes. The scope of the investigation, further testing and monitoring and associated risk assessments were selected based on the specific development and land use scenario proposed by the Client and may not be appropriate to another form of development or scheme layout. The risk assessment and opinions provided are based on currently available approaches in the generation of Site Specific Assessment Criteria relating to contamination concentrations and are not considered to represent a risk in a specific land use scenario to a specific receptor. No liability can be accepted for the retrospective effects of any future changes or amendments to these values, associated models or associated guidance.



The outputs of the Detailed Quantitative Risk Assessments are based upon the manipulation of standard risk assessment models. These are our interpretation of the risk assessment criteria.

Before adoption on-site, assessment criteria will need to be discussed and agreed upon with the Regulatory Authorities prior to adoption on site. The regulatory discussion and engagement process may result in an alternative interpretation being determined and agreed. The process and timescales associated with the Regulatory Authority engagement are not within the control of E3P. All costs and programmes presented as a result of this process should be validated by a quantity surveyor and should be presumed to be indicative.

E3P does not accept liability for any subcontract work that has not been completed in strict accordance with an approved E3P Remediation and Enabling Works Strategy.

GEOTECHNICAL DESIGN REPORT (GDR)

The GDR can only be prepared following confirmation of all structural loads and serviceability requirements. All the relevant information needs to be provided to allow for a GDR to be produced.

MONITORING (INCLUDING REMEDIATION MONITORING REPORTS AND BUILD PHASE MITIGATION)

These reports are factual and comprise monitoring, normally groundwater and ground gas and data provided by contractors as part of earthworks or remedial works.

The data is presented and will be compared with assessment criteria.

Appendix II: Glossary





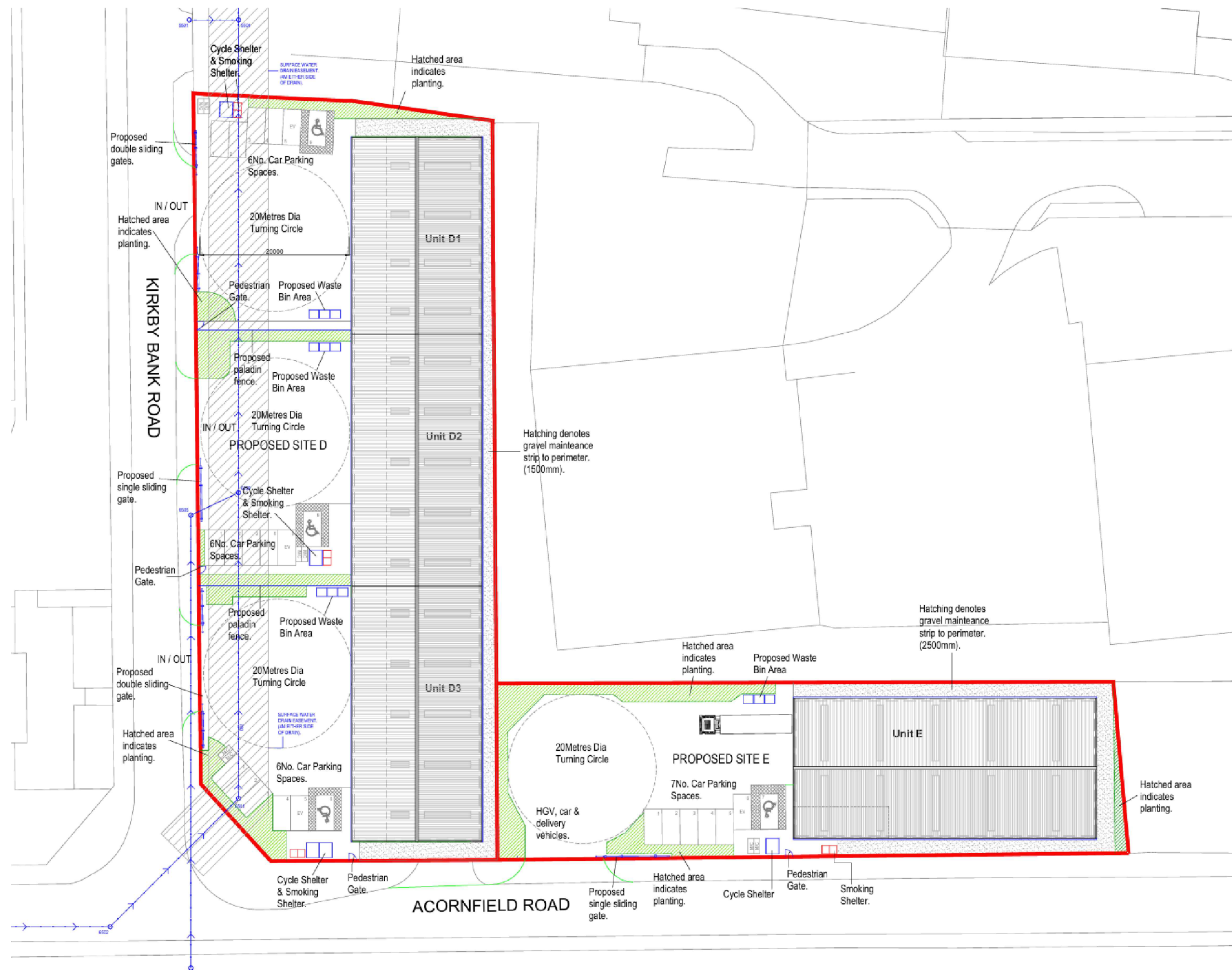
ACM	Asbestos-containing material	MMP	Materials management plan
ADS	Acoustic design statement	ND	Not detected
AST	Above-ground storage tank	NDP	Nuclear density probe
BGS	British Geological Survey	NMP	Noise Management Plan
BSI	British Standards Institute	NPSE	Noise Policy Statement For England
BTEX	Benzene, toluene, ethylbenzene, xylenes	NR	Not recorded
MRA	Mining Remediation Authority	PAH	Polycyclic aromatic hydrocarbon
CBR	California bearing ratio	PCB	Polychlorinated biphenyl
CIEH	Chartered Institute of Environmental Health	PI	Plasticity index
CIRIA	Construction Industry Research Association	PID	Photo ionisation detector
CLEA	Contaminated land exposure assessment	POS	Public open space
CML	Council of Mortgage Lenders	PPE	Personnel protective equipment
CoC	Contaminants of concern	ProPG	Professional practice guidance
CSM	Conceptual site model	QA	Quality assurance
DNAPL	Dense non-aqueous phase liquid (chlorinated solvents, PCB)	SGV	Soil guideline value
DWS	Drinking water standard	SPH	Separate-phase hydrocarbon
EA	Environment Agency	SPT	Standard penetration test
EQS	Environmental quality standard	SVOC	Semi-volatile organic compound
FFL	Finished floor level	TPH	Total and speciated petroleum hydrocarbon
GAC	General assessment criteria	TPH CWG	Total Petroleum Hydrocarbon (Criteria Working Group)
GL	Ground level	UKWIR	United Kingdom Water Infrastructure Risk
GSV	Gas screening value	UST	Underground storage tank
HCV	Health criteria value	VCC	Vibro-concrete column
ICSM	Initial conceptual site model	VOC	Volatile organic compound
LEL	Lower explosive limit	VRSC	Vibro-replacement stone columns
LMRL	Lower method reporting limit	VSC	Vibro-stone columns
LNAPL	Light non-aqueous phase liquid (petrol, diesel, kerosene)	WHO	World Health Organisation
MCV	Moisture condition value	WRAP	Waste and Resources Action Programme
MIBK	Methyl isobutyl ketone	WTE	Water table elevation



m	Metres	ppm	Parts per million
km	Kilometres	mg/m³	Milligram per metre cubed
% v/v	Percent volume in air	m bgl	Metres below ground level
mb	Millibars (atmospheric pressure)	m bcl	Metre below cover level
l/hr	Litres per hour	mAOD	Metres above ordnance datum (sea level)
µg/l	Micrograms per litre (parts per billion)	kN/m²	Kilonewtons per metre squared
ppb	Parts per billion	µm	Micrometre
mg/kg	Milligrams per kilogram (parts per million)	SSRT	Site Specific Remediation Target
PSD	Particle Size Distribution	DD	Dry Density
CL:AIRE	Contaminated Land: Applications in Real Environments	Mc	Moisture Content
ρ	Bulk Density	GPR	Ground Penetrating Radar
NDP	Nuclear Density Probe	FFL	Finished Floor Level
LEL	Lower Explosive Limit	UKWIR	UK Water Industry Research
CIRIA	Construction Industry Research and Information Association	LOD	Limit of Detection
PFAS	Per- and Poly-Fluorinated Substances	PFOA	Perfluorooctanoic Acid

Appendix III: Drawings





Notes:					

P1	REVA	25.03.2025	TG	HM	HM
Phase	Issue	Date	Drawn	Checked	PM

Client:	
The Prime Group	

Job Title:	
Acornfield Road, Knowlsey	

Job No:	17-018	Date:	25.03.2025
Drawing No:	002	Scale:	NTS

Drawing Title:	
Proposed Development Plan	



Environmental Engineering
Partnership Ltd
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Urmston, Manchester, M41 7JQ
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E-mail: info@e3p.co.uk
Website: www.e3p.co.uk

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- Historical Features
- Softstanding
 - Road
 - Hardstanding
 - Field Boundary

Notes:

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P1	REVA	25.03.2025	TG	HM	HM
Phase	Issue	Date	Drawn	Checked	PM

Client:

The Prime Group

Job Title:

Acornfield Road, Knowlsey

Job No:	17-018	Date:	25.03.2025
Drawing No:	003	Scale:	NTS

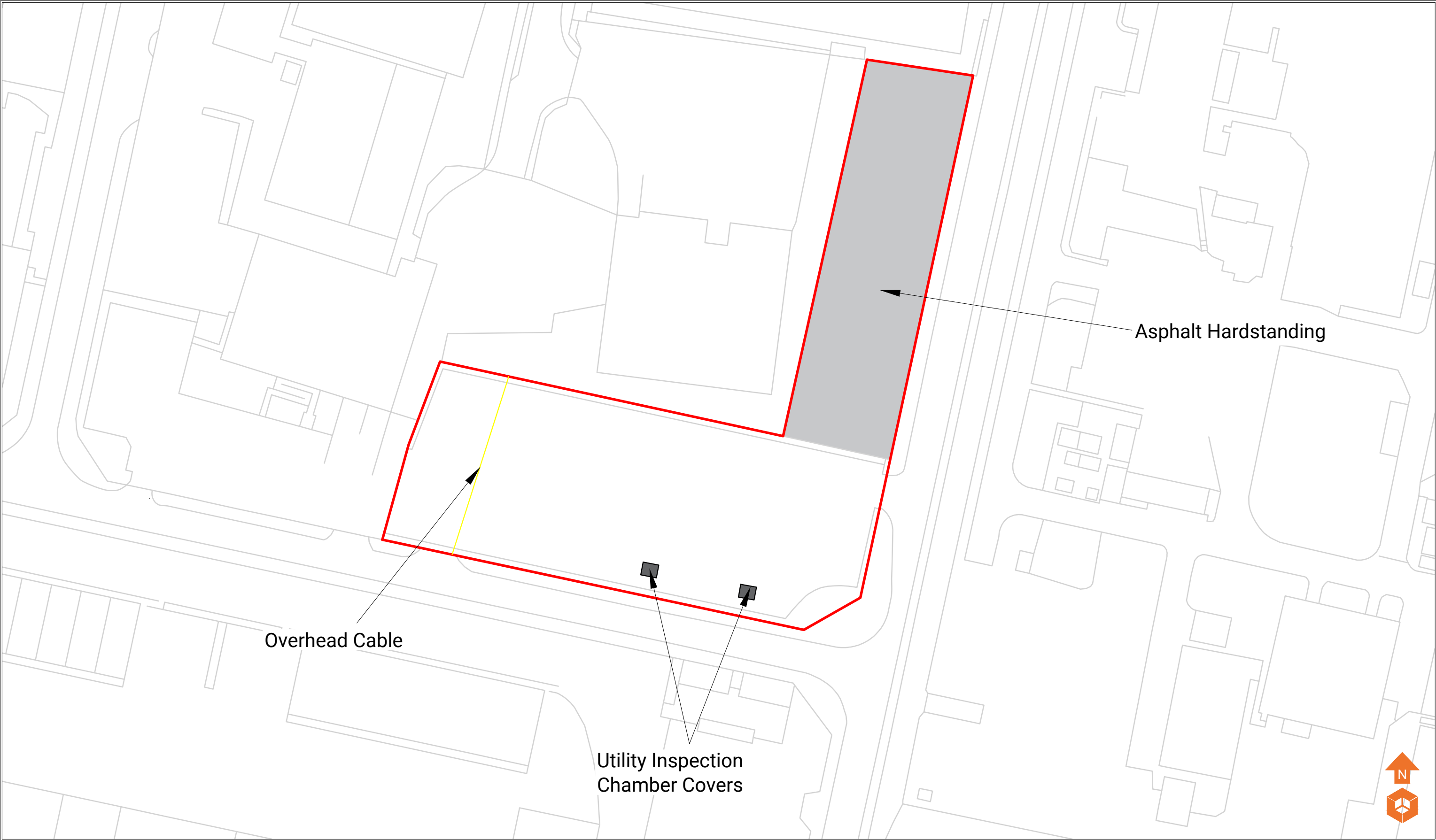
Drawing Title:

Historical Features Plan

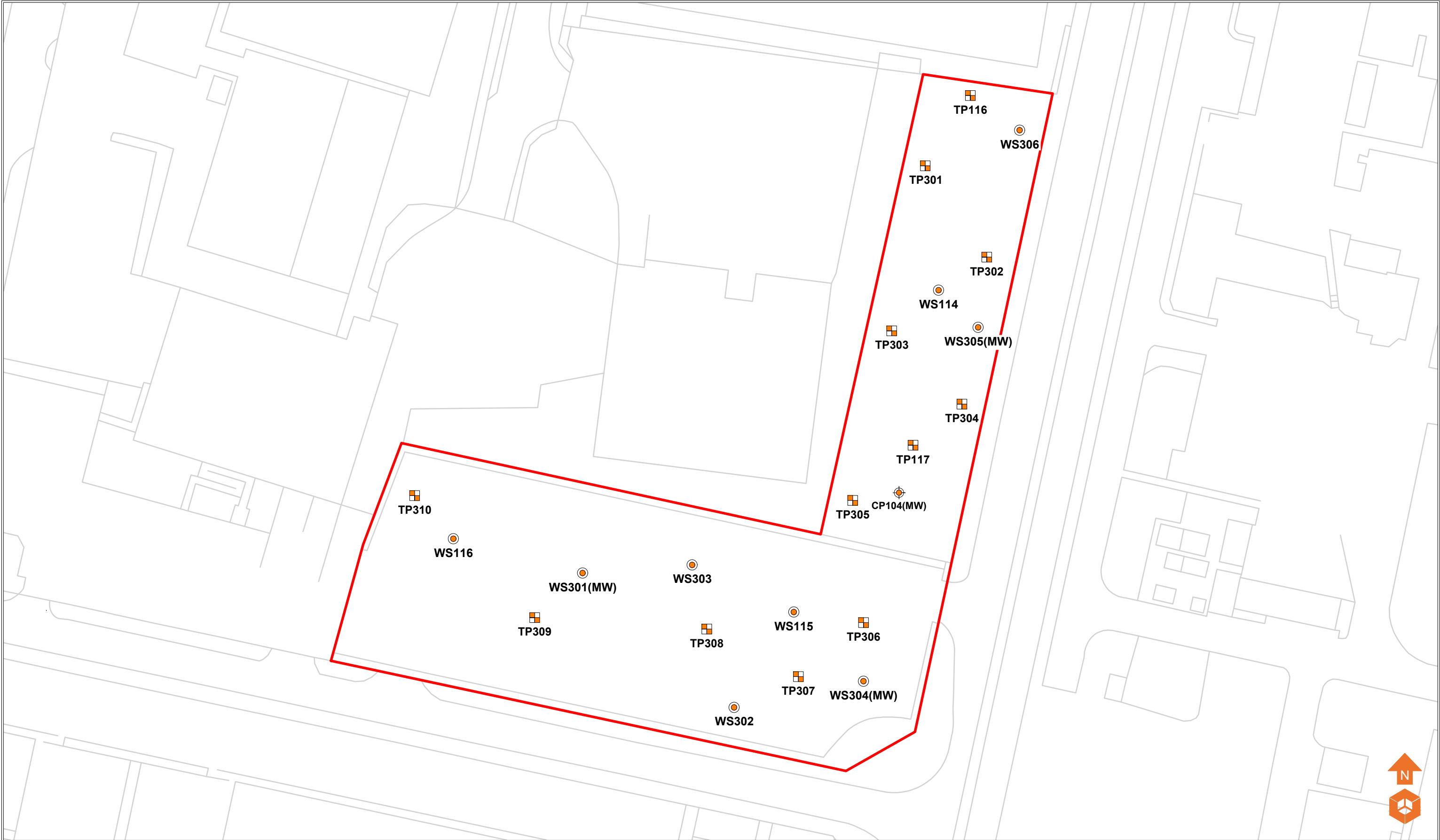


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Site Features Asphalt Hardstanding Utility Inspection Chamber Covers Overhead Cable	Notes:						Client:		Job No:	Date:	e3p Environmental Engineering Partnership Ltd Taylor Road, Trafford Park Urmston, Manchester, M41 7JQ Tel: 0161 707 9612 E-mail: info@e3p.co.uk Website: www.e3p.co.uk	
							The Prime Group		17-018	25.03.2025		
									Drawing No:	Scale:		
									004	NTS		
									Job Title:			Drawing Title:
								Acornfield Road, Knowlsey		Site Features Plan		
						P1	REVA	25.03.2025	TG	HM	HM	
						Phase	Issue	Date	Drawn	Checked	PM	



