VALIDATION REPORT – AREA 1A

Site:	Cherryfield Drive, Kirkby
References:	18-528-R5-1
Date:	06 August 2026
Client:	Westshield Limited



Taylor Road | Trafford Park | Urmston | Manchester | M41 7JQ
Registered in England | CRN: 08725262
+ 44 (0) 161 707 9612 | e3p.co.uk

QUALITY ASSURANCE

Report references	18-528-R5-1

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WRITTEN BY	QUALIFICATION	POSITION
Luke Calliss	BSc (Hons), FGS	Consultant

REVIEWED BY	QUALIFICATION	POSITION
Mark Wilson	BSc (Hons) Ind, FGS, MIEnvSc, CSci	Principal Consultant

AUTHORISED BY	QUALIFICATION	POSITION
Rebecca Hodnett	BSc (Hons), FGS, MIEnvSc, CEnv	Associate Director

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DRAWINGS LIST – E3P

18-528-001 – Site Location Plan

18-528-002 – Proposed Development Plan

18-528-020 – Ground Gas Zoning Plan

18-528-033 – Post Demolition Exploratory Hole Location Plan – Area 1A

18-528-034 – Topsoil Sampling Location Plan – Areas 1A and 1B

18-528-035 – Hotspot Validation Sampling Plan – Area 1A

18-528-036 – Remediation Sampling Plan – Chemical

18-528-037 – Remediation Sampling Plan – Geotechnical

18-528-039 – NDG Testing Location Plan – Area 1A

18-528-043 – Validation Reporting Phasing Plan

DRAWINGS LIST – COOPERS

7887/Fd/01 to 04 – Foundation Plan

DRAWINGS LIST – WESTSHIELD

Area 1A + 1B – CBR Testing Location Plan

Area 1A + 1B – Reduce Level Dig Survey

Area 1A + 1B – As Built Survey – Formation

1. INTRODUCTION

1.1. BACKGROUND

This report details the remediation and enabling works operations that were undertaken by Westshield under the supervision of E3P to facilitate the preparation of the low-rise residential development at the site known as Cherryfield Drive, a parcel of land located to the south of Cherryfield Drive, Kirkby, Liverpool, L32 8RX, herein referred to as "the site".

This report has been prepared to document the completion of all necessary land remediation and enabling works within Area 1A of the site (Plots B101-B114, and B128-B142), 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 remaining areas of the site will be reported in future validation reports.

Westshield appointed E3P on behalf of Barrett and David Wilson Homes (BDW Trading) as an independent Geoenvironmental Consultant for the site remediation, preparation/enabling and validation works and the subsequent production of suitably detailed reports to ensure the satisfaction of the relevant planning conditions and geotechnical engineering requirements for Building Control, warranty providers and the future adoption of infrastructure by the Highways Authority and statutory service providers.

1.2. SITE DETAILS

Site Address	Cherryfield Drive, Kirkby, Liverpool, L32 8RX
National Grid Reference	E 341100, N 398150
Planning Reference	22.51 Ha

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

A site location plan is presented as Drawing 18-7528-001 in APPENDIX III.

1.3. PROPOSED DEVELOPMENT

Barrett and David Wilson Homes intend to construct a low-rise residential development of circa 807 plots with associated gardens, estate roads and infrastructure.

The proposed development plan is presented as Drawing 18-528-002 in APPENDIX III, with a snapshot presented in Figure 1.1.

The location of Area 1A is presented in the Validation Reporting Phasing Plan (18-528-043) in APPENDIX III, with a snapshot presented in Figure 1.2.

Figure 1.1 Proposed Development Plan

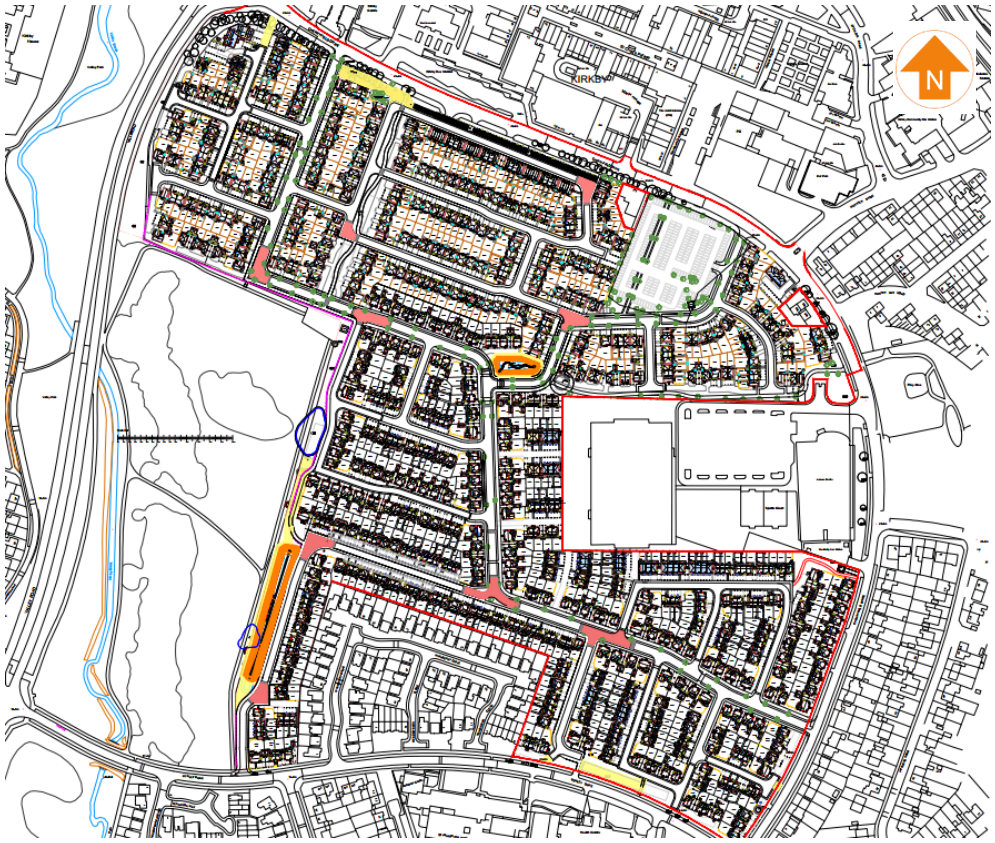
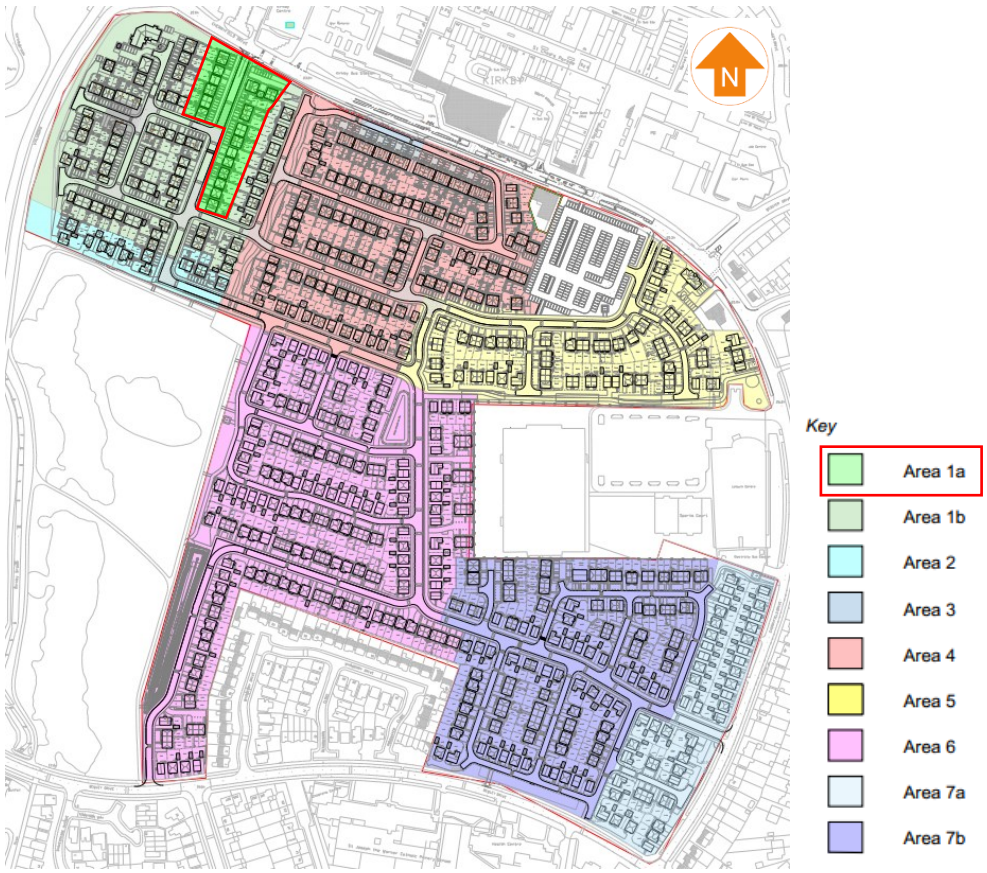