- Location Symbols
- Approximate Window Sample Probehole Location - E3P Location 2019
 - Approximate Trial Pit Location - E3P Location 2019
 - Approximate Cable Percussive Borehole Location - E3P Location 2019
 - Approximate Window Sample Probehole Location - E3P Location 2025
 - Approximate Window Sample Probehole Location with Install - E3P Location 2025
 - Approximate Trial Pit Location - E3P Location 2025

Notes:

P1	REVB	25.03.2025	TG	HM	HM
P1	REVA	03.03.2025	TG	JW	HM
Phase	Issue	Date	Drawn	Checked	PM

Client:

The Prime Group

Job Title:

Acornfield Road, Knowsley

Job No:

17-018

Drawing No:

006

Date:

25.03.2025

Scale:

NTS



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Location Symbols WS201 Approximate Window Sample Probehole Location - E3P Location 2019 TP201 Approximate Trial Pit Location - E3P Location 2019 CP201 Approximate Cable Percussive Borehole Location - E3P Location 2019 WS205 Approximate Window Sample Probehole Location - E3P Location 2025 WS205(MW) Approximate Window Sample Probehole Location with Install - E3P Location 2025 TP205 Approximate Trial Pit Location - E3P Location 2025
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Appendix IV: Chemical Testing Results





Amended Report

Report No.:	25-06774-2		
Initial Date of Issue:	21-Mar-2025	Date of Re-Issue:	24-Mar-2025
Re-Issue Details:	This report has been revised and directly supersedes 25-06774-1 in its entirety		
Client	E3P		
Client Address:	Taylor Road Trafford Park Urmston Manchester M41 7JQ		
Contact(s):	hmason@e3p.co.uk; rhorseman@e3p.co.uk		
Project	12-696 Draw Well Road		
Quotation No.:	Q23-31421	Date Received:	27-Feb-2025
Order No.:	010631	Date Instructed:	27-Feb-2025
No. of Samples:	12		
Turnaround (Wkdays):	5	Results Due:	05-Mar-2025
Date Approved:	21-Mar-2025		

Approved By:

Details: David Smith, Technical Director

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

Results - Leachate

Project: 12-696 Draw Well Road

Client: E3P	Chemtest Job No.: 25-06774				
Quotation No.: Q23-31421	Chemtest Sample ID.: 1939383				
	Client Sample ID.:				TP310
	Sample Type:				SOIL
	Top Depth (m):				1.00
	Date Sampled:				25-Feb-2025
	Time Sampled:				12:00
Determinand	Accred.	SOP	Type	Units	LOD
pH at 20C	U	1010	2:1		4.0 7.9
Cyanide (Total) Low-Level	N	1300	2:1	mg/l	0.0050 < 0.0050
Arsenic (Dissolved)	U	1455	2:1	µg/l	0.20 6.5
Cadmium (Dissolved)	U	1455	2:1	µg/l	0.11 < 0.11
Chromium (Dissolved)	U	1455	2:1	µg/l	0.50 0.88
Copper (Dissolved)	U	1455	2:1	µg/l	0.50 2.5
Mercury (Dissolved)	U	1455	2:1	µg/l	0.05 < 0.05
Nickel (Dissolved)	U	1455	2:1	µg/l	0.50 1.7
Lead (Dissolved)	U	1455	2:1	µg/l	0.50 1.5
Selenium (Dissolved)	U	1455	2:1	µg/l	0.50 < 0.50
Zinc (Dissolved)	U	1455	2:1	µg/l	2.5 6.9
Chromium (Hexavalent)	U	1490	2:1	µg/l	20 < 20
C2 Aliphatic TPH >C5-C6	N	1675	2:1	µg/l	0.10 < 0.10
C2 Aliphatic TPH >C6-C8	N	1675	2:1	µg/l	0.10 < 0.10
C2 Aliphatic TPH >C8-C10	N	1675	2:1	µg/l	0.10 < 0.10
C2 Aliphatic TPH >C10-C12	N	1675	2:1	µg/l	0.10 < 0.10
C2 Aliphatic TPH >C12-C16	N	1675	2:1	µg/l	0.10 < 0.10
C2 Aliphatic TPH >C16-C21	N	1675	2:1	µg/l	0.10 < 0.10
C2 Aliphatic TPH >C21-C35	N	1675	2:1	µg/l	0.10 < 0.10
C2 Aliphatic TPH >C35-C44	N	1675	2:1	µg/l	0.10 < 0.10
Total Aliphatic Hydrocarbons	N	1675	2:1	µg/l	5.0 < 5.0
C2 Aromatic TPH >C5-C7	N	1675	2:1	µg/l	0.10 < 0.10
C2 Aromatic TPH >C7-C8	N	1675	2:1	µg/l	0.10 < 0.10
C2 Aromatic TPH >C8-C10	N	1675	2:1	µg/l	0.10 < 0.10
C2 Aromatic TPH >C10-C12	N	1675	2:1	µg/l	0.10 < 0.10
C2 Aromatic TPH >C12-C16	N	1675	2:1	µg/l	0.10 < 0.10
C2 Aromatic TPH >C16-C21	N	1675	2:1	µg/l	0.10 < 0.10
C2 Aromatic TPH >C21-C35	N	1675	2:1	µg/l	0.10 < 0.10
C2 Aromatic TPH >C35-C44	N	1675	2:1	µg/l	0.10 < 0.10
C2 Total Aromatic Hydrocarbons	N	1675	2:1	µg/l	5.0 < 5.0
Total Petroleum Hydrocarbons	N	1675	2:1	µg/l	10 < 10
Benzene	U	1760	2:1	µg/l	1.0 < 1.0
Toluene	U	1760	2:1	µg/l	1.0 < 1.0
Ethylbenzene	U	1760	2:1	µg/l	1.0 < 1.0
m & p-Xylene	U	1760	2:1	µg/l	1.0 < 1.0
o-Xylene	U	1760	2:1	µg/l	1.0 < 1.0
Methyl Tert-Butyl Ether	N	1760	2:1	µg/l	1.0 < 1.0
Naphthalene	U	1800	2:1	µg/l	0.10 < 0.10
Acenaphthylene	U	1800	2:1	µg/l	0.10 < 0.10

Results - Leachate

Project: 12-696 Draw Well Road

Client: E3P	Chemtest Job No.: 25-06774					
Quotation No.: Q23-31421	Chemtest Sample ID.: 1939383					
	Client Sample ID.:					TP310
	Sample Type:					SOIL
	Top Depth (m):					1.00
	Date Sampled:					25-Feb-2025
	Time Sampled:					12:00
Determinand	Accred.	SOP	Type	Units	LOD	
Acenaphthene	U	1800	2:1	µg/l	0.10	< 0.10
Fluorene	U	1800	2:1	µg/l	0.10	< 0.10
Phenanthrene	U	1800	2:1	µg/l	0.10	< 0.10
Anthracene	U	1800	2:1	µg/l	0.10	< 0.10
Fluoranthene	U	1800	2:1	µg/l	0.10	< 0.10
Pyrene	U	1800	2:1	µg/l	0.10	< 0.10
Benzo[a]anthracene	U	1800	2:1	µg/l	0.10	< 0.10
Chrysene	U	1800	2:1	µg/l	0.10	< 0.10
Benzo[b]fluoranthene	U	1800	2:1	µg/l	0.10	< 0.10
Benzo[k]fluoranthene	U	1800	2:1	µg/l	0.10	< 0.10
Benzo[a]pyrene	U	1800	2:1	µg/l	0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	1800	2:1	µg/l	0.10	< 0.10
Dibenz(a,h)Anthracene	U	1800	2:1	µg/l	0.10	< 0.10
Benzo[g,h,i]perylene	U	1800	2:1	µg/l	0.10	< 0.10
Total Of 16 PAH's	U	1800	2:1	µg/l	2.0	< 2.0
Total Phenols	U	1920	2:1	mg/l	0.030	< 0.030

Results - Soil

Project: 12-696 Draw Well Road

Client: E3P		Chemtest Job No.:						25-06774	25-06774	25-06774	25-06774	25-06774	25-06774	25-06774
Quotation No.: Q23-31421		Chemtest Sample ID.:						1939378	1939379	1939380	1939381	1939382	1939383	1939385
		Client Sample ID.:						TP302	TP303	TP305	TP308	TP309	TP310	WS301
		Sample Type:						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):						0.80	0.20	0.90	0.90	1.20	1.00	0.50
		Date Sampled:						25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025
		Time Sampled:						12:00	12:00	12:00	12:00	12:00	12:00	12:00
		Asbestos Lab:						DURHAM	DURHAM			DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD									
ACM Type		N	2192		N/A	-	-					-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected					No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	23	13	12	16	13	17	13	20	
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	Stones	None	Stones	None	Stones	Stones and brick	Stones and Glass	
Soil Texture		N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Clay	Sand	Clay	
pH at 20C		M	2010		4.0	7.6	7.4	7.5	7.7	7.0	7.5	7.9	7.6	
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.046	0.095	< 0.010	0.013	< 0.010	0.12	0.064	0.078	
Total Sulphur		U	2175	%	0.010	0.090	0.070	0.020	0.040	0.020	0.15	0.24	0.080	
Cyanide (Total)		M	2300	mg/kg	0.50	0.80	< 0.50	< 0.50	< 0.50	< 0.50	3.0	4.9	1.0	
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	6.2	2.0	5.8	6.7	2.4	5.7	3.8	2.7	
Sulphate (Total)		U	2430	%	0.010	0.26	0.13	0.037	0.079	0.018	0.34	0.24	0.13	
Arsenic		M	2455	mg/kg	0.5	5.5	0.7	1.4	2.0	< 0.5	12	28	4.7	
Cadmium		M	2455	mg/kg	0.10	0.45	0.31	< 0.10	< 0.10	< 0.10	0.31	< 0.10	0.22	
Chromium		M	2455	mg/kg	0.5	13	2.1	3.9	7.5	3.4	28	18	8.2	
Copper		M	2455	mg/kg	0.50	15	2.7	0.97	7.0	< 0.50	43	24	18	
Mercury		M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.11	< 0.05	0.06	
Nickel		M	2455	mg/kg	0.50	7.3	1.1	5.0	6.0	1.9	26	23	9.9	
Lead		M	2455	mg/kg	0.50	280	57	1.4	160	1.1	210	38	29	
Selenium		M	2455	mg/kg	0.25	0.65	< 0.25	< 0.25	< 0.25	< 0.25	0.46	0.39	0.44	
Zinc		M	2455	mg/kg	0.50	290	120	7.4	14	2.7	190	28	44	
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Organic Matter		M	2625	%	0.40	3.3	2.1	< 0.40	4.3	0.52	2.2	< 0.40	2.9	
Total Organic Carbon		M	2625	%	0.20	1.9	1.2	< 0.20	2.5	0.30	1.3	0.22	1.7	
TPH >C6-C8	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
TPH >C8-C10	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
TPH >C10-C12	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.2	< 1.0	< 1.0	
TPH >C12-C16	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	26	< 1.0	4.1	
TPH >C16-C21	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	99	< 1.0	17	
TPH >C21-C25	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	70	< 1.0	22	
TPH >C25-C35	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	83	< 1.0	17	
TPH >C35-C40	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.2	< 1.0	< 1.0	
Total TPH >C6-C40	EH_1D_Total	U	2670	mg/kg	10	< 10	< 10	< 10	< 10	< 10	280	< 10	59	
Dichlorodifluoromethane		U	2760	µg/kg	1.0				< 1.0					
Chloromethane		M	2760	µg/kg	1.0				< 1.0					
Vinyl Chloride		M	2760	µg/kg	1.0				< 1.0					

Results - Soil

Project: 12-696 Draw Well Road

Client: E3P		Chemtest Job No.:						25-06774	25-06774	25-06774	25-06774	25-06774	25-06774	25-06774	25-06774
Quotation No.: Q23-31421		Chemtest Sample ID.:						1939378	1939379	1939380	1939381	1939382	1939383	1939384	1939385
		Client Sample ID.:						TP302	TP303	TP305	TP308	TP309	TP310	TP310	WS301
		Sample Type:						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):						0.80	0.20	0.90	0.90	1.20	1.00	2.00	0.50
		Date Sampled:						25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025
		Time Sampled:						12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
		Asbestos Lab:						DURHAM	DURHAM				DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD										
Bromomethane		M	2760	µg/kg	20					< 20					
Chloroethane		U	2760	µg/kg	2.0					< 2.0					
Trichlorofluoromethane		M	2760	µg/kg	1.0					< 1.0					
1,1-Dichloroethene		M	2760	µg/kg	1.0					< 1.0					
Dichloromethane		N	2760	µg/kg	50					< 50					
Trans 1,2-Dichloroethene		M	2760	µg/kg	1.0					< 1.0					
1,1-Dichloroethane		M	2760	µg/kg	1.0					< 1.0					
cis 1,2-Dichloroethene		M	2760	µg/kg	1.0					< 1.0					
Bromochloromethane		U	2760	µg/kg	5.0					< 5.0					
Trichloromethane		M	2760	µg/kg	1.0					< 1.0					
1,1,1-Trichloroethane		M	2760	µg/kg	1.0					< 1.0					
Tetrachloromethane		M	2760	µg/kg	1.0					< 1.0					
1,1-Dichloropropene		U	2760	µg/kg	1.0					< 1.0					
Benzene		M	2760	µg/kg	1.0					< 1.0					
1,2-Dichloroethane		M	2760	µg/kg	2.0					< 2.0					
Trichloroethene		N	2760	µg/kg	1.0					< 1.0					
1,2-Dichloropropane		M	2760	µg/kg	1.0					< 1.0					
Dibromomethane		M	2760	µg/kg	1.0					< 1.0					
Bromodichloromethane		M	2760	µg/kg	5.0					< 5.0					
cis-1,3-Dichloropropene		N	2760	µg/kg	10					< 10					
Toluene		M	2760	µg/kg	1.0					< 1.0					
Trans-1,3-Dichloropropene		N	2760	µg/kg	10					< 10					
1,1,2-Trichloroethane		M	2760	µg/kg	10					< 10					
Tetrachloroethene		M	2760	µg/kg	1.0					< 1.0					
1,3-Dichloropropane		U	2760	µg/kg	2.0					< 2.0					
Dibromochloromethane		U	2760	µg/kg	10					< 10					
1,2-Dibromoethane		M	2760	µg/kg	5.0					< 5.0					
Chlorobenzene		M	2760	µg/kg	1.0					< 1.0					
1,1,1,2-Tetrachloroethane		M	2760	µg/kg	2.0					< 2.0					
Ethylbenzene		M	2760	µg/kg	1.0					< 1.0					
m & p-Xylene		M	2760	µg/kg	1.0					< 1.0					
o-Xylene		M	2760	µg/kg	1.0					< 1.0					
Styrene		M	2760	µg/kg	1.0					< 1.0					
Tribromomethane		U	2760	µg/kg	1.0					< 1.0					
Isopropylbenzene		M	2760	µg/kg	1.0					< 1.0					
Bromobenzene		M	2760	µg/kg	1.0					< 1.0					
1,2,3-Trichloropropane		N	2760	µg/kg	50					< 50					
N-Propylbenzene		U	2760	µg/kg	1.0					< 1.0					