Figure 1.2 Validation Reporting Phasing Plan



1.4. SUMMARY OF PARTIES INVOLVED

FUNCTION/INTEREST	NAME OF PARTY
Local Planning Authority	Knowsley Metropolitan Borough Council (KMBC)
Developer	BDW Trading
Geotechnical Consultant	E3P
Main Contractor	BDW Trading
Remediation/Enabling Works Contractor	Westshield Limited
Human Health Regulator	KMBC
Controlled Waters and Waste Regulator	Environment Agency (EA)
Highways Adoption Authority	KMBC
Civil Engineer	TBC
Infrastructure Adoptions Authorities	KMBC
Minerals Regulation Authority	KMBC
Building Control Inspector	LABC
Warranty Provider	NHBC

1.5. PREVIOUS WORKS

E3P have been provided with previous reports prepared for the site. E3P is of the understanding that the client does not have reliance on these previous reports.

Table 1.1 Summary of Previous Reports

Author	Title	Reference	Client	Date
Clancy Consulting	Preliminary Geoenvironmental Appraisal Report for Phase 2 Site, Cherryfield Drive, Knowsley	Ref: 10/1519/001	Knowsley Metropolitan Borough Council	May 2020
	Geo-Environmental Appraisal Report for Knowsley Community College, Liverpool	Ref: 10/1533/001	Knowsley Metropolitan Borough Council	July 2020
Resource & Environmental Consultants Ltd	Geoenvironmental Site Assessment	Ref: 45759Fp1r0	Knowsley Metropolitan Borough Council	September 2014
ALM Consult Limited	Interpretative Report	Ref: 30090/11	Knowsley Metropolitan Borough Council	September 2015
	Hazardous Gas Risk Assessment	Ref: 30090/11/2	Knowsley Metropolitan Borough Council	December 2015
ESG	Factual Report on Ground Investigation	Ref: F5013-15	2020 Knowsley Limited	February 2016
Ian Farmer Associates	Factual Report on Ground Investigation	Ref: 41989	St Modwen Developments Limited	March 2017
RPS	Due Diligence Information for Land Development	-	St Modwen Developments Limited	June 2017

Author	Title	Reference	Client	Date
Atkins	Phase 1 Geo-Environmental Desk Study	Ref: 5145660	St. Modwen (Kirkby 2) Development Ltd	December 2016
Buro Happold	Ground Engineering Site Appraisal	Ref: 021706	-	December 2006
Buro Happold	Geoenvironmental and Geotechnical Interpretative Report: Phase 1 Ground Investigation (GDO 205 Landfill)	Ref: 021706	-	November 2007
Cundall	Geotechnical Due Diligence Brief	Ref: 1028732.SPC.GL.001	Barratt Developments Plc	June 2021

In addition to the above, E3P has completed the following geoenvironmental assessments for the site:

- E3P – Phase I & II Geoenvironmental Site Assessment. Ref: Report 15-280-R1-6, dated November 2024, Prepared for Barratt and David Wilson Homes;
- E3P – Ground Gas Addendum Report. Ref: Report 15-280-R3-2, dated November 2025, Prepared for Barratt and David Wilson Homes;
- E3P – Remediation and Enabling Works Strategy. Ref: Report 15-280-R2-7, dated November 2025, Prepared for Barratt and David Wilson Homes;
- E3P – Asbestos in Soils Risk Assessment. Ref: 15-280-R4-1, dated July 2025. Prepared for Barratt and David Wilson Homes.
- E3P – Water Pipeline Risk Assessment. Ref: 15-280-R5-1, dated March 2026. Prepared for Barratt and David Wilson Homes.
- E3P – Gas Cut-Off Barrier Specification. Ref: 15-280-L4-3, dated June 2026. Prepared for Barratt and David Wilson Homes.
- E3P – Supplementary Site Investigation. Ref: 15-280-L5-1, dated April 2026. Prepared for Barratt and David Wilson Homes.
- E3P – Geotechnical Design Report and Earthworks Specification. Ref: 15-280-R6-1, dated June 2026. Prepared for Barratt and David Wilson Homes.
- E3P – Technical Statement of Design – Gas Cut-Off Barrier. Ref: 15-280-L7-1, dated June 2026. Prepared for Barratt and David Wilson Homes.
- E3P – CL:AIRE Materials Management Plan. Ref: 18-528-R1-1, dated January 2026. Prepared for Westshield Limited.
- E3P – Waste Management and Recovery Strategy. Ref: 18-528-R2-1, dated February 2026. Prepared for Westshield Limited.
- E3P - Landfill Boundary Ground Investigation. Ref: 18-528-L1-1, dated June 2026. Prepared for Westshield Limited.