Results - Soil

Project: 12-696 Draw Well Road

Client: E3P		Chemtest Job No.:		25-06774	25-06774	25-06774	25-06774	25-06774	25-06774	25-06774	25-06774
Quotation No.: Q23-31421		Chemtest Sample ID.:		1939378	1939379	1939380	1939381	1939382	1939383	1939384	1939385
		Client Sample ID.:		TP302	TP303	TP305	TP308	TP309	TP310	TP310	WS301
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.80	0.20	0.90	0.90	1.20	1.00	2.00	0.50
		Date Sampled:		25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025
		Time Sampled:		12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
		Asbestos Lab:		DURHAM	DURHAM				DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD						
2-Chlorotoluene		M	2760	µg/kg	1.0			< 1.0			
1,3,5-Trimethylbenzene		M	2760	µg/kg	1.0			< 1.0			
4-Chlorotoluene		U	2760	µg/kg	1.0			< 1.0			
Tert-Butylbenzene		U	2760	µg/kg	1.0			< 1.0			
1,2,4-Trimethylbenzene		M	2760	µg/kg	1.0			< 1.0			
Sec-Butylbenzene		U	2760	µg/kg	1.0			< 1.0			
1,3-Dichlorobenzene		M	2760	µg/kg	1.0			< 1.0			
4-Isopropyltoluene		U	2760	µg/kg	1.0			< 1.0			
1,4-Dichlorobenzene		M	2760	µg/kg	1.0			< 1.0			
N-Butylbenzene		U	2760	µg/kg	1.0			< 1.0			
1,2-Dichlorobenzene		M	2760	µg/kg	1.0			< 1.0			
1,2-Dibromo-3-Chloropropane		U	2760	µg/kg	50			< 50			
1,2,4-Trichlorobenzene		M	2760	µg/kg	1.0			< 1.0			
Hexachlorobutadiene		N	2760	µg/kg	1.0			< 1.0			
1,2,3-Trichlorobenzene		U	2760	µg/kg	2.0			< 2.0			
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0			< 1.0			
N-Nitrosodimethylamine		M	2790	mg/kg	0.50			< 0.50			
Phenol		M	2790	mg/kg	0.50			< 0.50			
2-Chlorophenol		N	2790	mg/kg	0.50			< 0.50			
Bis-(2-Chloroethyl)Ether		M	2790	mg/kg	0.50			< 0.50			
1,3-Dichlorobenzene		M	2790	mg/kg	0.50			< 0.50			
1,4-Dichlorobenzene		N	2790	mg/kg	0.50			< 0.50			
1,2-Dichlorobenzene		M	2790	mg/kg	0.50			< 0.50			
2-Methylphenol		M	2790	mg/kg	0.50			< 0.50			
Bis(2-Chloroisopropyl)Ether		M	2790	mg/kg	0.50			< 0.50			
Hexachloroethane		N	2790	mg/kg	0.50			< 0.50			
N-Nitrosodi-n-propylamine		M	2790	mg/kg	0.50			< 0.50			
4-Methylphenol		M	2790	mg/kg	0.50			< 0.50			
Nitrobenzene		N	2790	mg/kg	0.50			< 0.50			
Isophorone		M	2790	mg/kg	0.50			< 0.50			
2-Nitrophenol		N	2790	mg/kg	0.50			< 0.50			
2,4-Dimethylphenol		N	2790	mg/kg	0.50			< 0.50			
Bis(2-Chloroethoxy)Methane		M	2790	mg/kg	0.50			< 0.50			
2,4-Dichlorophenol		N	2790	mg/kg	0.50			< 0.50			
1,2,4-Trichlorobenzene		M	2790	mg/kg	0.50			< 0.50			
Naphthalene		M	2790	mg/kg	0.50			< 0.50			
4-Chloroaniline		N	2790	mg/kg	0.50			< 0.50			
Hexachlorobutadiene		M	2790	mg/kg	0.50			< 0.50			

Results - Soil

Project: 12-696 Draw Well Road

Client: E3P		Chemtest Job No.:						25-06774	25-06774	25-06774	25-06774	25-06774	25-06774	25-06774	25-06774
Quotation No.: Q23-31421		Chemtest Sample ID.:						1939378	1939379	1939380	1939381	1939382	1939383	1939384	1939385
		Client Sample ID.:						TP302	TP303	TP305	TP308	TP309	TP310	TP310	WS301
		Sample Type:						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):						0.80	0.20	0.90	0.90	1.20	1.00	2.00	0.50
		Date Sampled:						25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025
		Time Sampled:						12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
		Asbestos Lab:						DURHAM	DURHAM				DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD										
4-Chloro-3-Methylphenol		N	2790	mg/kg	0.50					< 0.50					
2-Methylnaphthalene		M	2790	mg/kg	0.50					< 0.50					
4-Nitrophenol		N	2790	mg/kg	0.50					< 0.50					
2,4,6-Trichlorophenol		N	2790	mg/kg	0.50					< 0.50					
2,4,5-Trichlorophenol		N	2790	mg/kg	0.50					< 0.50					
2-Chloronaphthalene		M	2790	mg/kg	0.50					< 0.50					
2-Nitroaniline		N	2790	mg/kg	0.50					< 0.50					
Acenaphthylene		M	2790	mg/kg	0.50					< 0.50					
Dimethylphthalate		M	2790	mg/kg	0.50					< 0.50					
2,6-Dinitrotoluene		N	2790	mg/kg	0.50					< 0.50					
Acenaphthene		M	2790	mg/kg	0.50					< 0.50					
3-Nitroaniline		N	2790	mg/kg	0.50					< 0.50					
Dibenzofuran		M	2790	mg/kg	0.50					< 0.50					
4-Chlorophenylphenylether		M	2790	mg/kg	0.50					< 0.50					
2,4-Dinitrotoluene		N	2790	mg/kg	0.50					< 0.50					
Fluorene		M	2790	mg/kg	0.50					< 0.50					
Diethyl Phthalate		M	2790	mg/kg	0.50					< 0.50					
4-Nitroaniline		N	2790	mg/kg	0.50					< 0.50					
Azobenzene		M	2790	mg/kg	0.50					< 0.50					
4-Bromophenylphenyl Ether		M	2790	mg/kg	0.50					< 0.50					
Hexachlorobenzene		M	2790	mg/kg	0.50					< 0.50					
Phenanthrene		M	2790	mg/kg	0.50					< 0.50					
Anthracene		M	2790	mg/kg	0.50					< 0.50					
Carbazole		M	2790	mg/kg	0.50					< 0.50					
Di-N-Butyl Phthalate		N	2790	mg/kg	0.50					< 0.50					
Fluoranthene		M	2790	mg/kg	0.50					< 0.50					
Pyrene		M	2790	mg/kg	0.50					< 0.50					
Butylbenzyl Phthalate		N	2790	mg/kg	0.50					< 0.50					
Benzo[a]anthracene		M	2790	mg/kg	0.50					< 0.50					
Chrysene		M	2790	mg/kg	0.50					< 0.50					
Bis(2-Ethylhexyl)Phthalate		N	2790	mg/kg	0.50					< 0.50					
Di-N-Octyl Phthalate		N	2790	mg/kg	0.50					< 0.50					
Benzo[b]fluoranthene		M	2790	mg/kg	0.50					< 0.50					
Benzo[k]fluoranthene		M	2790	mg/kg	0.50					< 0.50					
Benzo[a]pyrene		M	2790	mg/kg	0.50					< 0.50					
Indeno(1,2,3-c,d)Pyrene		N	2790	mg/kg	0.50					< 0.50					
Dibenz(a,h)Anthracene		N	2790	mg/kg	0.50					< 0.50					
Benzo[g,h,i]perylene		M	2790	mg/kg	0.50					< 0.50					

Results - Soil

Project: 12-696 Draw Well Road

Client: E3P		Chemtest Job No.:				25-06774	25-06774	25-06774	25-06774	25-06774	25-06774	25-06774	25-06774
Quotation No.: Q23-31421		Chemtest Sample ID.:				1939378	1939379	1939380	1939381	1939382	1939383	1939384	1939385
		Client Sample ID.:				TP302	TP303	TP305	TP308	TP309	TP310	TP310	WS301
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0.80	0.20	0.90	0.90	1.20	1.00	2.00	0.50
		Date Sampled:				25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025
		Time Sampled:				12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
		Asbestos Lab:				DURHAM	DURHAM				DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD								
Naphthalene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10	1.5	1.9	0.30
Acenaphthylene		N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10	0.19	< 0.10	< 0.10
Acenaphthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10	0.23	< 0.10	< 0.10
Fluorene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10	0.39	< 0.10	< 0.10
Phenanthrene		M	2800	mg/kg	0.10	0.26	< 0.10	< 0.10		< 0.10	1.9	1.0	0.26
Anthracene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10	0.49	0.25	0.11
Fluoranthene		M	2800	mg/kg	0.10	0.35	< 0.10	< 0.10		< 0.10	2.2	0.98	0.30
Pyrene		M	2800	mg/kg	0.10	0.33	< 0.10	< 0.10		< 0.10	2.1	0.73	0.26
Benzo[a]anthracene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10	0.86	< 0.10	< 0.10
Chrysene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10	0.84	< 0.10	< 0.10
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10	1.1	< 0.10	< 0.10
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10	0.35	< 0.10	< 0.10
Benzo[a]pyrene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10	0.89	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10	0.45	< 0.10	< 0.10
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10	0.12	< 0.10	< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10	0.56	< 0.10	< 0.10
Total Of 16 PAH's		N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0		< 2.0	14	4.9	< 2.0
Total Phenols		M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Soil

Project: 12-696 Draw Well Road

Client: E3P		Chemtest Job No.:		25-06774	25-06774	25-06774	25-06774
Quotation No.: Q23-31421		Chemtest Sample ID.:		1939386	1939387	1939388	1939389
		Client Sample ID.:		WS303	WS304	WS305	WS306
		Sample Type:		SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.80	0.90	1.80	0.80
		Date Sampled:		25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025
		Time Sampled:		12:00	12:00	12:00	12:00
		Asbestos Lab:		DURHAM			DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD		
ACM Type		N	2192		N/A	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	20	15
Soil Colour		N	2040		N/A	Brown	Brown
Other Material		N	2040		N/A	None	None
Soil Texture		N	2040		N/A	Sand	Sand
pH at 20C		M	2010		4.0	7.5	6.9
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	< 0.010	< 0.010
Total Sulphur		U	2175	%	0.010	0.020	0.020
Cyanide (Total)		M	2300	mg/kg	0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	3.0	2.5
Sulphate (Total)		U	2430	%	0.010	0.019	0.036
Arsenic		M	2455	mg/kg	0.5	< 0.5	< 0.5
Cadmium		M	2455	mg/kg	0.10	< 0.10	< 0.10
Chromium		M	2455	mg/kg	0.5	4.3	4.8
Copper		M	2455	mg/kg	0.50	0.53	< 0.50
Mercury		M	2455	mg/kg	0.05	< 0.05	< 0.05
Nickel		M	2455	mg/kg	0.50	1.4	1.4
Lead		M	2455	mg/kg	0.50	1.2	1.2
Selenium		M	2455	mg/kg	0.25	< 0.25	< 0.25
Zinc		M	2455	mg/kg	0.50	1.5	2.5
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50	< 0.50
Organic Matter		M	2625	%	0.40	0.97	1.5
Total Organic Carbon		M	2625	%	0.20	0.56	0.89
TPH >C6-C8	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0
TPH >C8-C10	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0
TPH >C10-C12	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0
TPH >C12-C16	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0
TPH >C16-C21	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0
TPH >C21-C25	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0
TPH >C25-C35	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0
TPH >C35-C40	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0
Total TPH >C6-C40	EH_1D_Total	U	2670	mg/kg	10	< 10	< 10
Dichlorodifluoromethane		U	2760	µg/kg	1.0		
Chloromethane		M	2760	µg/kg	1.0		
Vinyl Chloride		M	2760	µg/kg	1.0		

Results - Soil

Project: 12-696 Draw Well Road

Client: E3P		Chemtest Job No.:				25-06774	25-06774	25-06774	25-06774
Quotation No.: Q23-31421		Chemtest Sample ID.:				1939386	1939387	1939388	1939389
		Client Sample ID.:				WS303	WS304	WS305	WS306
		Sample Type:				SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0.80	0.90	1.80	0.80
		Date Sampled:				25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025
		Time Sampled:				12:00	12:00	12:00	12:00
		Asbestos Lab:				DURHAM			DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
Bromomethane		M	2760	µg/kg	20				
Chloroethane		U	2760	µg/kg	2.0				
Trichlorofluoromethane		M	2760	µg/kg	1.0				
1,1-Dichloroethene		M	2760	µg/kg	1.0				
Dichloromethane		N	2760	µg/kg	50				
Trans 1,2-Dichloroethene		M	2760	µg/kg	1.0				
1,1-Dichloroethane		M	2760	µg/kg	1.0				
cis 1,2-Dichloroethene		M	2760	µg/kg	1.0				
Bromochloromethane		U	2760	µg/kg	5.0				
Trichloromethane		M	2760	µg/kg	1.0				
1,1,1-Trichloroethane		M	2760	µg/kg	1.0				
Tetrachloromethane		M	2760	µg/kg	1.0				
1,1-Dichloropropene		U	2760	µg/kg	1.0				
Benzene		M	2760	µg/kg	1.0				
1,2-Dichloroethane		M	2760	µg/kg	2.0				
Trichloroethene		N	2760	µg/kg	1.0				
1,2-Dichloropropane		M	2760	µg/kg	1.0				
Dibromomethane		M	2760	µg/kg	1.0				
Bromodichloromethane		M	2760	µg/kg	5.0				
cis-1,3-Dichloropropene		N	2760	µg/kg	10				
Toluene		M	2760	µg/kg	1.0				
Trans-1,3-Dichloropropene		N	2760	µg/kg	10				
1,1,2-Trichloroethane		M	2760	µg/kg	10				
Tetrachloroethene		M	2760	µg/kg	1.0				
1,3-Dichloropropane		U	2760	µg/kg	2.0				
Dibromochloromethane		U	2760	µg/kg	10				
1,2-Dibromoethane		M	2760	µg/kg	5.0				
Chlorobenzene		M	2760	µg/kg	1.0				
1,1,1,2-Tetrachloroethane		M	2760	µg/kg	2.0				
Ethylbenzene		M	2760	µg/kg	1.0				
m & p-Xylene		M	2760	µg/kg	1.0				
o-Xylene		M	2760	µg/kg	1.0				
Styrene		M	2760	µg/kg	1.0				
Tribromomethane		U	2760	µg/kg	1.0				
Isopropylbenzene		M	2760	µg/kg	1.0				
Bromobenzene		M	2760	µg/kg	1.0				
1,2,3-Trichloropropane		N	2760	µg/kg	50				
N-Propylbenzene		U	2760	µg/kg	1.0				

Results - Soil

Project: 12-696 Draw Well Road

Client: E3P		Chemtest Job No.:				25-06774	25-06774	25-06774	25-06774
Quotation No.: Q23-31421		Chemtest Sample ID.:				1939386	1939387	1939388	1939389
		Client Sample ID.:				WS303	WS304	WS305	WS306
		Sample Type:				SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0.80	0.90	1.80	0.80
		Date Sampled:				25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025
		Time Sampled:				12:00	12:00	12:00	12:00
		Asbestos Lab:				DURHAM			DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
2-Chlorotoluene		M	2760	µg/kg	1.0				
1,3,5-Trimethylbenzene		M	2760	µg/kg	1.0				
4-Chlorotoluene		U	2760	µg/kg	1.0				
Tert-Butylbenzene		U	2760	µg/kg	1.0				
1,2,4-Trimethylbenzene		M	2760	µg/kg	1.0				
Sec-Butylbenzene		U	2760	µg/kg	1.0				
1,3-Dichlorobenzene		M	2760	µg/kg	1.0				
4-Isopropyltoluene		U	2760	µg/kg	1.0				
1,4-Dichlorobenzene		M	2760	µg/kg	1.0				
N-Butylbenzene		U	2760	µg/kg	1.0				
1,2-Dichlorobenzene		M	2760	µg/kg	1.0				
1,2-Dibromo-3-Chloropropane		U	2760	µg/kg	50				
1,2,4-Trichlorobenzene		M	2760	µg/kg	1.0				
Hexachlorobutadiene		N	2760	µg/kg	1.0				
1,2,3-Trichlorobenzene		U	2760	µg/kg	2.0				
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0				
N-Nitrosodimethylamine		M	2790	mg/kg	0.50				
Phenol		M	2790	mg/kg	0.50				
2-Chlorophenol		N	2790	mg/kg	0.50				
Bis-(2-Chloroethyl)Ether		M	2790	mg/kg	0.50				
1,3-Dichlorobenzene		M	2790	mg/kg	0.50				
1,4-Dichlorobenzene		N	2790	mg/kg	0.50				
1,2-Dichlorobenzene		M	2790	mg/kg	0.50				
2-Methylphenol		M	2790	mg/kg	0.50				
Bis(2-Chloroisopropyl)Ether		M	2790	mg/kg	0.50				
Hexachloroethane		N	2790	mg/kg	0.50				
N-Nitrosodi-n-propylamine		M	2790	mg/kg	0.50				
4-Methylphenol		M	2790	mg/kg	0.50				
Nitrobenzene		N	2790	mg/kg	0.50				
Isophorone		M	2790	mg/kg	0.50				
2-Nitrophenol		N	2790	mg/kg	0.50				
2,4-Dimethylphenol		N	2790	mg/kg	0.50				
Bis(2-Chloroethoxy)Methane		M	2790	mg/kg	0.50				
2,4-Dichlorophenol		N	2790	mg/kg	0.50				
1,2,4-Trichlorobenzene		M	2790	mg/kg	0.50				
Naphthalene		M	2790	mg/kg	0.50				
4-Chloroaniline		N	2790	mg/kg	0.50				
Hexachlorobutadiene		M	2790	mg/kg	0.50				

Results - Soil

Project: 12-696 Draw Well Road

Client: E3P		Chemtest Job No.:				25-06774	25-06774	25-06774	25-06774
Quotation No.: Q23-31421		Chemtest Sample ID.:				1939386	1939387	1939388	1939389
		Client Sample ID.:				WS303	WS304	WS305	WS306
		Sample Type:				SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0.80	0.90	1.80	0.80
		Date Sampled:				25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025
		Time Sampled:				12:00	12:00	12:00	12:00
		Asbestos Lab:				DURHAM			DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
4-Chloro-3-Methylphenol		N	2790	mg/kg	0.50				
2-Methylnaphthalene		M	2790	mg/kg	0.50				
4-Nitrophenol		N	2790	mg/kg	0.50				
2,4,6-Trichlorophenol		N	2790	mg/kg	0.50				
2,4,5-Trichlorophenol		N	2790	mg/kg	0.50				
2-Chloronaphthalene		M	2790	mg/kg	0.50				
2-Nitroaniline		N	2790	mg/kg	0.50				
Acenaphthylene		M	2790	mg/kg	0.50				
Dimethylphthalate		M	2790	mg/kg	0.50				
2,6-Dinitrotoluene		N	2790	mg/kg	0.50				
Acenaphthene		M	2790	mg/kg	0.50				
3-Nitroaniline		N	2790	mg/kg	0.50				
Dibenzofuran		M	2790	mg/kg	0.50				
4-Chlorophenylphenylether		M	2790	mg/kg	0.50				
2,4-Dinitrotoluene		N	2790	mg/kg	0.50				
Fluorene		M	2790	mg/kg	0.50				
Diethyl Phthalate		M	2790	mg/kg	0.50				
4-Nitroaniline		N	2790	mg/kg	0.50				
Azobenzene		M	2790	mg/kg	0.50				
4-Bromophenylphenyl Ether		M	2790	mg/kg	0.50				
Hexachlorobenzene		M	2790	mg/kg	0.50				
Phenanthrene		M	2790	mg/kg	0.50				
Anthracene		M	2790	mg/kg	0.50				
Carbazole		M	2790	mg/kg	0.50				
Di-N-Butyl Phthalate		N	2790	mg/kg	0.50				
Fluoranthene		M	2790	mg/kg	0.50				
Pyrene		M	2790	mg/kg	0.50				
Butylbenzyl Phthalate		N	2790	mg/kg	0.50				
Benzo[a]anthracene		M	2790	mg/kg	0.50				
Chrysene		M	2790	mg/kg	0.50				
Bis(2-Ethylhexyl)Phthalate		N	2790	mg/kg	0.50				
Di-N-Octyl Phthalate		N	2790	mg/kg	0.50				
Benzo[b]fluoranthene		M	2790	mg/kg	0.50				
Benzo[k]fluoranthene		M	2790	mg/kg	0.50				
Benzo[a]pyrene		M	2790	mg/kg	0.50				
Indeno(1,2,3-c,d)Pyrene		N	2790	mg/kg	0.50				
Dibenz(a,h)Anthracene		N	2790	mg/kg	0.50				
Benzo[g,h,i]perylene		M	2790	mg/kg	0.50				

Results - Soil

Project: 12-696 Draw Well Road

Client: E3P		Chemtest Job No.:		25-06774	25-06774	25-06774	25-06774
Quotation No.: Q23-31421		Chemtest Sample ID.:		1939386	1939387	1939388	1939389
		Client Sample ID.:		WS303	WS304	WS305	WS306
		Sample Type:		SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.80	0.90	1.80	0.80
		Date Sampled:		25-Feb-2025	25-Feb-2025	25-Feb-2025	25-Feb-2025
		Time Sampled:		12:00	12:00	12:00	12:00
		Asbestos Lab:		DURHAM			DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD		
Naphthalene		M	2800	mg/kg	0.10	< 0.10	< 0.10
Acenaphthylene		N	2800	mg/kg	0.10	< 0.10	< 0.10
Acenaphthene		M	2800	mg/kg	0.10	< 0.10	< 0.10
Fluorene		M	2800	mg/kg	0.10	< 0.10	< 0.10
Phenanthrene		M	2800	mg/kg	0.10	< 0.10	< 0.10
Anthracene		M	2800	mg/kg	0.10	< 0.10	< 0.10
Fluoranthene		M	2800	mg/kg	0.10	< 0.10	< 0.10
Pyrene		M	2800	mg/kg	0.10	< 0.10	< 0.10
Benzo[a]anthracene		M	2800	mg/kg	0.10	< 0.10	< 0.10
Chrysene		M	2800	mg/kg	0.10	< 0.10	< 0.10
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	< 0.10	< 0.10
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	< 0.10	< 0.10
Benzo[a]pyrene		M	2800	mg/kg	0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	< 0.10	< 0.10
Total Of 16 PAH's		N	2800	mg/kg	2.0	< 2.0	< 2.0
Total Phenols		M	2920	mg/kg	0.10	< 0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.	
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).	RE PW PL SW DW GW
1490	Hexavalent Chromium in Waters	Chromium [VI]	Automated colorimetric analysis by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazine.	
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection	
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.	
1800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-MS	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Pentane extraction / GCMS detection	
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.	
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.	
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.	
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazine.	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2790	Semi-Volatile Organic Compounds (SVOCs) in Soils by GC-MS	Semi-volatile organic compounds(cf. USEPA Method 8270)	Acetone/Hexane extraction / GC-MS	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	
650	Characterisation of Waste (Leaching WAC)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	

Report Information

Key

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

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.

Any comments or interpretations are outside the scope of UKAS accreditation.

The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.

Uncertainty of measurement for the determinands tested are available upon request .

None of the results in this report have been recovery corrected.

All results are expressed on a dry weight basis.

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

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

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

NEW_ASB	Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL
DURHAM	Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

A - Date of sampling not supplied

B - Sample age exceeds stability time (sampling to extraction)

C - Sample not received in appropriate containers

D - Broken Container

E - The required amount of sample for analysis was not received

H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

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

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

Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

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



Final Report

Report No.: 25-25320-1

Initial Date of Issue: 05-Aug-2025

Re-Issue Details:

Client E3P

Client Address: Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contact(s): hmason@e3p.co.uk ;
rhorseman@e3p.co.uk

Project 12-969 - Drawell Road

Quotation No.: Q23-31421

Date Received: 31-Jul-2025

Order No.: 011812

Date Instructed: 31-Jul-2025

No. of Samples: 3

Turnaround (Wkdays): 5

Results Due: 06-Aug-2025

Date Approved: 05-Aug-2025

Approved By:

Details: David Smith, Technical Director

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

Results - Soil

Project: 12-969 - Drawell Road

Client: E3P		Chemtest Job No.:		25-25320	25-25320	25-25320
Quotation No.: Q23-31421		Chemtest Sample ID.:		2008963	2008964	2008965
		Client Sample ID.:		PIPE 101	PIPE 102	PIPE 103
		Sample Type:		SOIL	SOIL	SOIL
		Date Sampled:		24-Jul-2025	24-Jul-2025	24-Jul-2025
		Time Sampled:		12:00	12:00	12:00
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
Moisture		N	2030	%	0.020	1.8
Soil Colour		N	2030		N/A	Black
Other Material		N	2030		N/A	Stones, ceramic, tile and Glass
Soil Texture		N	2030		N/A	Gravel
pH at 20C		M	2010		4.0	11.4
Electrical Conductivity (2:1)		N	2020	µS/cm	1.0	1600
Redox Potential By Probe		N	2150	mV	N/A	45
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	< 0.10
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	< 2.0
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	< 1.0
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	< 2.0
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	< 3.0
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	< 10
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	< 5.0
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	< 10
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	< 1.0
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	< 1.0
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	37
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	82
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	3.0
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	120
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00	120
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	120
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00	120
Dichlorodifluoromethane		N	2760	µg/kg	1.0	< 1.0
Chloromethane		M	2760	µg/kg	1.0	< 1.0
Vinyl Chloride		M	2760	µg/kg	1.0	< 1.0
Bromomethane		M	2760	µg/kg	20	< 20

Results - Soil

Project: 12-969 - Drawell Road

Client: E3P		Chemtest Job No.:		25-25320	25-25320	25-25320
Quotation No.: Q23-31421		Chemtest Sample ID.:		2008963	2008964	2008965
		Client Sample ID.:		PIPE 101	PIPE 102	PIPE 103
		Sample Type:		SOIL	SOIL	SOIL
		Date Sampled:		24-Jul-2025	24-Jul-2025	24-Jul-2025
		Time Sampled:		12:00	12:00	12:00
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
Chloroethane		U	2760	µg/kg	2.0	< 2.0
Trichlorofluoromethane		N	2760	µg/kg	1.0	< 1.0
1,1-Dichloroethene		M	2760	µg/kg	1.0	< 1.0
Dichloromethane		N	2760	µg/kg	50	< 50
Trans 1,2-Dichloroethene		M	2760	µg/kg	1.0	< 1.0
1,1-Dichloroethane		M	2760	µg/kg	1.0	< 1.0
cis 1,2-Dichloroethene		M	2760	µg/kg	1.0	< 1.0
Bromochloromethane		U	2760	µg/kg	5.0	< 5.0
Trichloromethane		M	2760	µg/kg	1.0	< 1.0
1,1,1-Trichloroethane		M	2760	µg/kg	1.0	< 1.0
Tetrachloromethane		M	2760	µg/kg	1.0	< 1.0
1,1-Dichloropropene		U	2760	µg/kg	1.0	< 1.0
Benzene		M	2760	µg/kg	1.0	< 1.0
1,2-Dichloroethane		M	2760	µg/kg	2.0	< 2.0
Trichloroethene		N	2760	µg/kg	1.0	< 1.0
1,2-Dichloropropane		M	2760	µg/kg	1.0	< 1.0
Dibromomethane		M	2760	µg/kg	1.0	< 1.0
Bromodichloromethane		M	2760	µg/kg	5.0	< 5.0
cis-1,3-Dichloropropene		N	2760	µg/kg	10	< 10
Toluene		M	2760	µg/kg	1.0	< 1.0
Trans-1,3-Dichloropropene		N	2760	µg/kg	10	< 10
1,1,2-Trichloroethane		M	2760	µg/kg	10	< 10
Tetrachloroethene		M	2760	µg/kg	1.0	< 1.0
1,3-Dichloropropane		U	2760	µg/kg	2.0	< 2.0
Dibromochloromethane		U	2760	µg/kg	10	< 10
1,2-Dibromoethane		M	2760	µg/kg	5.0	< 5.0
Chlorobenzene		M	2760	µg/kg	1.0	< 1.0
1,1,1,2-Tetrachloroethane		M	2760	µg/kg	2.0	< 2.0
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0
o-Xylene		M	2760	µg/kg	1.0	< 1.0
Styrene		M	2760	µg/kg	1.0	< 1.0
Tribromomethane		U	2760	µg/kg	1.0	< 1.0
Isopropylbenzene		M	2760	µg/kg	1.0	< 1.0
Bromobenzene		M	2760	µg/kg	1.0	< 1.0
1,2,3-Trichloropropane		N	2760	µg/kg	50	< 50
N-Propylbenzene		U	2760	µg/kg	1.0	< 1.0
2-Chlorotoluene		M	2760	µg/kg	1.0	< 1.0
1,3,5-Trimethylbenzene		M	2760	µg/kg	1.0	< 1.0
4-Chlorotoluene		U	2760	µg/kg	1.0	< 1.0

Results - Soil

Project: 12-969 - Drawell Road

Client: E3P		Chemtest Job No.:		25-25320	25-25320	25-25320
Quotation No.: Q23-31421		Chemtest Sample ID.:		2008963	2008964	2008965
		Client Sample ID.:		PIPE 101	PIPE 102	PIPE 103
		Sample Type:		SOIL	SOIL	SOIL
		Date Sampled:		24-Jul-2025	24-Jul-2025	24-Jul-2025
		Time Sampled:		12:00	12:00	12:00
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
Tert-Butylbenzene		U	2760	µg/kg	1.0	< 1.0
1,2,4-Trimethylbenzene		M	2760	µg/kg	1.0	< 1.0
Sec-Butylbenzene		U	2760	µg/kg	1.0	< 1.0
1,3-Dichlorobenzene		M	2760	µg/kg	1.0	< 1.0
4-Isopropyltoluene		U	2760	µg/kg	1.0	< 1.0
1,4-Dichlorobenzene		M	2760	µg/kg	1.0	< 1.0
N-Butylbenzene		U	2760	µg/kg	1.0	< 1.0
1,2-Dichlorobenzene		M	2760	µg/kg	1.0	< 1.0
1,2-Dibromo-3-Chloropropane		N	2760	µg/kg	50	< 50
1,2,4-Trichlorobenzene		M	2760	µg/kg	1.0	< 1.0
Hexachlorobutadiene		N	2760	µg/kg	1.0	< 1.0
1,2,3-Trichlorobenzene		U	2760	µg/kg	2.0	< 2.0
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	< 1.0
N-Nitrosodimethylamine		M	2790	mg/kg	0.50	< 0.50
Phenol		M	2790	mg/kg	0.50	< 0.50
2-Chlorophenol		N	2790	mg/kg	0.50	< 0.50
Bis-(2-Chloroethyl)Ether		M	2790	mg/kg	0.50	< 0.50
1,3-Dichlorobenzene		M	2790	mg/kg	0.50	< 0.50
1,4-Dichlorobenzene		N	2790	mg/kg	0.50	< 0.50
1,2-Dichlorobenzene		M	2790	mg/kg	0.50	< 0.50
2-Methylphenol		M	2790	mg/kg	0.50	< 0.50
Bis(2-Chloroisopropyl)Ether		N	2790	mg/kg	0.50	< 0.50
Hexachloroethane		N	2790	mg/kg	0.50	< 0.50
N-Nitrosodi-n-propylamine		M	2790	mg/kg	0.50	< 0.50
4-Methylphenol		M	2790	mg/kg	0.50	< 0.50
Nitrobenzene		N	2790	mg/kg	0.50	< 0.50
Isophorone		M	2790	mg/kg	0.50	< 0.50
2-Nitrophenol		N	2790	mg/kg	0.50	< 0.50
2,4-Dimethylphenol		N	2790	mg/kg	0.50	< 0.50
Bis(2-Chloroethoxy)Methane		M	2790	mg/kg	0.50	< 0.50
2,4-Dichlorophenol		N	2790	mg/kg	0.50	< 0.50
1,2,4-Trichlorobenzene		M	2790	mg/kg	0.50	< 0.50
Naphthalene		M	2790	mg/kg	0.50	< 0.50
4-Chloroaniline		N	2790	mg/kg	0.50	< 0.50
Hexachlorobutadiene		M	2790	mg/kg	0.50	< 0.50
4-Chloro-3-Methylphenol		N	2790	mg/kg	0.50	< 0.50
2-Methylnaphthalene		M	2790	mg/kg	0.50	< 0.50
4-Nitrophenol		N	2790	mg/kg	0.50	< 0.50
2,4,6-Trichlorophenol		N	2790	mg/kg	0.50	< 0.50
2,4,5-Trichlorophenol		N	2790	mg/kg	0.50	< 0.50

Results - Soil

Project: 12-969 - Drawell Road

Client: E3P		Chemtest Job No.:				25-25320	25-25320	25-25320
Quotation No.: Q23-31421		Chemtest Sample ID.:				2008963	2008964	2008965
		Client Sample ID.:				PIPE 101	PIPE 102	PIPE 103
		Sample Type:				SOIL	SOIL	SOIL
		Date Sampled:				24-Jul-2025	24-Jul-2025	24-Jul-2025
		Time Sampled:				12:00	12:00	12:00
Determinand	HWOL Code	Accred.	SOP	Units	LOD			
2-Chloronaphthalene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
2-Nitroaniline		N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Acenaphthylene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Dimethylphthalate		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
2,6-Dinitrotoluene		N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Acenaphthene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
3-Nitroaniline		N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Dibenzofuran		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
4-Chlorophenylphenylether		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
2,4-Dinitrotoluene		N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Fluorene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Diethyl Phthalate		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
4-Nitroaniline		N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Azobenzene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
4-Bromophenylphenyl Ether		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Hexachlorobenzene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Phenanthrene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Anthracene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Carbazole		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Di-N-Butyl Phthalate		N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Fluoranthene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Pyrene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Butylbenzyl Phthalate		N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Benzo[a]anthracene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Chrysene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Bis(2-Ethylhexyl)Phthalate		N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Di-N-Octyl Phthalate		N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Benzo[b]fluoranthene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Benzo[k]fluoranthene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Benzo[a]pyrene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene		N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Dibenz(a,h)Anthracene		N	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Benzo[g,h,i]perylene		M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
SVOC TIC		N	2790	mg/kg	N/A	None Detected	None Detected	None Detected
VOC TIC		N	2760	µg/kg	N/A	None Detected	None Detected	None Detected
Cresols & Chlorinated Phenols		N	2790	mg/kg	0.5	< 0.5	< 0.5	< 0.5
Total SVOCs		N	2790	mg/kg	0.5	< 0.5	< 0.5	< 0.5
Total VOCs		N	2760	mg/kg	0.01	< 0.01	12	4.5