1.6. REGULATORY CORRESPONDENCE

BDW Trading has consulted with the appropriate regulatory bodies throughout.

The site was granted planning permission on the 14th May 2024 with conditions for the demolition of existing buildings and the construction of 800 dwellings; with associated infrastructure, landscaping, and access under planning application 24/00068/FUL.

The planning application 24/00068/FUL, dated 14th May 2024, also confirmed the acceptance of the Remediation and Enabling Works Strategy by KMBC.

1.7. SUMMARY OF REMEDIATION, ENABLING WORKS AND GEOTECHNICAL ENGINEERING WORKS

The proposed remediation activities were detailed within the E3P Remediation and Enabling Works Strategy (15-280-R2-7; dated November 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 within Area 1A of the site (Plots B101-B114, and B128-B142), 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 – Further Assessment of Deep Made Ground
- RE-2 – Watching Brief Beneath Current Buildings On-Site
- RE-3 – Pre-commencement Regulatory Compliance
- RE-4 – Environment and Nuisance Control
- RE-5 – Risk to Infrastructure
- RE-6 – Identification, Isolation and Treatment of Invasive Species.
- RE-7 – Site Clearance Operations
- RE-8 – Recovery of Natural Topsoil
- RE-9 – Delineation, Excavation and Treatment of Identified Asbestos Impact
- RE-10 - Delineation, Excavation and Treatment and Disposal of Naphthalene and Dibutyl phthalate
- RE-11 – Excavation, Delineation & Validation of Mercury Hotspots
- RE-12 – Delineation and Validation of TPH Impacted Soils
- RE-13 – Excavation, Breaking and Processing of All Above- and Below-Ground Structures
- RE-14 – Delineation, Excavation and Treatment of Infilled Historical & Present Ponds

- RE-15 – Removal of Deleterious Materials
- RE-16 – Investigation and Removal of Historic USTs
- RE-17 – Electricity Substation
- RE-18 – Historically Deposited Ash Fill
- RE-19 – Importation of Bulk Fill
- RE-20 – Post Remediation Ground Gas Assessment
- RE-21 – Preparation of Garden for Cover System
- RE-22 – Provision of Subsoil
- RE-23 – Provision of Topsoil
- RE-24 – Independent Validation: Watching Brief
- RE-25 – Waste Soils Surplus to Requirements
- RE-26 – Validation of Materials for Potable Water Supply Infrastructure
- RE-27 – Remedial Verification Report

The relevant Geotechnical Engineering Works elements to Area 1A are summarised below:

- GE-1 – Pre Commencement Remediation Contractor Requirements
- GE-2 – Further Assessment of Deep Made Ground
- GE-3 – Excavation, Breaking and Processing of All Above and Below Ground Structures
- GE-4 – Cut- and-Filling of Made Ground to Development Levels
- GE-5 – Placement and Compaction of Upfill Material to Facilitate Ground Improvement by VSC
- GE-6 – Construction of Temporary Working Platform
- GE-7 – Replacement of Materials, Geotechnical Engineering Requirements
- GE-8 – Preparation of Ground for Vibro Stone Columns within Tree Influence
- GE-9 – Deep Fill Assessment
- GE-10 – Delineation, Excavation and Treatment of Infilled Historical & Present Ponds
- GE-11 – Removal of Potential Highwalls Beneath Plot Footprints

1.8. BUILD PHASE MITIGATION AND MANAGEMENT

A second phase of works will be required to ensure the proposed development is constructed in a manner that incorporates the required mitigation measures to ensure the development is compliant with UK Building Regulations and the Local Authority Planning requirements.

These obligations are specified in more detail within Section 4 of this report, and the Gas Protection Design Report (to be issued under a separate cover).

2. REMEDIATION AND SITE-ENABLING WORKS VALIDATION

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 within Area 1A commenced in January 2026 and were completed by June 2026.

2.1. RE-1 – FURTHER ASSESSMENT OF DEEP MADE GROUND

Date of Works Undertaken	N/A
Overview of Works	**Background** Further investigation is required to delineate and identify the full depth of the Made Ground in the central sector of the site to address geotechnical uncertainties and to allow the foundation solution to be finalised. **Overview of Works** N/A – the deep Made Ground is located in Area 6 (central sector) and will be reported under a separate cover.

2.2. RE-2 – WATCHING BRIEF BENEATH CURRENT BUILDINGS ON-SITE

Date of Works Undertaken	June 2026
Photographs	Plate 1
Chemical Testing	i2 Report: 26-030374 (TP508)
Overview of Works	**Background** When access is available in the north-west of the site, following demolition of existing buildings, a watching brief is recommended. **Overview of Works** Further investigation beneath former structures on-site within Area 1A included the former security gatehouse in the north of the sector. Investigations comprised of a mechanically excavated trial pit (TP508), advanced on the 4th June 2026, where a chemical sample was obtained within the Made Ground at 0.10 m bgl.

	A Post Demolition Exploratory Hole Location Plan is presented as Drawing 18-528-033 In APPENDIX III. The sample was submitted for chemical analysis, inclusive of heavy metals, banded PAHs, speciated TPHs, and asbestos identification. Results of the chemical analysis identified no exceedances of the relevant GACs; therefore, the Made Ground material was deemed suitable for re-use, and was subsequently used as upfill material beneath hardstanding within Area 1A. Results of the chemical analysis are presented in APPENDIX VI.

2.3. RE-3 – PRE-COMMENCEMENT REGULATORY COMPLIANCE

Date of Works Undertaken	Prior to commencement
Overview of Works	The site was granted planning permission on the 14th May 2024 with conditions for the demolition of existing buildings and the construction of 800 dwellings; with associated infrastructure, landscaping, and access under planning application 24/00068/FUL. The planning application 24/00068/FUL, dated 14th May 2024, also confirmed the acceptance of the Remediation and Enabling Works Strategy by KMBC. Westshield registered for a LAPC Part B License under the reference LAPPC16-02-v1, to aid their completion of the remedial works. E3P has prepared a CL:AIRE DoW CoP MMP for the re-use of materials on Site of Origin; Ref: 18-528-R1-2, dated July 2026. QP Declaration Ref: Cherryfield Drive, Kirkby - 2026-07-13 14:59:48.