Results - UKWIR Samples

Project: 12-969 - Drawell Road

Client: E3P	Chemtest Job No.:				25-25320	25-25320	25-25320
<i>Quotation No.: Q23-31421</i>	Chemtest Sample ID.:				2008963	2008964	2008965
<i>Order No.: 011812</i>	<i>Client Sample Ref.:</i>						
	<i>Client Sample ID.:</i>				PIPE 101	PIPE 102	PIPE 103
	<i>Client Reference:</i>						
	<i>Sample Type:</i>				SOIL	SOIL	SOIL
	<i>Top Depth (m):</i>						
	<i>Bottom Depth (m):</i>						
	<i>Date Sampled:</i>				24-Jul-2025	24-Jul-2025	24-Jul-2025
Determinand	Accred.	SOP	Units	LOD			
pH at 20C	M	2010		4.0	11.4	11.4	10.8
Electrical Conductivity (2:1)	N	2020	µS/cm	1.0	1600	1800	1700
UKWIR EC05-10	N	2780	mg/kg	4.0	< 4.0	< 4.0	< 4.0
UKWIR EC10-16 MC	N	2690	mg/kg	4.0	< 4.0	< 4.0	< 4.0
UKWIR EC16-40 MC	N	2690	mg/kg	4.0	120	45	43
Redox Potential By Probe	N	2150	mV	N/A	45	57	33
Total VOCs	N	2760	mg/kg	0.01	< 0.01	0.01	< 0.01
BTEX + MTBE	N	2760	mg/kg	0.01	< 0.01	0.01	< 0.01
Total SVOCs	N	2790	mg/kg	0.5	< 0.5	< 0.5	< 0.5
Phenol	M	2790	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Cresols & Chlorinated Phenols	N	2790	mg/kg	0.5	< 0.5	< 0.5	< 0.5
TICs (Ethers,Ketones,Aldehydes,Amines)	N	2790	mg/kg	N/A	None	None	None
Amines							

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	pH Meter	
2020	Electrical Conductivity	Electrical conductivity (EC) of aqueous extract or calcium sulphate solution for topsoil	Measurement of the electrical resistance of a 2:1 water/soil extract.	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2150	Redox Potential	Redox Potential	Meter	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8-C10 Aromatics: >C5–C7,>C7-C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2790	Semi-Volatile Organic Compounds (SVOCs) in Soils by GC-MS	Semi-volatile organic compounds(cf. USEPA Method 8270)	Acetone/Hexane extraction / GC-MS	

Report Information

Key

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

Text example All items indicated in italic font represent customer-supplied information that may not be independently verified by the laboratory
This report shall not be reproduced except in full, and only with the prior approval of the laboratory.
Any comments or interpretations are outside the scope of UKAS accreditation.
The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.
Uncertainty of measurement for the determinands tested are available upon request .
None of the results in this report have been recovery corrected.
All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.
For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.
All Asbestos testing is performed at the indicated laboratory .
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

NEW_ASB Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL
DURHAM Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - The required amount of sample for analysis was not received
- H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.
All water samples will be retained for 14 days from the date of receipt.
Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

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



Final Report

Report No.: 25-25325-1

Initial Date of Issue: 21-Aug-2025

Re-Issue Details:

Client E3P

Client Address: Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contact(s): hmason@e3p.co.uk;
rhorseman@e3p.co.uk

Project 12-969 - Drawell Road

Quotation No.: Q23-31421

Date Received: 31-Jul-2025

Order No.: 011811

Date Instructed: 31-Jul-2025

No. of Samples: 3

Turnaround (Wkdays): 5

Results Due: 06-Aug-2025

Date Approved: 21-Aug-2025

Approved By:

Details: David Smith, Technical Director

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

Results - Soil

Project: 12-969 - Drawell Road

Client: E3P		Chemtest Job No.:				25-25325	25-25325	25-25325
Quotation No.: Q23-31421		Chemtest Sample ID.:				2008984	2008985	2008986
		Client Sample ID.:				IMP 101	IMP 102	IMP 103
		Sample Type:				SOIL	SOIL	SOIL
		Date Sampled:				24-Jul-2025	24-Jul-2025	24-Jul-2025
		Time Sampled:				12:00	12:00	12:00
		Asbestos Lab:				DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD			
ACM Type		N	2192		N/A	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	1.2	1.8	0.083
Soil Colour		N	2030		N/A	White	White	White
Other Material		N	2030		N/A	Stones	Stones	Stones
Soil Texture		N	2030		N/A	Gravel	Gravel	Gravel
pH at 20C		M	2010		4.0	10.0	10.0	10.9
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.011	< 0.010	0.071
Total Sulphur		U	2175	%	0.010	0.030	0.010	0.010
Cyanide (Total)		M	2300	mg/kg	0.50	0.90	< 0.50	< 0.50
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	1.9	2.2	2.2
Sulphate (Total)		U	2430	%	0.010	0.019	0.029	0.026
Arsenic		M	2455	mg/kg	0.5	1.1	0.6	1.1
Cadmium		M	2455	mg/kg	0.10	0.43	0.37	1.5
Chromium		M	2455	mg/kg	0.5	3.7	2.4	5.9
Copper		M	2455	mg/kg	0.50	2.3	2.2	1.8
Mercury		M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05
Nickel		M	2455	mg/kg	0.50	2.0	1.4	1.7
Lead		M	2455	mg/kg	0.50	11	15	41
Selenium		M	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25
Zinc		M	2455	mg/kg	0.50	9.3	5.8	18
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Organic Matter		M	2625	%	0.40	9.2	0.57	8.4
Total Organic Carbon		M	2625	%	0.20	5.3	0.33	4.9
TPH >C6-C8	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C10	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0
TPH >C12-C16	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0
TPH >C16-C21	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0
TPH >C21-C25	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0
TPH >C25-C35	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0
TPH >C35-C40	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total TPH >C6-C40	EH_1D_Total	U	2670	mg/kg	10	< 10	< 10	< 10
Naphthalene		M	2800	mg/kg	0.10	0.18	< 0.10	< 0.10
Acenaphthylene		N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluorene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Phenanthrene		M	2800	mg/kg	0.10	0.18	< 0.10	< 0.10

Results - Soil

Project: 12-969 - Drawell Road

Client: E3P		Chemtest Job No.:						25-25325	25-25325	25-25325
Quotation No.: Q23-31421		Chemtest Sample ID.:						2008984	2008985	2008986
		Client Sample ID.:						IMP 101	IMP 102	IMP 103
		Sample Type:						SOIL	SOIL	SOIL
		Date Sampled:						24-Jul-2025	24-Jul-2025	24-Jul-2025
		Time Sampled:						12:00	12:00	12:00
		Asbestos Lab:						DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD					
Anthracene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's		N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total Phenols		M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.	
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.	
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.	
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazine.	
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	

Report Information

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None of the results in this report have been recovery corrected.
All results are expressed on a dry weight basis.

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NEW_ASB Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL
DURHAM Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
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Sample Retention and Disposal

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Report Information

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TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

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MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

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EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

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

Appendix V: Photographs





Plate 1 Site Boundary Fenced Off



Plate 2 Existing Site Utilities Being Diverted



Plate 3 Site Clearance



Plate 4 Southern Boundary Cleared from Vegetation



Plate 5 Oversize Removed from Reduced Level Dig



Plate 6 Excavating Peat in the North





Plate 7 Peat Stockpile to Be Removed Off-Site



Plate 8 Imported 6F



Plate 9 Imported Material Stockpile



Plate 10 Foundation Arisings Stockpile



Appendix VI: Geotechnical Testing Results



TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract Draw Well Road

Job Number MRN 25005/172A
Date of Issue 15 August 2025
Page 1 of 3

Approved Signatories

S J Hutchings, O P Davies

Notes

- 1 All remaining samples and remnants from this contract will be disposed 28 days from the date of this report unless you notify us to the contrary.
- 2 Result certificates, in this report, not bearing a UKAS mark, are not included in our UKAS accreditation schedule.
- 3 Opinions and interpretations expressed herein are outside the scope of our UKAS accreditation.
- 4 Certified that the samples have been examined and tested in accordance with the terms of the contract/order and unless otherwise stated conform to the standards/specifications quoted.
- 5 The results included within the report are representative of the samples submitted for analysis.
- 6 This certificate should not be reproduced, except in full, without the express permission of the laboratory.



Andrew House, Hadfield Street, Dukinfield, Cheshire SK16 4QX Tel: 0161 475 0870
Email: enquiries@murrayrix.com Website: www.murrayrix.com

Also at: London: 020 8523 1999

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TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN 933-1 : 2012 (Washing & Sieving Method)

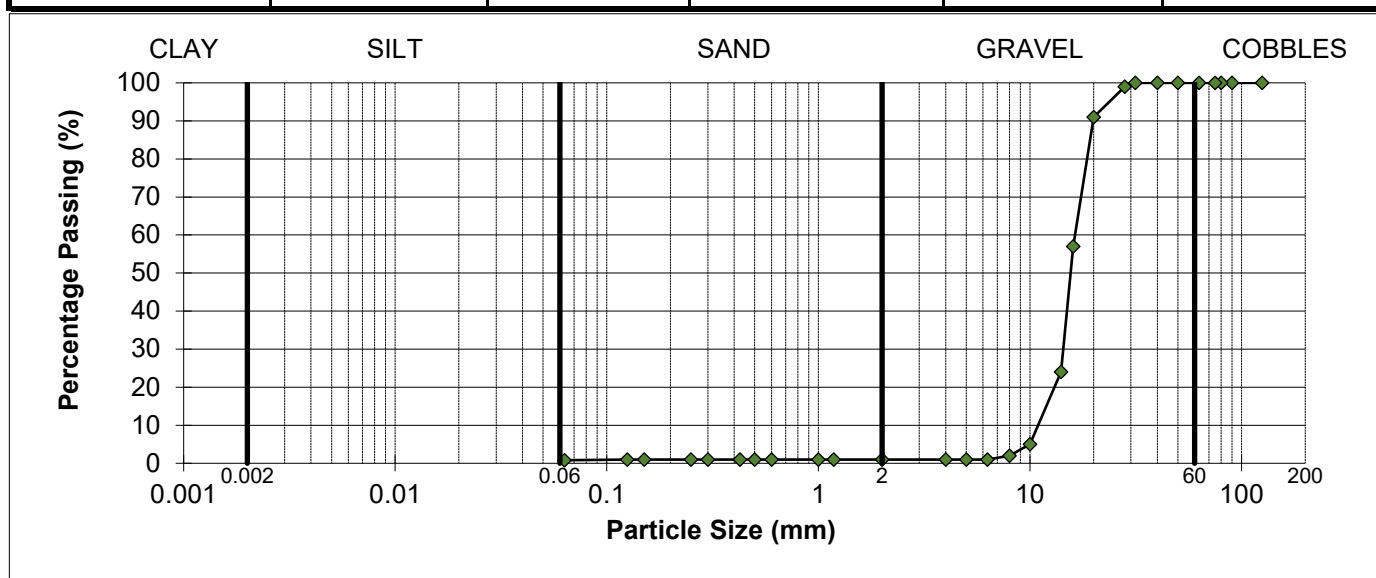
Determination of water content in accordance with BS EN 1097-5:2008

CLIENT	e3p
SITE	Draw Well Road
JOB NUMBER	MRN 25005/172A

SAMPLE LABEL	IMP 101	DATE SAMPLED	24-Jul-25
LAB SAMPLE No	5142601	DATE RECEIVED	31-Jul-25
DATE TESTED	08-Aug-25	SAMPLED BY	Client

MATERIAL	GRAVEL
ADVISED SOURCE	Imported

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100		6.3	1	
90	100		5	1	
80	100		4	1	
75	100		2	1	
63	100		1.18	1	
50	100		1	1	
40	100		0.6	1	
31.5	100		0.5	1	
28	99		0.425	1	
20	91		0.3	1	
16	57		0.25	1	
14	24		0.15	1	
10	5		0.125	1	
8	2		0.063	0.8	



REMARKS

SIGNED



NAME

O.P. Davies BA (Hons)
(Director / Head of Laboratory)

DATE

15-Aug-25

TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN 933-1 : 2012 (Washing & Sieving Method)

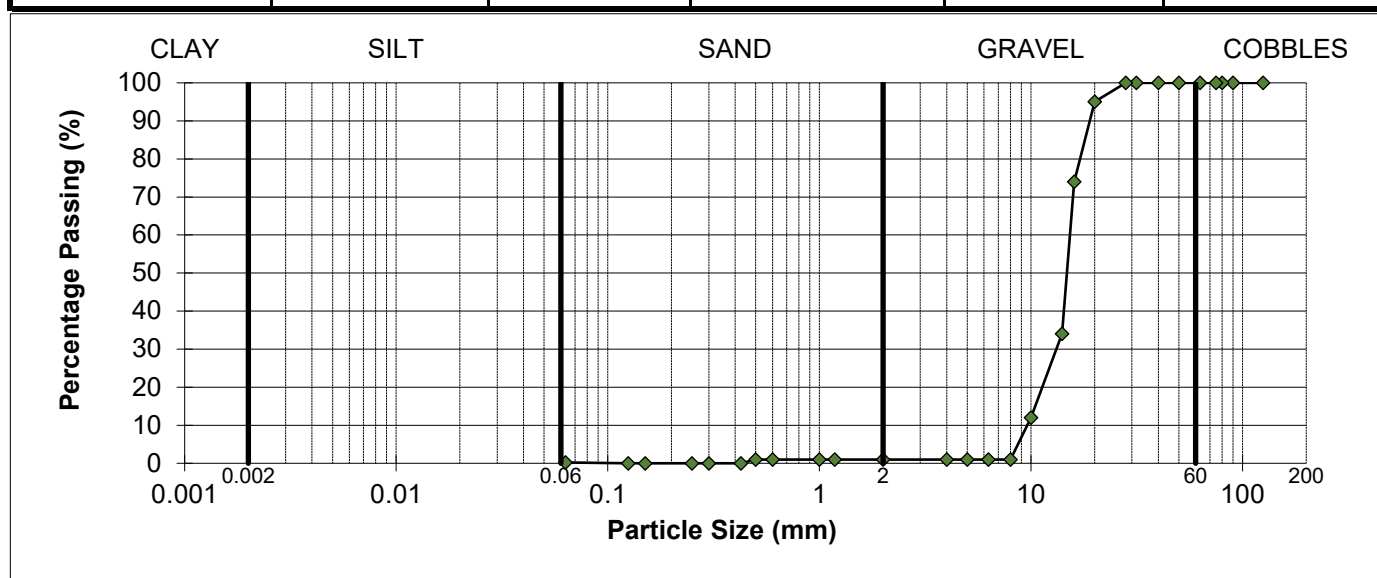
Determination of water content in accordance with BS EN 1097-5:2008

CLIENT	e3p
SITE	Draw Well Road
JOB NUMBER	MRN 25005/172A

SAMPLE LABEL	PIPE 101	DATE SAMPLED	24-Jul-25
LAB SAMPLE No	5142602	DATE RECEIVED	31-Jul-25
DATE TESTED	08-Aug-25	SAMPLED BY	Client

MATERIAL	GRAVEL
ADVISED SOURCE	Imported

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100		6.3	1	
90	100		5	1	
80	100		4	1	
75	100		2	1	
63	100		1.18	1	
50	100		1	1	
40	100		0.6	1	
31.5	100		0.5	1	
28	100		0.425	0	
20	95		0.3	0	
16	74		0.25	0	
14	34		0.15	0	
10	12		0.125	0	
8	1		0.063	0.2	



REMARKS

SIGNED



NAME

O.P. Davies BA (Hons)
(Director / Head of Laboratory)

DATE

15-Aug-25

Appendix VII: In-Situ Testing Results



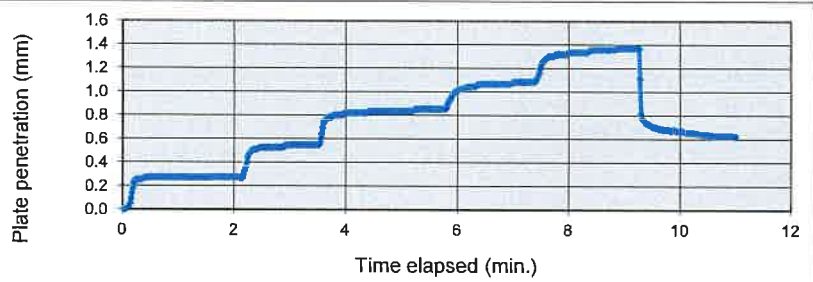
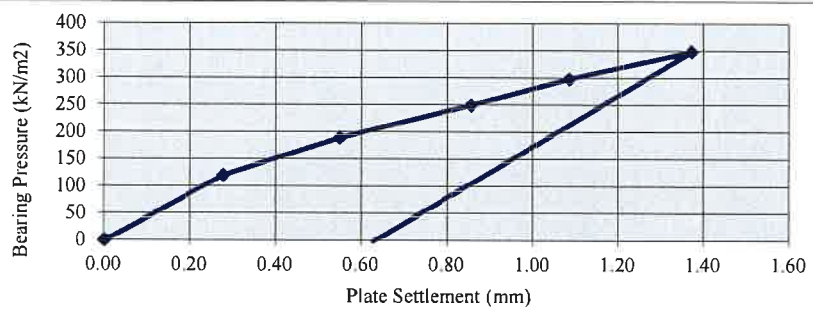
Warrington Laboratory
Ruby House
40A Hardwich Grange
Warrington
WA1 4RF



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Prime Point Knowsley, Acornfield Industrial Estate	Job No.	5008057
Client :	Construction and Property Solutions	Lab Ref No	5008057/01
	Unit 11A, Olympic Park	Date Tested	03/10/2025
	Warrington	Date Reported	10/10/2025
	WA2 0YL		
Originator :	Bhavesh Patel		

Test Ref :		1	
Test Location:		1.00	
Material:	6F5	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	KG
Supplier/Source:	Not Stated	Weather:	DAMP
Plate Diameter:	450	Reaction Load:	13T



Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
121.0	0.28
190.0	0.55
250.0	0.86
298.0	1.09
349.0	1.37
-2.0	0.63
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	349.0
Maximum deformation (mm) :	1.37
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K ₇₆₂ (kN/m2/mm) :	163
Calculated Equivalent CBR (%) :	66
Moisture Content (%) :	Not Required

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.
Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)
Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method
Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

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Luke Williams - Operations Supervisor

L Williams



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Project :	Prime Point Knowsley, Acornfield Industrial Estate	Job No.	5008057
Client :	Construction and Property Solutions	Lab Ref No	5008057/02
	Unit 11A, Olympic Park	Date Tested	03/10/2025
	Warrington	Date Reported	10/10/2025
	WA2 0YL		
Originator :	Bhavesh Patel		

A line graph showing the relationship between bearing pressure and plate settlement. The y-axis is labeled 'Bearing Pressure (kN/m²)' and ranges from 0 to 400 in increments of 50. The x-axis is labeled 'Plate Settlement (mm)' and ranges from 0.00 to 1.40 in increments of 0.20. The graph shows a curve that starts at (0,0), rises to a peak of approximately 350 kN/m² at 1.30 mm settlement, and then drops sharply to zero at approximately 1.25 mm settlement.