2.4. RE-4 – ENVIRONMENT AND NUISANCE CONTROL

Date of Works Undertaken	Throughout
Photographs	Plates 2-4
Overview of Works	During remediation, works were restricted to between 8.00 am and 5.30 pm. Fencing was erected around the site boundary with appropriate health and safety signage. A road sweeper was present to keep the access roads, Cherryfield Drive, and Bewley Drive clean and clear of debris during the importation of materials to the site. Dust monitoring was completed during the remediation and enabling works; monitoring records are available from Westshield on request.

2.5. RE-5 – RISK TO INFRASTRUCTURE

Date of Works Undertaken	Throughout
Photographs	Plate 5
Overview of Works	Background Site works should be completed in a manner that ensures no risk of disturbance to the adjacent infrastructure. Overview of Works Works were conducted in such a way that the surrounding infrastructure, including roads and buildings, were not impacted during the duration of the works.

2.6. RE-6 – IDENTIFICATION, ISOLATION AND TREATMENT OF INVASIVE SPECIES

Date of Works Undertaken	N/A
Overview of Works	N/A – no invasive species were identified within Area 1A during the duration of the works.

2.7. RE-7 – SITE CLEARANCE OPERATIONS

Date of Works Undertaken	Throughout
Photographs	Plates 6-9
Overview of Works	**Background** Post-demolition general site clearance and provision of welfare, offices and site security are to be determined as per the contract requirements. **Overview of Works** Welfare, offices, and site security were provided by Westshield throughout the works. Within Area 1A, an asphalt access road entered from the north, off of Cherryfield Drive. Two asphalt car parks were present in the north of the area, with one marginally encroaching from the northwest. A former gatehouse was also present along the northern boundary.

The asphalt hardstanding road entering the site from the north, the asphalt hardstanding car park encroaching from the northwest (from Area 1B), and the asphalt hardstanding car park that occupied the majority of the north of Area 1A were removed by Westshield between March-April 2026, with the material crushed and screened for re-use as temporary working platforms and haulage roads.

The former gatehouse situated along the northern boundary was demolished by Westshield in May 2026. A watching brief and further investigation were conducted beneath the former gatehouse upon completion of the demolition works; these works are summarised in Section 2.2.

Area 1A underwent a turnover of Made Ground down to natural stratum throughout May-June 2026, with relic services and concrete obstructions encountered. These obstructions were removed and stockpiled within the area before being crushed and screened for re-use as temporary working platform and haulage roads.

Trees were removed by a specialist contractor, shredded and subsequently disposed of off-site at a licensed waste facility.

Throughout the enabling works, scrap metal and general waste were separated from demolition materials and placed into allocated skips for subsequent disposal off-site at a licensed waste facility.

2.8. RE-8 – RECOVERY OF NATURAL TOPSOIL

Date of Works Undertaken	January-April 2026
Photographs	Plate 10
Chemical Testing	i2 Report: 26-007063 (TS-Ba-101-111)
Overview of Works	**Background** The site investigation report and subsequent surveys identified limited areas of the subject site where natural organic soils (topsoil) are present at the near surface. **Overview of Works** The initial topsoil strip was completed within the wider Area 1A and 1B in January 2026, with the material segregated and temporarily stockpiled in windrows across Areas 1A and 1B. A total volume of 4,874 m^3 of topsoil was recovered from Areas 1A and 1B. Chemical validation samples were taken from topsoil stockpiles throughout Areas 1A and 1B on 10th February 2026. A Topsoil Sampling Location Plan is presented as Drawing 18-528-034 in APPENDIX III. Results of the chemical analysis identified exceedances for heavy metals, naphthalene, and non-volatile PAHs within all eleven samples submitted for analysis. As such, these materials were deemed unsuitable for re-use on-site and required exporting for off-site disposal at a licenced waste facility. Results of the chemical analysis are presented in APPENDIX VI.

	The topsoil was subsequently removed by Westshield for off-site disposal at a licenced waste facility on the week commencing 23rd March 2026. Waste tickets, weekly tracking records and waste consignment notes are available upon request from Westshield.

2.9. RE-9 - DELINEATION, EXCAVATION AND TREATMENT OF IDENTIFIED ASBESTOS IMPACT

Date of Works Undertaken	N/A
Overview of Works	**Background** Detectable asbestos fibres and suspected asbestos sheeting (one location) have been identified in discreet locations; however, due to the nature and age of the filled material, it must be assumed that trace fibres are present throughout the Made Ground. **Overview of Works** N/A – no asbestos hotspots or visual ACMs were identified within Area 1A. Asbestos-related validation works will be reported under a separate cover.

2.10. RE-10 - DELINEATION, EXCAVATION, TREATMENT AND DISPOSAL OF NAPHTHALENE AND DIBUTYL PHTHALATE

Date of Works Undertaken	January 2026
Photographs	Plate 11
Chemical Testing	I2 Report: 26-001859 (HS101N, E, S, W, B & A)
Overview of Works	**Background** Elevated Naphthalene has been identified within TP1101 at 0.90 m and elevated Dibutyl phthalate within WS111 at 2.50 m. It is considered that this material represents an unacceptable risk associated with volatilisation to indoor air. The Dibutyl phthalate hotspot WS111 at 2.50 m (HS102) was located in Area 6 (central sector) and will be reported under a separate cover.

Overview of Works

A hotspot removal excavation was undertaken on the 14th January 2026 at the location of TP1101 (HS101) covering approximately 3.00 m by 3.00 m to a depth of 2.00 m bgl. Validation samples were obtained from the excavation sides (0.90 m bgl), the base of the excavation (2.00 m bgl), and the arisings, with samples submitted for further chemical analysis. Results of the chemical analysis did not identify any elevated concentrations of naphthalene, and therefore, no further assessment was required within TP1101 (HS101) in regard to naphthalene.

A Hotspot Validation Sampling Plan denoting the location of chemical samples is presented as Drawing 18-528-035 in APPENDIX III.

Results of the chemical analysis are presented in APPENDIX VI.

Approximately 18 m^3 of arisings from this hotspot were segregated and temporarily stockpiled on the hardstanding car park in the northwest sector (Area 1B) before being removed off-site for disposal at a licensed waste management facility. Waste tickets, weekly tracking records and waste consignment notes are available upon request from Westshield.

All hotspot excavations were subsequently backfilled with chemically and geotechnically suitable material, in line with the E3P geotechnical engineering and performance specification (Ref: 15-280-R2-7, Nov 2025, Section 6).

2.11. RE-11 - EXCAVATION, DELINEATION, & VALIDATION OF MERCURY HOTSPOTS

Date of Works Undertaken	N/A
Overview of Works	**Background** Elevated concentrations of mercury have been identified within TP118 at 0.50 m and TP141 at 1.00 m. This presents a potential volatilisation to indoor air risk and are considered to be localised hotspots within this Made Ground strata. **Overview of Works** N/A - TP118 at 0.50 m (HS117) and TP141 at 1.00 m (HS103) are located in Area 6 (central sector) and Area 5 (eastern sector) respectively, and will be reported under a separate cover.

2.12. RE-12 - DELINEATION, & VALIDATION OF TPH IMPACTED SOILS

Date of Works Undertaken	N/A
Overview of Works	**Background** Elevated concentrations of heavy-end Total Petroleum Hydrocarbons (C21 – C35) have been identified at concentrations exceeding the GAC within TP202 at 1.00 m bgl towards the south west of the north western parcel.

It is recommended that a watching brief is completed during earthworks in this location, with delineation and further sampling to determine the extent of impact present at this location.

Overview of Works

N/A – TP202 at 1.00 m bgl (HS105) was located in Area 2 (southwest part of northwestern parcel), and will be reported under a separate cover.

2.13. RE-13 – EXCAVATION, BREAKING AND PROCESSING OF ALL ABOVE- AND BELOW-GROUND STRUCTURES

Date of Works Undertaken	**May-June 2026**
Photographs	Plate 12
Chemical Testing	I2 Report: 26-011256 (SW-6F2-101) I2 Report: 26-021744 (SW-6F2-102 to SW-6F2-104)
Geotechnical Testing	Murray Rix Report: 26002-109 (SW-6F2-101) Murray Rix Report: 26002-173 (SW-6F2-102 to SW-6F2-104)
Overview of Works	Area 1A underwent a turnover of Made Ground throughout May-June 2026, with relic services and concrete obstructions encountered. All oversized materials were excavated using controlled mechanical techniques under the strict control of the Westshield site manager and under part-time supervision of E3P. Oversized brick and concrete were processed to be utilised within the new proposed development. Any steel reinforcements present within the concrete hardstanding, or waste in the form of wood, scrap metal and plastic were removed prior to the crushing of the demolition material stockpiles and were placed into allocated skips for subsequent disposal. As of 30th June 2026, approximately 4,000 m^3 of 6F2 has been generated on-site to be used as upfill within roads and temporary working platforms. Four chemical samples were obtained of site-won crush to meet the sampling frequency outlined in the Remediation and Enabling Works Strategy. Results of the chemical analysis identified minor exceedances for non-volatile PAHs (benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, and dibenzo(a,h)anthracene) within two samples (SW-6F2-101 and SW-6F2-103) when compared to the relevant GACs (Hardstanding and >600 mm of cover), with primary exposure pathways related to dermal contact and ingestion. Therefore, these materials were placed beneath hardstanding in order to break the pathway to future end users. A Remediation Sample Plan denoting the location of chemical samples is presented as Drawing 18-528-036 in APPENDIX III.

	Results of the chemical analysis are presented in APPENDIX VI. Grading certificates classified the site-won fill material as 6F2, with materials been subsequently engineered in line with the E3P geotechnical engineering and performance specification (Ref: 15-280-R2-7, Nov 2025, Section 6). A Remediation Sample Plan denoting the location of geotechnical samples is presented as Drawing 18-528-037 in APPENDIX III. Results of the geotechnical analysis are presented in APPENDIX VII.

2.14. RE-14 – DELINEATION, EXCAVATION, AND TREATMENT OF INFILLED HISTORICAL & PRESENT PONDS

Date of Works Undertaken	N/A
Overview of Works	**Background** Prior to the commencement of the main earthworks (where possible), all known former infilled ponds and a pond identified at the northwest should be clearly identified and demarked and investigated to assess the nature of materials and the extent of any deleterious elements. **Overview of Works** N/A – no former infilled or present ponds were identified within Area 1A.

2.15. RE-15 – REMOVAL OF DELETERIOUS MATERIAL

Date of Works Undertaken	N/A
Overview of Works	N/A - no deleterious materials were identified within Area 1A.

2.16. RE-16 – INVESTIGATION AND REMOVAL OF HISTORIC USTS

Date of Works Undertaken	N/A
Overview of Works	**Background** During the remediation and enabling works, further investigation within the areas of historically mapped tanks will be required to confirm the presence and the exact location of any underground storage tanks (USTs). It is understood one tank has been filled with concrete with six filled with RG22 hard foam.

	Overview of Works N/A – the former petrol station and USTs were located within Area 3 (northern sector), and will be reported under a separate cover.

2.17. RE-17 – ELECTRCITIY SUBSTATION

Date of Works Undertaken	N/A
Overview of Works	**Background** Following the demolition of the current Electricity Substations and when access allows, soils in the vicinity of the electricity substations should undergo chemical analysis for PCBs. Should PCBs be identified, the Local Authority will be notified, and a remedial plan will be agreed prior to any works carried out in this area. **Overview of Works** N/A – no electricity substations are located within Area 1A. The current electricity substations are located within Area 4 (northern sector) and Area 5 (eastern sector), and will be reported under a separate cover.

2.18. RE-18 – HISTORICALLY DEPOSITED ASH FILL

Date of Works Undertaken	N/A
Overview of Works	**Background** The review of desk study information and site investigation has identified areas of the central and northern sectors of the site to have been backfilled in the 1950s and 1960s with incinerated ash deposits. This material needs to be lifted and sorted with unsuitable and deleterious elements to be segregated and removed. The material will be subject to analysis and testing to confirm the engineering type in accordance with the geotechnical specification. **Overview of Works** N/A – no historically deposited ash fill deposits have been encountered within Area 1A. These deposits have been encountered within Area 4 (northern sector), Area 5 (eastern sector) and Area 6 (central sector), and will be reported under a separate cover.