Plate Settlement (mm)	Bearing Pressure (kN/m²)
0.00	0
0.30	75
0.58	135
0.85	200
1.08	280
1.30	350
1.25	0

Time elapsed (min.)	Plate penetration (mm)
0	0.0
0.5	0.25
1	0.25
2	0.25
3	0.25
3.5	0.5
4	0.5
6	0.55
6.5	0.75
7	0.75
8	0.8
9	0.85
9.5	1.0
10	1.0
11	1.05
12	1.25
13	1.25
14	1.15
15	1.15

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.
 Values K_{752} , K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)
 Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method
 Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

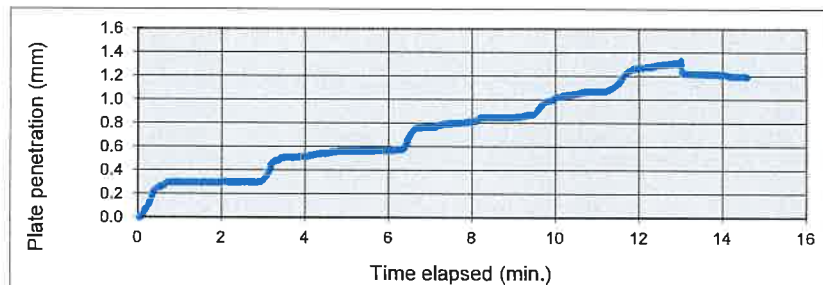
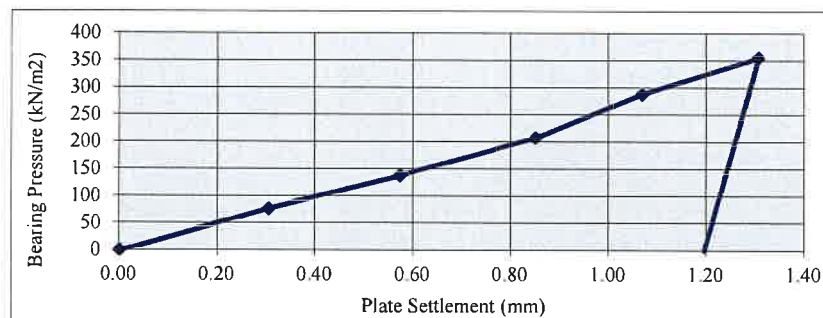
CTS Limited Approved Signature
Luke Williams - Operations Supervisor

L Williams



Project :	Prime Point Knowsley, Acornfield Industrial Estate	Job No.	5008057
Client :	Construction and Property Solutions	Lab Ref No	5008057/02
	Unit 11A, Olympic Park	Date Tested	03/10/2025
	Warrington	Date Reported	10/10/2025
	WA2 0YL		
Originator :	Bhaves Patel		

Test Ref :		23	
Test Location:		2.00	
Material:	6F5	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	KG
Supplier/Source:	Not Stated	Weather:	DAMP
Plate Diameter:	450	Reaction Load:	13T

[illegible]

Maximum Applied Pressure (kPa) :	355.0
Maximum deformation (mm) :	1.31
Modulus of subgrade reaction K (kN/m ² /mm) :	Not Required
K ₇₆₂ (kN/m ² /mm) :	169
Calculated Equivalent CBR (%) :	70
Moisture Content (%) :	Not Required

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.

Values K_{762} , K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

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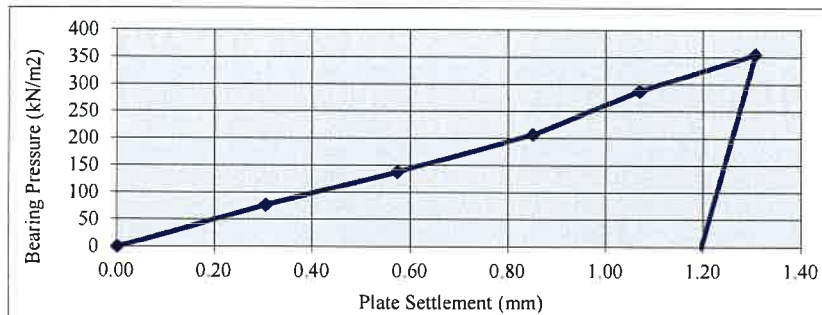


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Project :	Prime Point Knowsley, Acornfield Industrial Estate	Job No.	5008057
Client :	Construction and Property Solutions	Lab Ref No	5008057/02
	Unit 11A, Olympic Park	Date Tested	03/10/2025
	Warrington	Date Reported	10/10/2025
	WA2 0YL		
Originator :	Bhavesh Patel		

Test Ref :		24	
Test Location:		2.00	
Material:	6F5	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	KG
Supplier/Source:	Not Stated	Weather:	DAMP
Plate Diameter:	450	Reaction Load:	13T

[illegible]

Maximum Applied Pressure (kPa) :	355.0
Maximum deformation (mm) :	1.31
Modulus of subgrade reaction K (kN/m ² /mm) :	Not Required
K ₇₆₂ (kN/m ² /mm) :	169
Calculated Equivalent CBR (%) :	70
Moisture Content (%) :	Not Required

Values K_{762} , K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

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L Williams





KEY:

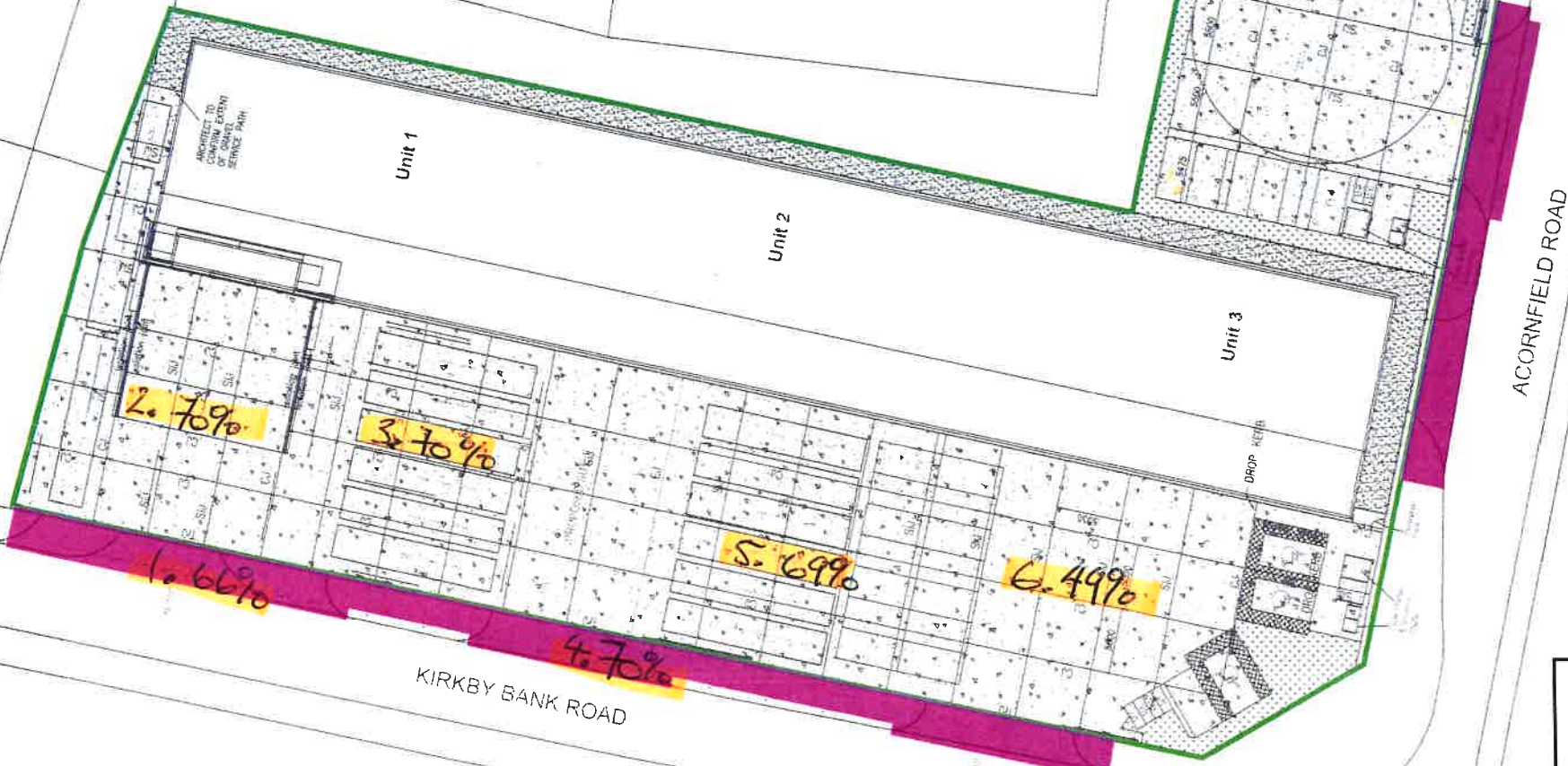


DEVELOPMENT BOUNDARY

S278 WORKS AREA

3.10.25.
CAPPING LEVEL.
(GFS/GF2).
300mm THICK.

ouse



ACORNFIELD ROAD

KIRKBY BANK ROAD

Tanks

ESS



B	UNIT 1 ENTRANCE	02/09/2025
A	S278 WORKS AREA EXTENTS	14/03/2025
REV	DESCRIPTION	DATE
PROJECT TITLE PRIME POINT KNOWSLEY		JOB NO. 021B42
DRAWING TITLE S278 PLAN		
DRAWING NO. 021B42-200	REVISION B	INITIALS CJE
		DATE 17/01/2025
		SHEET SIZE A3
		SCALE 1:500

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Ruby House
40A Hardwich Grange
Warrington
WA1 4RF

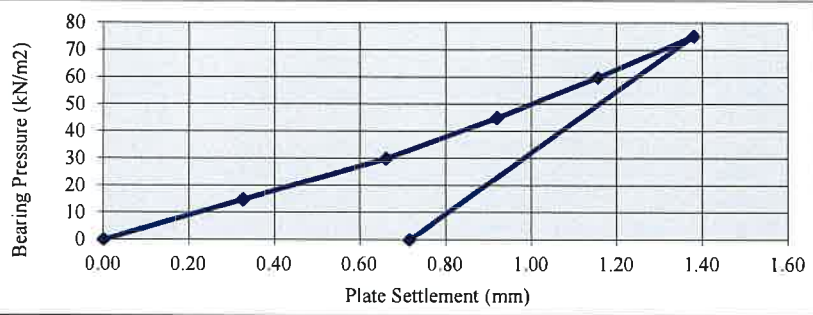


LABORATORY TEST REPORT

DETERMINATION OF PLATE BEARING CAPACITY

Project :	Prime Point Knowsley, Acornfield Industrial Estate	Job No.	5008057
Client :	Construction and Property Solutions	Lab Ref No	5008057/01
	Unit 11A, Olympic Park	Date Tested	28/07/2025
	Warrington	Date Reported	30/07/2025
	WA2 0YL		
Originator :	Bhavesh Patel		

Test Ref :		1	
Test Location:		BOTTOM END ENTRY TO NEW UNIT	
Material:	ROLLED FINE GRANULAR	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	P J
Supplier/Source:	Not Stated	Weather:	OVERCAST
Plate Diameter:	450	Reaction Load:	16 TONNE



Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
15.0	0.33
30.0	0.66
45.0	0.92
60.0	1.15
75.0	1.38
0.0	0.71
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	75.0
Maximum deformation (mm) :	1.38
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K ₁₆₂ (kN/m2/mm) :	33
Calculated Equivalent CBR (%) :	4.2
Moisture Content (%) :	Not Required

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.
Values K₁₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)
Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method
Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

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Luke Williams - Operations Supervisor

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Ruby House
40A Hardwich Grange
Warrington
WA1 4RF

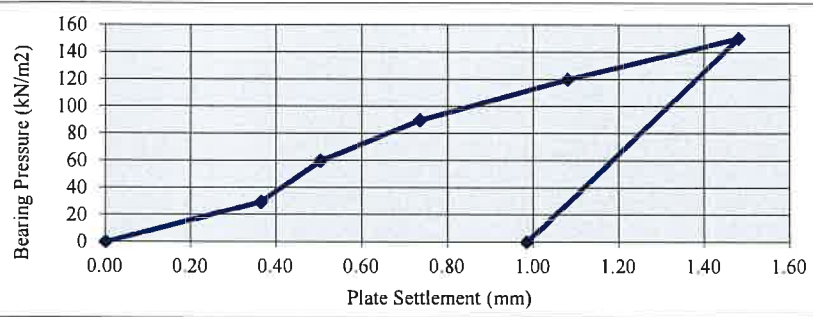


LABORATORY TEST REPORT

DETERMINATION OF PLATE BEARING CAPACITY

Project :	Prime Point Knowsley, Acornfield Industrial Estate	Job No.	5008057
Client :	Construction and Property Solutions	Lab Ref No	5008057/02
	Unit 11A, Olympic Park	Date Tested	28/07/2025
	Warrington	Date Reported	30/07/2025
	WA2 0YL		
Originator :	Bhavesh Patel		

Test Ref :		2	
Test Location:		TOP END BY GREEN CABIN	
Material:	COARSE 6F2 GRANULAR	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	P J
Supplier/Source:	Not Stated	Weather:	OVERCAST
Plate Diameter:	450	Reaction Load:	BACK OF TELEHANDLER



Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
30.0	0.36
60.0	0.50
90.0	0.73
120.0	1.08
150.0	1.48
0.0	0.98
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	150.0
Maximum deformation (mm) :	1.48
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K ₇₆₂ (kN/m2/mm) :	66
Calculated Equivalent CBR (%) :	14
Moisture Content (%) :	Not Required

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.
Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)
Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method
Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

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Luke Williams - Operations Supervisor

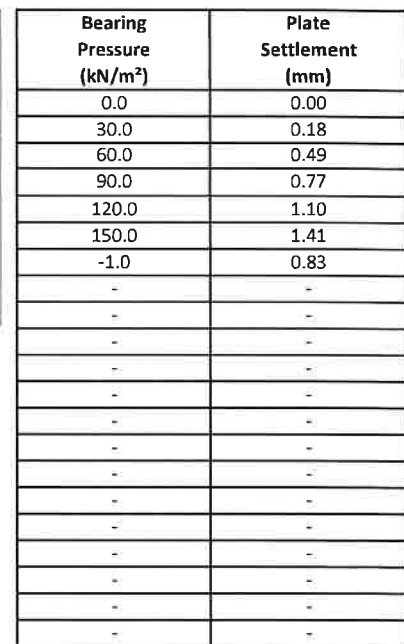


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DETERMINATION OF PLATE BEARING CAPACITY

Test Ref :		3	
Test Location:		LEVEL FRONT OF GREY CABIN	
Material:	6F2 GRANULAR	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	P J
Supplier/Source:	Not Stated	Weather:	OVERCAST
Plate Diameter:	450	Reaction Load:	BACK OF TELEHANDLER



Maximum Applied Pressure (kPa) :	150.0
Maximum deformation (mm) :	1.41
Modulus of subgrade reaction K (kN/m ² /mm) :	Not Required
K ₇₆₂ (kN/m ² /mm) :	67
Calculated Equivalent CBR (%) :	14
Moisture Content (%) :	Not Required

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

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Luke Williams - Operations Supervisor