2.19. RE-19 – IMPORTATION OF BULK FILL

Date of Works Undertaken	January-June 2026
Photographs	Plates 13-15
Chemical Testing	I2 Report: 26-002258 (6F2-101, Killshaw) I2 Report: 26-002807 (6F2-102, Cheshire Soils) I2 Report: 26-004801 (6F2-103 to 6F2-105, SED, Maher, Kirkby Skips) I2 Report: 26-005642 (6F2-106, Pheonix) I2 Report: 26-009444 (6F2-107, Mainsway) I2 Report: 26-011267 (6F2-108 to 6F2-109, Mainsway) I2 Report: 26-011873 (6F2-110 to 6F2-111, Fox Brothers and URNW) I2 Report: 26-018701 (6F2-112 to 6F2-114, Maher)
Geotechnical Testing	Murray Rix Report: 26002-56 (6F2-101, Killshaw) Murray Rix Report: 26002-67 (6F2-102, Cheshire Soils) Murray Rix Report: 26002-68 (6F2-103 to 6F2-105, SED, Maher, Kirkby Skips) Murray Rix Report: 26002-69 (6F2-106, Pheonix) Murray Rix Report: 26002-114 (6F2-107, Mainsway) Murray Rix Report: 26002-128 (6F2-108 to 6F2-109, Mainsway) Murray Rix Report: 26002-129 (6F2-110 to 6F2-111, Fox Brothers and URNW) Murray Rix Report: 26002-148 (6F2-112 to 6F2-114, Maher)
Overview of Works	**Background** Where there is a net shortfall of material required to achieve the proposed ground levels, it will be necessary to import natural inert soils and aggregate as per the engineering requirements. Imported material must be certified as suitable for use in strict accordance with the E3P chemical and geotechnical performance criteria. **Overview of Works** Natural inert soils were not required to be imported onto the site. Imported fill was used on-site in the form of 6F2 material from hauliers Killshaw, Cheshire Soils, SED, Maher, Kirkby Skips, Pheonix, Mainsway, Fox Brothers, and URNW. As of 30th June 2026, approximately 11,653 m3 of 6F2 has been imported to the site to be used as upfill within roads and temporary working platforms. Fourteen chemical samples were obtained from imported crush to meet the sampling frequency outlined in the Remediation and Enabling Works Strategy.

Results of the chemical analysis identified minor exceedances for heavy metals (lead and nickel) within one sample (6F2-106), and non-volatile PAHs (benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, and dibenzo(a,h)anthracene) within three samples (6F2-103, 6F2-104, and 6F2-111), when compared to the relevant GACs (Hardstanding and >600 mm of cover), with primary exposure pathways related to dermal contact and ingestion. In addition, asbestos in the form of chrysotile loose fibres at concentrations <0.001% (i.e. trace detection) were identified within three samples (6F2-101, 6F2-104, and 6F2-114) with primary exposure pathways related to the inhalation of fibres/dust. Therefore, these materials were placed beneath hardstanding in line with the Asbestos CSM in order to break the pathways to future end users.

A Remediation Sample Plan denoting the location of chemical samples is presented as Drawing 18-528-036 in APPENDIX III.

Results of the chemical analysis are presented in APPENDIX VI. Grading certificates classified the majority of imported fill material as 6F2 (on Site of Origin), with materials been subsequently engineered in line with the E3P geotechnical engineering and performance specification (Ref: 15-280-R2-7, Nov 2025, Section 6). It is noted that samples 6F2-102 to 6F2-104 and 6F2-106 did not comply with the advised grading specification for a 6F2 material. However, consultation with the testing laboratory confirmed that this was due to a sampling error, and the materials would in fact meet the 6F2 classification.

A Remediation Sample Plan denoting the location of geotechnical samples is presented as Drawing 18-528-037 in APPENDIX III.

Results of the geotechnical analysis are presented in APPENDIX VII.

2.20. RE-20 – POST REMEDIATION GROUND GAS ASSESSMENT

Date of Works Undertaken	N/A
Overview of Works	**Background** The GSV for methane is currently within a CS4 classification in WS201. This borehole is located adjacent to the north of the off-site landfill. In addition, Made Ground with a hydrocarbon odour and decaying timber was noted. Made Ground deposits within the vicinity of WS201 will require excavation to their full depth and all deleterious and putrescible materials removed for off-site disposal. Given the observed gas concentrations within the adjacent landfill, a gas cut-off barrier is required to be installed along the boundary with the landfill in order to interrupt potential gas migration pathways laterally within the ground, reduce the ground gas concentrations in this area of the site, and be validated through a programme of post remediation monitoring. **Overview of Works** N/A – WS201 is located in Area 2 (southwest part of northwestern sector), and will be reported under a separate cover.

Based on the ground gas monitoring completed to date, Plots B128-B129 are currently classified as Characteristic Situation 2 (CS2) and will require gas protection measures; details of which will be reported under a separate cover (Gas Protection Design Report).

The remaining plots within Area 1A (Plots B101-B114, and B131-B142) are currently classified as Characteristic Situation 1 (CS1) and gas protection measures are not considered to be required.

2.21. RE-21 – PREPARATION OF GARDEN FOR COVER SYSTEM

Date of Works Undertaken	N/A
Overview of Works	**Background** As part of the land remediation works, garden areas will be prepared in a manner that will facilitate the placement of the clean cover system during the development phase of the works. The preparation of the areas requiring clean cover is critical in ensuring delivery of the site in a manner that will ensure no risk to the proposed end-users. **Overview of Works** Across Area 1A, all gardens were prepared to 750 mm below finished level to allow the placement of a clean cover system inclusive of break layer. Levels of the gardens to regrade level will be brought to the intended elevation via site-won subsoil, and site-won and imported topsoil. Westshield has produced As-Built drawings for the site (Drawing Ref: Area 1A + 1B – As Built Survey - Formation), which are presented in APPENDIX III. Interim validation letter reports pertaining to cover system depth validations will be reported under separate covers.

2.22. RE-22 – PROVISION OF SUBSOIL

Date of Works Undertaken	To Be Completed
Overview of Works	**Background** The shallow natural drift deposits (predominantly granular and cohesive soils) are deemed suitable for use within the upper 600 mm of clean cover to residential gardens and areas of soft landscaping. It is therefore deemed viable to re-use materials that are cut as part of the wider earthworks (regulated by an MMP) to generate the required volumes of material. **Overview of Works** The provision of subsoil is currently outstanding.

	Interim validation letter reports pertaining provision of subsoil will be reported under separate covers.

2.23. RE-23 – PROVISION OF TOPSOIL

Date of Works Undertaken	To Be Completed
Overview of Works	**Background** Topsoil will be recovered, where possible; however, it is likely that there will be a requirement to import suitable material for use within the proposed development. **Overview of Works** See Section 2.8 for details on the *"RE:8 – Recovery of Natural Topsoil"* from within Area 1A. The provision of topsoil is currently outstanding. Interim validation letter reports pertaining provision of topsoil will be reported under separate covers.

2.24. RE-24 – INDEPEDNET VALIDATION: WATCHING BRIEF

Date of Works Undertaken	January-June 2026
Overview of Works	**Background** Given the site history and potential contamination sources identified within the ICSM, a degree of uncertainty remains with regard to the potential for as yet unidentified contamination impact within the near-surface soils and groundwater. It will therefore be necessary to instigate the site-wide remediation and enabling works under the supervision of a suitably qualified and independent specialist. The specialist is required to attend site as and when appropriate to monitor works, record ground conditions and fully investigate all potential sources of as yet unidentified contamination. **Overview of Works** Throughout the remediation and enabling works completed by Westshield, E3P has maintained a full- and part-time watching brief in which site visits were undertaken to monitor works, record ground conditions and fully investigate all potential sources of as yet unidentified contamination. To date, an E3P engineer has attended site on 56 occasions, with full time attendance undertaken between 7th and 29th January 2026, and part-time attendance undertaken between 2nd February and 30th June 2026.