L. W. H. H.

Warrington Laboratory
Ruby House
40A Hardwich Grange
Warrington
WA1 4RF

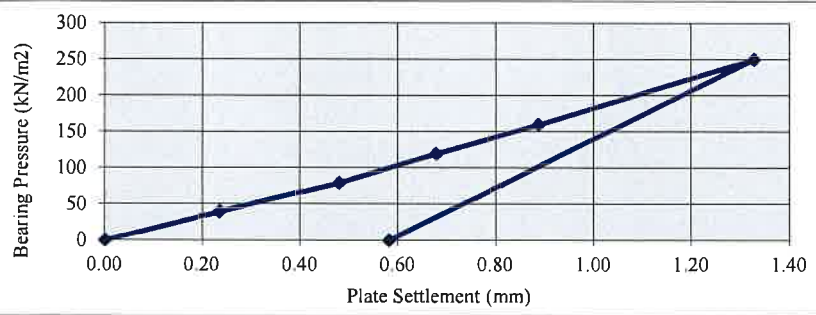


LABORATORY TEST REPORT

DETERMINATION OF PLATE BEARING CAPACITY

Project :	Prime Point Knowsley, Acornfield Industrial Estate	Job No.	5008057
Client :	Construction and Property Solutions	Lab Ref No	5008057/04
	Unit 11A, Olympic Park	Date Tested	28/07/2025
	Warrington	Date Reported	30/07/2025
	WA2 0YL		
Originator :	Bhavesh Patel		

Test Ref :		4	
Test Location:		YARD NEAR	
Material:	WELL TRACKED GRANULAR	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	P J
Supplier/Source:	Not Stated	Weather:	OVERCAST
Plate Diameter:	450	Reaction Load:	BACK OF TELEHANDLER



Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
40.0	0.24
80.0	0.48
120.0	0.68
160.0	0.89
250.0	1.33
0.0	0.58
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	250.0
Maximum deformation (mm) :	1.33
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K ₇₆₂ (kN/m²/mm) :	117
Calculated Equivalent CBR (%) :	37
Moisture Content (%) :	Not Required

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.
Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)
Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method
Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

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CTS Limited Approved Signature
Luke Williams - Operations Supervisor

Warrington Laboratory
Ruby House
40A Hardwich Grange
Warrington
WA1 4RF

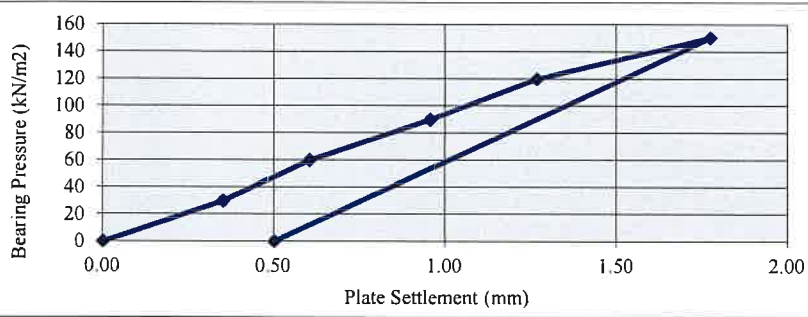


LABORATORY TEST REPORT

DETERMINATION OF PLATE BEARING CAPACITY

Project :	Prime Point Knowsley, Acornfield Industrial Estate	Job No.	5008057
Client :	Construction and Property Solutions	Lab Ref No	5008057/05
	Unit 11A, Olympic Park	Date Tested	28/07/2025
	Warrington	Date Reported	30/07/2025
	WA2 0YL		
Originator :	Bhavesh Patel		

Test Ref :		5	
Test Location:		YARD MIDDLE	
Material:	GRANULAR	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	P J
Supplier/Source:	Not Stated	Weather:	SUNNY
Plate Diameter:	450	Reaction Load:	BACK OF TELEHANDLER



Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
30.0	0.35
60.0	0.60
90.0	0.96
120.0	1.27
150.0	1.77
0.0	0.50
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	150.0
Maximum deformation (mm) :	1.77
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K ₇₆₂ (kN/m²/mm) :	59
Calculated Equivalent CBR (%) :	11
Moisture Content (%) :	Not Required

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.
Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)
Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method
Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

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Luke Williams - Operations Supervisor

Warrington Laboratory
Ruby House
40A Hardwich Grange
Warrington
WA1 4RF

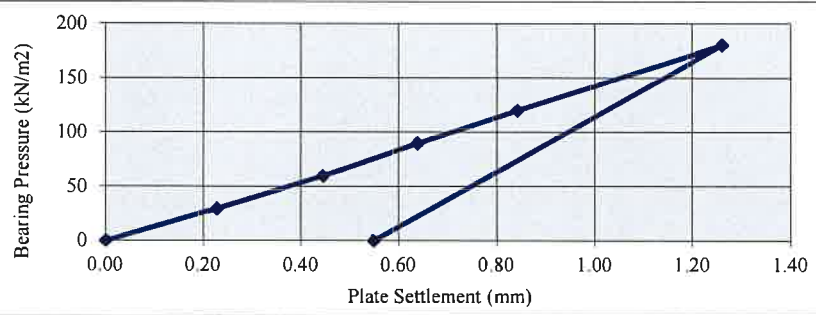


LABORATORY TEST REPORT

DETERMINATION OF PLATE BEARING CAPACITY

Project :	Prime Point Knowsley, Acornfield Industrial Estate	Job No.	5008057
Client :	Construction and Property Solutions	Lab Ref No	5008057/06
	Unit 11A, Olympic Park	Date Tested	28/07/2025
	Warrington	Date Reported	30/07/2025
	WA2 0YL		
Originator :	Bhavesh Patel		

Test Ref :		6	
Test Location:		ENTRANCE MIDDLE	
Material:	GRANULAR	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	P J
Supplier/Source:	Not Stated	Weather:	SUNNY
Plate Diameter:	450	Reaction Load:	BACK OF TELEHANDLER



Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
30.0	0.23
60.0	0.44
90.0	0.64
120.0	0.84
180.0	1.26
0.0	0.55
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	180.0
Maximum deformation (mm) :	1.26
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K ₇₆₂ (kN/m²/mm) :	89
Calculated Equivalent CBR (%) :	23
Moisture Content (%) :	Not Required

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.
Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)
Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method
Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

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Luke Williams - Operations Supervisor



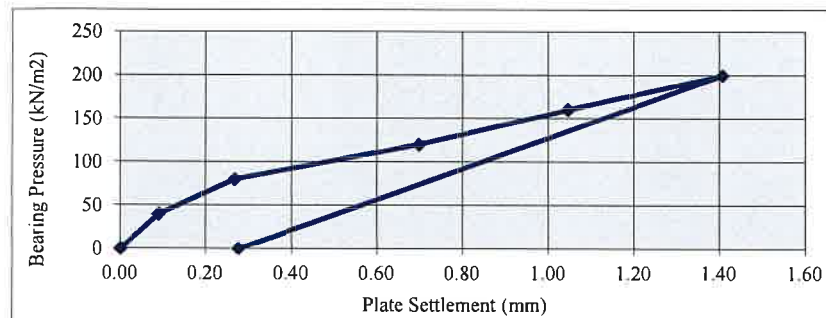
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CONSTRUCTION TESTING SOLUTIONS
A FILMNA GROUP COMPANY



DETERMINATION OF PLATE BEARING CAPACITY

Originator : Bhavesh Patel

Test Ref :		7	
Test Location:		YARD FAR SIDE	
Material:	GRANULAR	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	P J
Supplier/Source:	Not Stated	Weather:	OVERCAST
Plate Diameter:	450	Reaction Load:	BACK OF TELEHANDLER

[illegible]

Maximum Applied Pressure (kPa) :	200.0
Maximum deformation (mm) :	1.41
Modulus of subgrade reaction K (kN/m ² /mm) :	Not Required
K ₇₆₂ (kN/m ² /mm) :	91
Calculated Equivalent CBR (%) :	24
Moisture Content (%) :	Not Required

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

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Luke Williams - Operations Supervisor

L. Williams

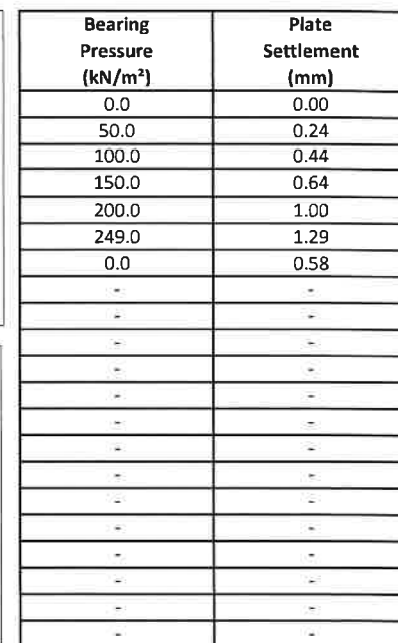


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DETERMINATION OF PLATE BEARING CAPACITY

Test Ref :		8	
Test Location:		ENTRANCE FAR SIDE	
Material:	GRANULAR	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	P J
Supplier/Source:	Not Stated	Weather:	SUNNY
Plate Diameter:	450	Reaction Load:	BACK OF TELEHANDLER



The stated result only relates to the item/location tested, this report shall not be reproduced except in full.
 Values K_{762} , K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)
 Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method
 Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

L. Williams

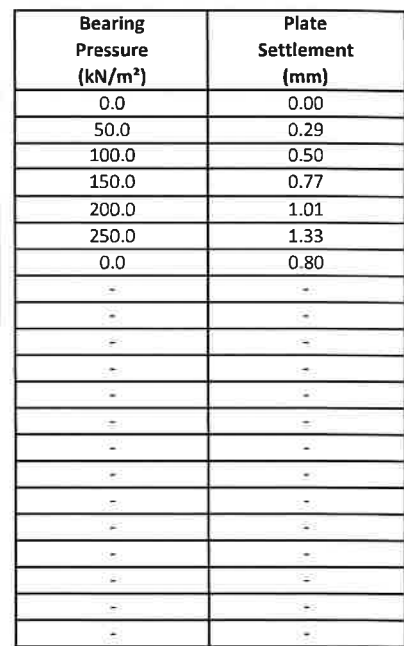


CTS
CONSTRUCTION TESTING SOLUTIONS
A PIELNA GROUP COMPANY



DETERMINATION OF PLATE BEARING CAPACITY

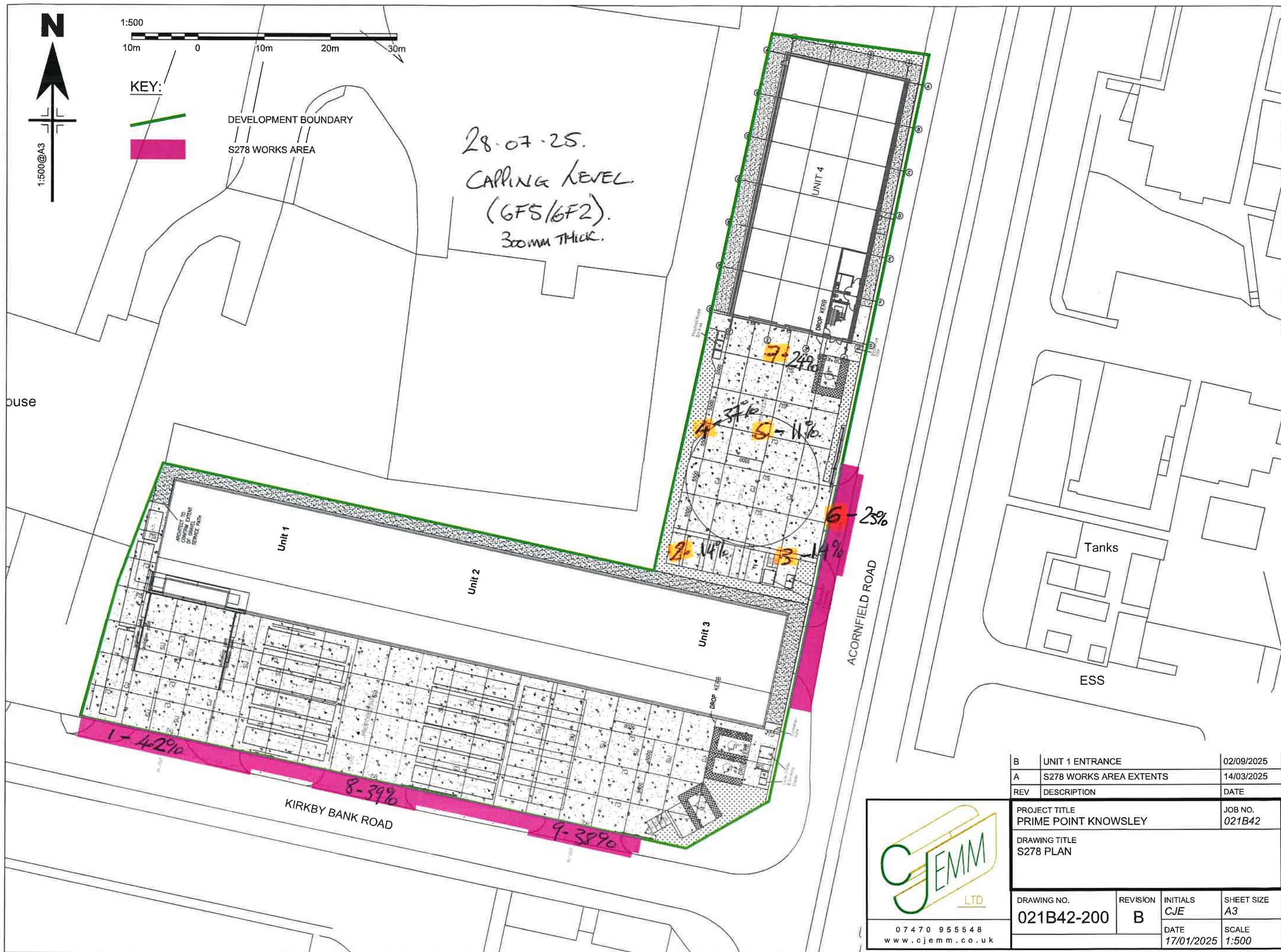
Test Ref :		9	
Test Location:		ENTRANCE NEAR SIDE	
Material:	GRANULAR	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	P J
Supplier/Source:	Not Stated	Weather:	SUNNY
Plate Diameter:	450	Reaction Load:	BACK OF TELEHANDLER



The stated result only relates to the item/location tested, this report shall not be reproduced except in full.
Values K_{762} , K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)
Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method
Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

Page 1 of 1

L. H. H.



B	UNIT 1 ENTRANCE	02/09/2025
A	S278 WORKS AREA EXTENTS	14/03/2025
REV	DESCRIPTION	DATE
PROJECT TITLE PRIME POINT KNOWSLEY		JOB NO. 021B42
DRAWING TITLE S278 PLAN		
DRAWING NO. 021B42-200	REVISION B	INITIALS CJE
		DATE 17/01/2025
		SHEET SIZE A3
		SCALE 1:500

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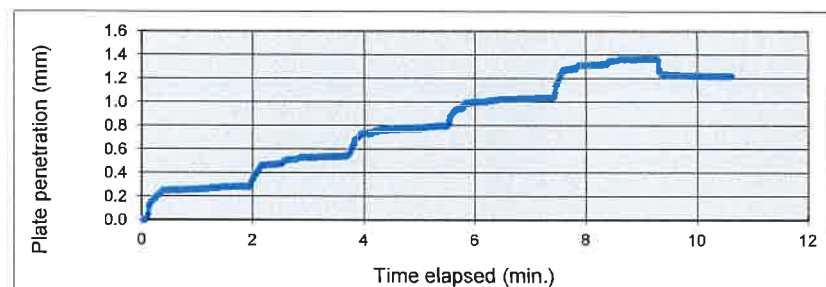
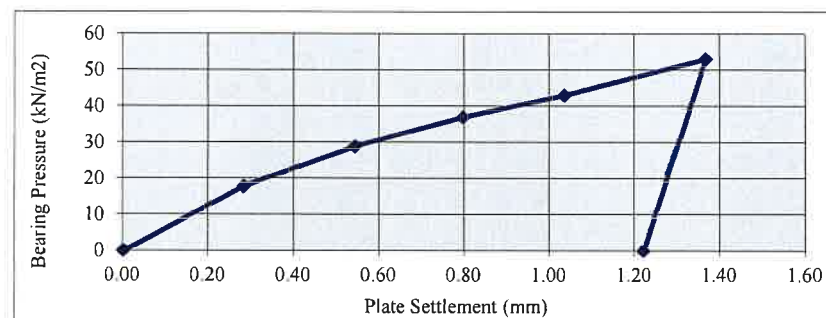


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Project :	Acornfield Industrial Estate	Job No.	5008057
Client :	Construction and Property Solutions	Lab Ref No	5008057/02
	Unit 11A, Olympic Park	Date Tested	24/03/2025
	Warrington	Date Reported	24/03/2025
	WA2 0YL		
Originator :	Robert Fishwick		

Test Ref :		1	
Test Location:		YARD 1 FORMTION	
Material:	SANDY SOIL	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	P STEWART
Supplier/Source:	Not Stated	Weather:	CLEAR
Plate Diameter:	600	Reaction Load:	20 TON

[illegible]

Maximum Applied Pressure (kPa) :	53.0
Maximum deformation (mm) :	1.37
Modulus of subgrade reaction K (kN/m ² /mm) :	Not Required
K ₇₆₂ (kN/m ² /mm) :	32
Calculated Equivalent CBR (%) :	3.9
Moisture Content (%) :	Not Required

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

CTS Limited Approved Signature
Luke Williams - Operations Supervisor

Page 1 of 1

L. H. H.

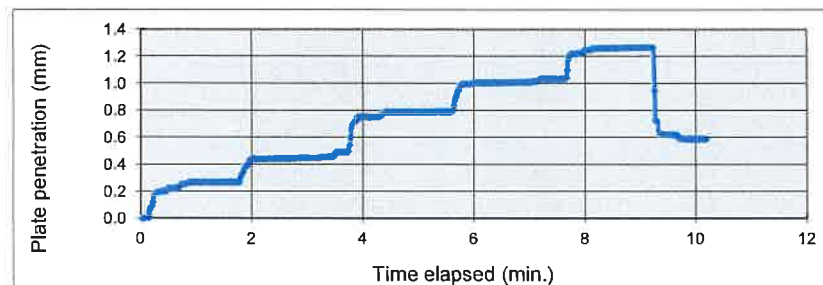
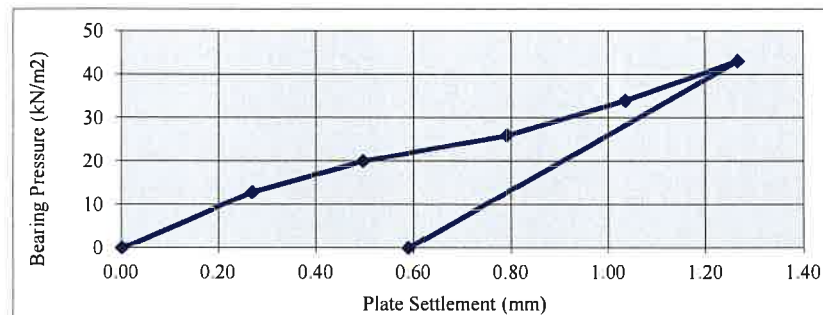


CTS
CONSTRUCTION TESTING SOLUTIONS
A PHENIXA GROUP COMPANY



Project :	Acornfield Industrial Estate	Job No.	5008057
Client :	Construction and Property Solutions	Lab Ref No	5008057/03
	Unit 11A, Olympic Park	Date Tested	24/03/2025
	Warrington	Date Reported	24/03/2025
	WA2 0YL		
Originator :	Robert Fishwick		

Test Ref :		2	
Test Location:		UNIT 4 YARD FORMTION	
Material:	SANDY SOIL	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	P STEWART
Supplier/Source:	Not Stated	Weather:	CLEAR
Plate Diameter:	600	Reaction Load:	20 TON

[illegible]

Maximum Applied Pressure (kPa) :	43.0
Maximum deformation (mm) :	1.27
Modulus of subgrade reaction K (kN/m ² /mm) :	Not Required
K ₇₆₂ (kN/m ² /mm) :	27
Calculated Equivalent CBR (%) :	3.0
Moisture Content (%) :	Not Required

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

CTS Limited Approved Signature
Luke Williams - Operations Supervisor

Page 1 of 1

L. W. H.

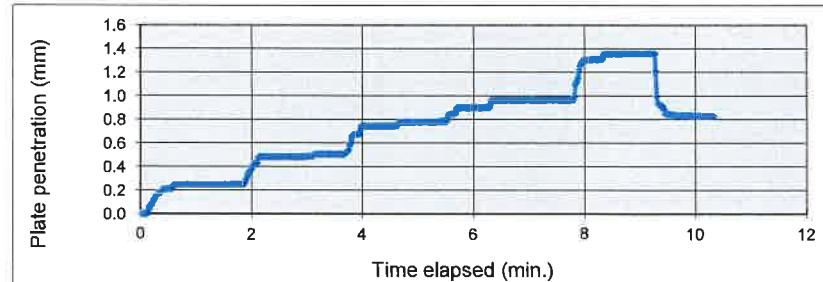
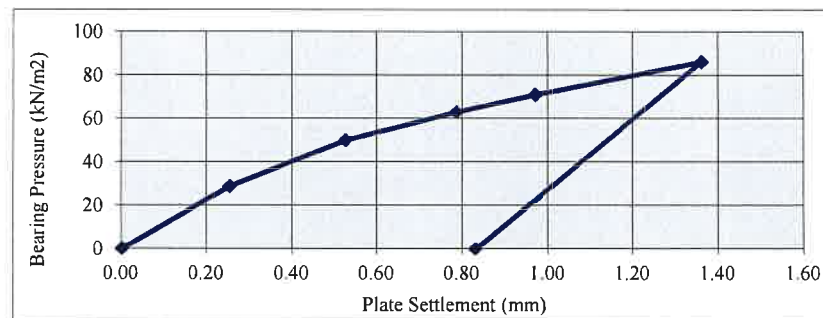


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CONSTRUCTION TESTING SOLUTIONS
A PINNACLE GROUP COMPANY



Project :	Acornfield Industrial Estate	Job No.	5008057
Client :	Construction and Property Solutions	Lab Ref No	5008057/04
	Unit 11A, Olympic Park	Date Tested	24/03/2025
	Warrington	Date Reported	24/03/2025
	WA2 0YL		
Originator :	Robert Fishwick		

Test Ref :		3	
Test Location:		YARD 4 FORMTION	
Material:	SANDY SOIL /GRANULAR	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	P STEWART
Supplier/Source:	Not Stated	Weather:	CLEAR
Plate Diameter:	600	Reaction Load:	20 TON

[illegible]

Maximum Applied Pressure (kPa) :	86.0
Maximum deformation (mm) :	1.36
Modulus of subgrade reaction K (kN/m ² /mm) :	Not Required
K ₇₆₂ (kN/m ² /mm) :	53
Calculated Equivalent CBR (%) :	9.3
Moisture Content (%) :	Not Required

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

CTS Limited Approved Signature
Luke Williams - Operations Supervisor

L. W. H.

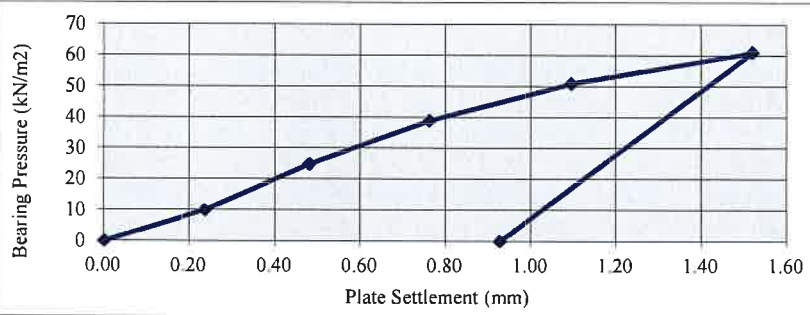
Warrington Laboratory
Ruby House
40A Hardwich Grange
Warrington
WA1 4RF



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Acornfield Industrial Estate	Job No.	5008057
Client :	Construction and Property Solutions	Lab Ref No	5008057/05
	Unit 11A, Olympic Park	Date Tested	24/03/2025
	Warrington	Date Reported	24/03/2025
	WA2 0YL		
Originator :	Robert Fishwick		

Test Ref :		4	
Test Location:		UNIT 3 YARD FORMTION	
Material:	SANDY SOIL	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	P STEWART
Supplier/Source:	Not Stated	Weather:	CLEAR
Plate Diameter:	600	Reaction Load:	20 TON



Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
10.0	0.24
25.0	0.48
39.0	0.76
51.0	1.09
61.0	1.52
0.0	0.93
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	61.0
Maximum deformation (mm) :	1.52
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K ₇₆₂ (kN/m²/mm) :	35
Calculated Equivalent CBR (%) :	4.6
Moisture Content (%) :	Not Required

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.
Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)
Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method
Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

RS74B Issue 2.1 July 24

CTS Limited Approved Signature
Luke Williams - Operations Supervisor

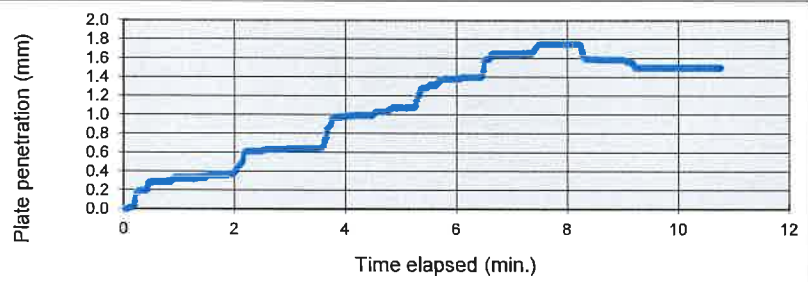
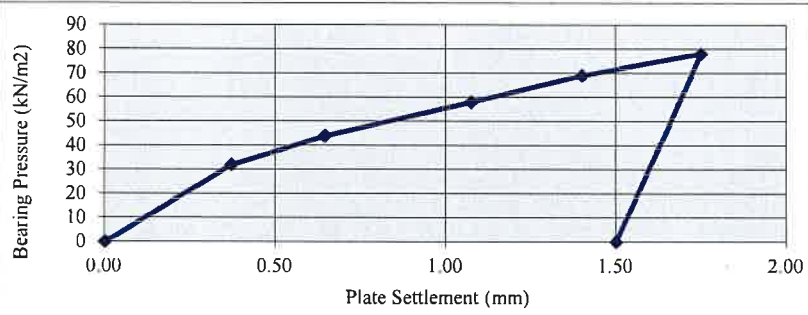
Warrington Laboratory
Ruby House
40A Hardwich Grange
Warrington
WA1 4RF



LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Acornfield Industrial Estate	Job No.	5008057
Client :	Construction and Property Solutions	Lab Ref No	5008057/07
	Unit 11A, Olympic Park	Date Tested	24/03/2025
	Warrington	Date Reported	24/03/2025
	WA2 0YL		
Originator :	Robert Fishwick		

Test Ref :	5		
Test Location:	YARD 2 FORMTION		
Material:	SANDY SOIL /GRANULAR	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	P STEWART
Supplier/Source:	Not Stated	Weather:	CLEAR
Plate Diameter:	600	Reaction Load:	20 TON



Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
32.0	0.37
44.0	0.65
58.0	1.07
69.0	1.40
78.0	1.75
0.0	1.50
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	78.0
Maximum deformation (mm) :	1.75
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K ₇₆₂ (kN/m²/mm) :	41
Calculated Equivalent CBR (%) :	6.0
Moisture Content (%) :	Not Required

The stated result only relates to the item/location tested, this report shall not be reproduced except in full.
Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)
Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method
Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

RS74B Issue 2.1 July 24

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Luke Williams - Operations Supervisor

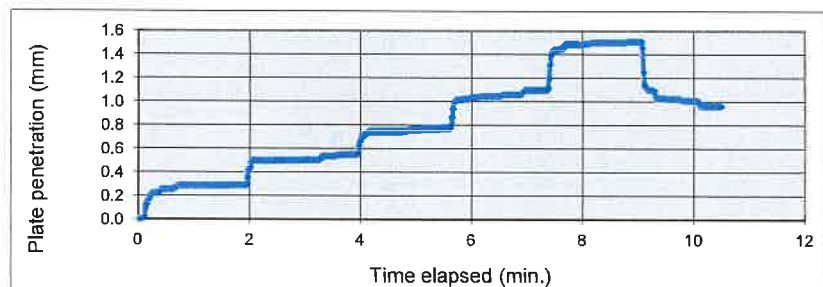
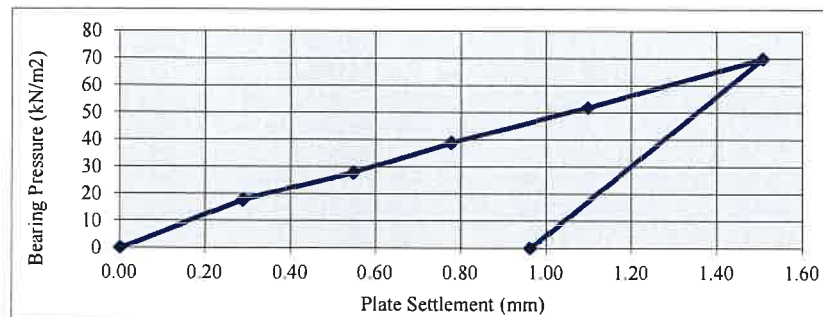


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CONSTRUCTION TESTING SOLUTIONS
A PILLERNA GROUP COMPANY



Project :	Acornfield Industrial Estate	Job No.	5008057
Client :	Construction and Property Solutions	Lab Ref No	5008057/08
	Unit 11A, Olympic Park	Date Tested	24/03/2025
	Warrington	Date Reported	24/03/2025
	WA2 0YL		
Originator :	Robert Fishwick		

Test Ref :		6	
Test Location:		YARD 1 FORMTION	
Material:	SANDY SOIL /GRANULAR	Test Depth (m):	0.00
Visual Description:	Not Stated	Technician:	P STEWART
Supplier/Source:	Not Stated	Weather:	CLEAR
Plate Diameter:	600	Reaction Load:	20 TON

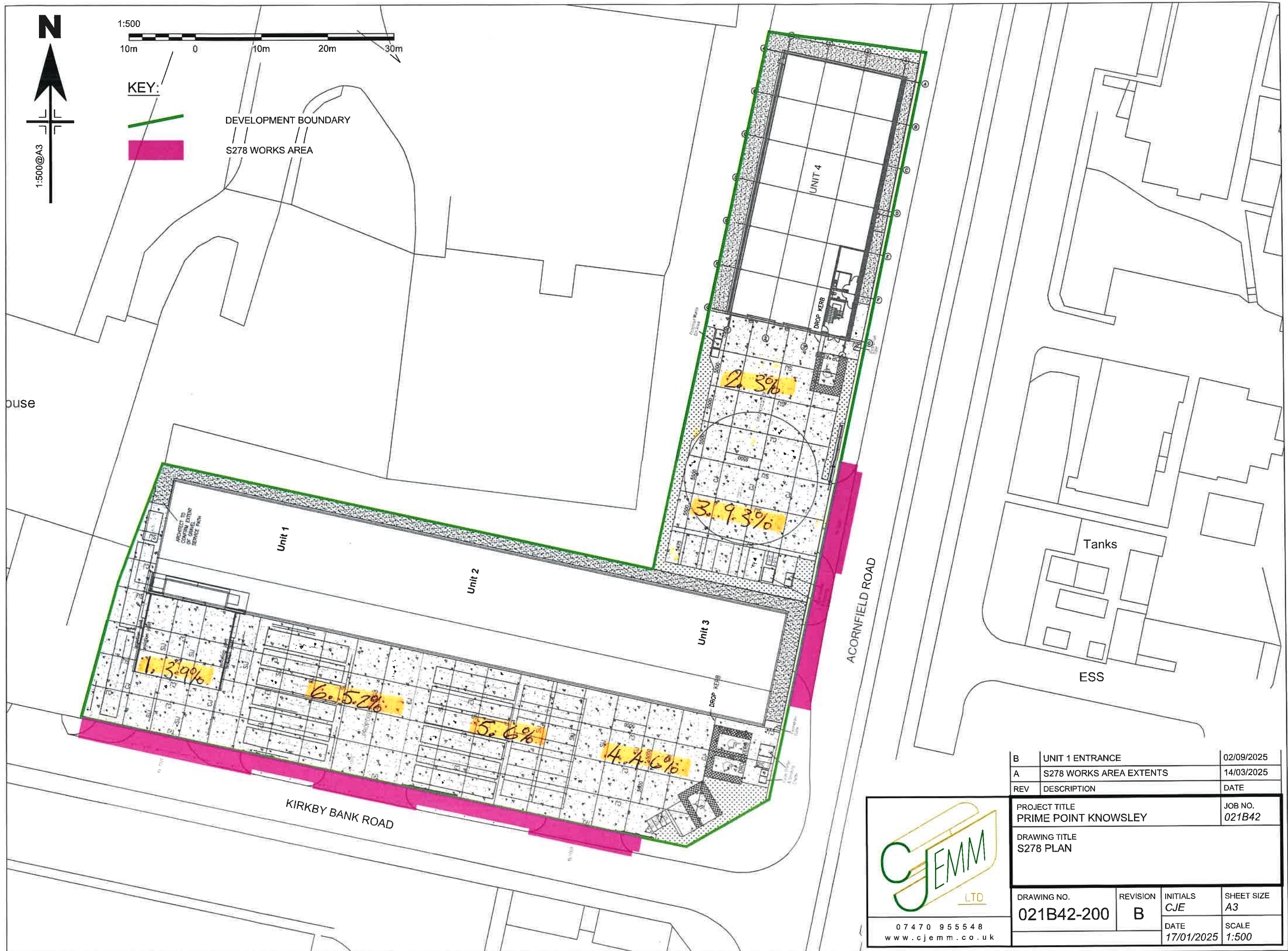
[illegible]

Maximum Applied Pressure (kPa) :	70.0
Maximum deformation (mm) :	1.51
Modulus of subgrade reaction K (kN/m ² /mm) :	Not Required
K ₇₆₂ (kN/m ² /mm) :	38
Calculated Equivalent CBR (%) :	5.2
Moisture Content (%) :	Not Required

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

CTS Limited Approved Signature
Luke Williams - Operations Supervisor

L. W. H.



B	UNIT 1 ENTRANCE	02/09/2025	
A	S278 WORKS AREA EXTENTS	14/03/2025	
REV	DESCRIPTION	DATE	
PROJECT TITLE PRIME POINT KNOWSLEY		JOB NO. 021B42	
DRAWING TITLE S278 PLAN			
DRAWING NO. 021B42-200	REVISION B	INITIALS CJE	SHEET SIZE A3
		DATE 17/01/2025	SCALE 1:500

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