2.25. RE-25 – WASTE SOILS SURPLUS TO REQUIREMENTS

Datre of Works Undertaken	Throughout
Overview of Works	**Background** In the event that a surplus of excavation material is present on-site, this, in most cases, will be deemed to be a waste in accordance with the Waste Framework Directive (Article 3(1) Waste Framework Directive 2008/98/EE). The waste producer – but ultimately, the landowner – is responsible for the compliant disposal of such materials. **Overview of Works** Mixed general waste, and timber/vegetation chippings were removed to a licensed waste facility. Across the development, the earthworks have been designed to be in balance. As such, soils generated from excavation activities (cut) have been re-used on-site within the earthworks balance in areas requiring upfill. As such, no surplus soil generation has been created to date. The exception to the above is where the site-won topsoil deposits recovered from within Areas 1A and 1B were determined to be unsuitable for re-use within the development. Approximately 4,892 m^3 of non-hazardous soil (topsoil and hotspot arisings) was removed off-site from Areas 1A (hotspot arisings) and 1B (topsoil) to a licensed waste facility. Waste tickets, weekly tracking records and waste consignment notes are available upon request from Westshield.

2.26. RE-26 – VALIDATION OF MATERIALS FOR POTABLE WATER SUPPLY INFRASTRUCTURE

Date of Works Undertaken	Throughout
Chemical Testing	I2 Report: 26-011256 (SW-6F2-101) I2 Report: 26-021744 (SW-6F2-102 to SW-6F2-104) I2 Report: 26-002258 (6F2-101, Killshaw) I2 Report: 26-002807 (6F2-102, Cheshire Soils) I2 Report: 26-004801 (6F2-103 to 6F2-105, SED, Maher, Kirkby Skips) I2 Report: 26-005642 (6F2-106, Pheonix) I2 Report: 26-009444 (6F2-107, Mainsway) I2 Report: 26-011267 (6F2-108 to 6F2-109, Mainsway) I2 Report: 26-011873 (6F2-110 to 6F2-111, Fox Brothers and URNW) I2 Report: 26-018701 (6F2-112 to 6F2-114, Maher)

Overview of Works	A post-remediation UKWIR risk assessment has been completed using existing ground materials that have been used during the upfill works across the site, in which the pipe will be laid. Exceedances of PE pipeline thresholds for hydrocarbons C10-C16, and C16-C40 have been noted within and outside of pipeline depth; as such, barrier pipe will be required for all areas of the site.

2.27. RE-27 – REMEDIAL VERIFICATION REPORT

Date of Works Undertaken	January-June 2026
Overview of Works	This validation report covers all remediation and enabling works completed within Area 1A up to June 2026. Phased validation reports pertaining to other areas of the site, and specific remedial actions (i.e. asbestos, petrol station), as well as the validation of gardens and gas membrane installations will be reported under separate covers.

3. GEOTECHNICAL ENGINEERING WORKS VALIDATION

3.1. GE-1– PRE COMMENCEMENT REMEDIATION CONTRACTOR REQUIREMENTS

Date of Works Undertaken	Throughout
Geotechnical Testing	**E3P** Murray Rix Report: 25005-124 (WS-D320-F 1.50-2.00 m, WS-D294-N-3.50-4.00 m, WS-D294-E 2.50-3.00 m, WS-T106-F 3.50-4.00 m, WS-D268-S 3.40-4.00 m, and TT Plot D265-D266 4.60 m) Murray Rix Report: 26002-64 (TP Plots D105-D106 Garage, TP Plot D103, TP Plots D123-D124, TP Plots D10, and TP Plot D08) Murray Rix Report: 26002-72 (TP Plot B152 1.50 m, TP Plot B133 1.00 m, and TP Plot B134 1.20 m) Murray Rix Report: 26002-73 (TP305 2.00 m, TP320 1.20 m, and TP324 1.00 m) Murray Rix Report: 26002-94 (TP311 1.80 m, TP314 2.20 m, and TP326 1.50 m) Murray Rix Report: 26002-108 (TP Plot 294D Garage 2.00 m) **Westshield** CTS Report: 393830.5.1.1 (Sample no. 621284) CTS Report: 399287.6.1.1 (Sample no. 629311) CTS Report: 399287.6.1.2 (Sample no. 629316) CTS Report: 399287.6.1.3 (Sample no. 629317) CTS Report: 399287.7.1.1 (Sample no. 629311) CTS Report: 399287.7.1.2 (Sample no. 629316) CTS Report: 399287.7.1.3 (Sample no. 629317) CTS Report: 399412.3.1.1 (Sample no. 629329 CTS Report: 399412.4.1.1 (Sample no. 629329) CTS Report: 404334.2.1.1 (Sample no. 637129) CTS Report: 404334.2.1.2 (Sample no. 637180) CTS Report: 404334.3.1.2 (Sample no. 637180)
Overview of Works	Prior to the start of the enabling works, E3P undertook a series of trial pits across the site as part of a phase of supplementary site investigation, in order to obtain geotechnical samples of the material intended to be used to raise levels within the development. Samples were taken from selective trial pits at depths ranging between 1.00 m and 4.60 m bgl. During the initial phases of enabling works, Westshield obtained geotechnical samples of the material intended to be used to raise levels within the development from on-site stockpiles generated as part of cut/fill activities.

As part of the assessment of the deep Made Ground within the central sector (Area 6), E3P undertook a series of trial pits and obtained geotechnical samples of the material intended to be used to raise levels within the development. Samples were taken from selective trial pits at depths ranging between 1.00 m and 2.20 m bgl.

Geotechnical testing comprised of particle size distribution tests (PSD), and soil density / moisture content relationship (OMC/DD 4.5 kg rammer).

PSD results determined the soils to predominantly consist of Class 2A/2B materials, with localised occurrences of Class 1A/1B and Class 2C.

Soil density / moisture content relationship testing determined an optimum water content ranging between 6% and 19%, with a maximum dry density ranging between 1.45 mg/m^3 and 2.11 mg/m^3.

All on-site testing has been completed in line with the E3P Remediation and Enabling Works Strategy (Ref: 15-280-R2-7, Nov 2025, Section 6).

Results of the geotechnical analysis are presented in APPENDIX VII.

3.2. GE-2– FURTHER ASSESSMENT OF DEEP MADE GROUND

Date of Works Undertaken	N/A
Overview of Works	**Background** Further investigation is required to delineate and identify the full depth of the Made Ground in the central sector of the site to address geotechnical uncertainties and to allow the foundation solution to be finalised. **Overview of Works** N/A – the deep Made Ground is located in Area 6 (central sector) and will be reported under a separate cover.

3.3. GE-3– EXCAVATION, BREAKING AND PROCESSING OF ALL ABOVE AND BELOW GROUND STRUCTURES

Date of Works Undertaken	May-June 2026
Photographs	Plate 12
Chemical Testing	I2 Report: 26-011256 (SW-6F2-101) I2 Report: 26-021744 (SW-6F2-102 to SW-6F2-104)
Geotechnical Testing	Murray Rix Report: 26002-109 (SW-6F2-101) Murray Rix Report: 26002-173 (SW-6F2-102 to SW-6F2-104)
Overview of Works	See Section 2.13 for details on the "*RE:13 – Excavation, Breaking and Processing of All Above- and Below-Ground Structures*" from within Area 1A.

3.4. GE-4 – CUT-AND-FILLING OF MADE GROUND TO DEVELOPMENT LEVELS

Date of Works Undertaken	January-June 2026
Photographs	Plate 16-20
Chemical Testing	I2 Report: 26-015609 (TP501 and TP505) I2 Report: 26-019198 (TP502 to TP504, TP506, and TP507) I2 Report: 26-030374 (TP508) I2 Report: 26-031756 (SW-MG-116 to SW-MG-121)
Geotechnical Testing	Murray Rix Report: 26002-220 (SW-MG-116 to SW-MG-121)
In-Situ Testing	CTS Report: 404571.5.1.1 (E2-E3, F2-F6, and G3-G6) CTS Report: 405165.1.1.1 (E2-E3, F3-F6, and G3-G6) CTS Report: 412302.2.1.1 (G2) CTS Report: 417846.1.1.1 (E1)
Overview of Works	In order to provide the final development platform, there was a requirement to undertake a significant cut and fill of the both the Made Ground and Natural materials on-site. Site-won Made Ground and Natural materials, alongside imported 6F2 were used to build the final development levels, roads and temporary working platforms. The site was subject to a process of enabling earthworks completed by Westshield, under part time supervision of E3P. Where the proposed enabling works levels required the current landform to be cut, all unsuitable materials were removed in their entirety and extreme care was taken so as not to disturb the underlying stratum prior to the placement of the appropriate platform, in compliance with the E3P geotechnical engineering and performance specification (Ref: 15-280-R2-7, Nov 2025, Section 6). This methodology was implemented for Plots B111-B114 (Coopers FZP designated as Traditional Strip and Deep Strip Foundations). Where the development levels required material to be filled, site-won Made Ground, natural clays, and natural sands were utilised. Upfill materials were sorted in a controlled manner prior to replacement, in accordance with the requirements of the specification for the intended land use. All site-won Made Ground soils were tested at 1 per 1000 m^3, with leachate analysis tested at 1 per 2000 m^3 frequency in accordance with the agreed specification. Site-won Made Ground deposits sourced from Area 1A, Area 1B and the eastern sector of Area 4 were utilised as upfill within Area 1A. Chemical analysis of upfill sourced from the eastern sector of Area 4 recorded minor exceedances against relevant GACs (Hardstanding and >600 mm of Cover) for non-volatile PAHs (Benzo(b)fluoranthene, benzo(a)pyrene, and dibenzo(a,h)anthracene), with primary exposure pathways related to dermal contact and ingestion.

Chemical analysis of upfill also identified asbestos in the form of chrysotile loose fibres at trace concentrations (<0.001%) within two of seven samples of site-won Made Ground sourced from Area 1B, and amosite loose fibres at trace concentrations (<0.001%) within one of six samples sourced from the eastern sector of Area 4, with primary exposure pathways related to the inhalation of dust/fibres.

Leachate analysis of upfill sourced from Areas 1A, 1B and 4 recorded minor exceedances of the EQS thresholds for pH, fluoranthene, cadmium, chromium, copper, lead, nickel, and zinc; however, due to the low mobility of the determinants, there is considered to be a low risk to residential end users and the wider environment.

The non-volatile PAH and asbestos impacted materials were used as upfill and placed at depths >1.00 m bgl before being overlain with naturally occurring inert superficial deposits, in accordance with the Asbestos CSM as outlined within the E3P Remediation and Enabling Works Strategy. As such, any risk to human health is mitigated by the installation of a chemically suitable cover system within all proposed garden areas and areas of soft landscaping; additionally, where hardstanding is present (plots, driveways, and roads) the pathway is cut. Therefore, no risk will be present, and the soils are deemed suitable for re-use.

A Remediation Sample Plan denoting the location of chemical samples is presented as Drawing 18-528-036 in APPENDIX III.

Results of the chemical analysis are presented in APPENDIX VI.

Grading certificates classified the materials as Class 1A, with materials being subsequently engineered in line with the E3P geotechnical engineering and performance specification (Ref: 15-280-R2-7, Nov 2025, Section 6).

A Remediation Sample Plan denoting the location of geotechnical samples is presented as Drawing 18-528-037 in APPENDIX III.

Results of the geotechnical analysis are presented in APPENDIX VII.

Fill materials were placed and nominally compacted in a manner that accords with the E3P geotechnical engineering and performance specification (Ref: 15-280-R2-7, Nov 2025, Section 6); and contamination compliance criteria, in order to prepare Plots B101-B110 and B128-B142 for a VSC foundation solution (200-250 mm layers, 4 passes with >5000 kg vibrating roller).

Nuclear Density Gauge (NDG) tests were completed every 4th layer of upfill with the materials generally meeting the testing requirements of the geotechnical specification (in-situ density >95% compaction for all in-situ materials – fill supporting VSC foundations; and >90% compaction – infrastructure and landscaping). A summary table and the full results are presented within APPENDIX VIII. The NDG test locations are presented on the E3P drawing 18-528-039 in APPENDIX III.

Westshield has produced As-Built drawings for the site (Drawing Ref: Area 1A + 1B – As Built Survey - Formation), which are presented in APPENDIX III.

3.5. GE-5 – PLACEMENT AND COMPACTION OF UPFILL MATERIAL TO FACILITATE GROUND IMPROVEMENT BY VSC

Date of Works Undertaken	January-June 2026

Geotechnical Testing	Murray Rix Report: 26002-220 (SW-MG-116 to SW-MG-121)
In-Situ Testing	CTS Report: 404571.5.1.1 (E2-E3, F2-F6, and G3-G6) CTS Report: 405165.1.1.1 (E2-E3, F3-F6, and G3-G6) CTS Report: 412302.2.1.1 (G2) CTS Report: 417846.1.1.1 (E1)
Overview of Works	The Coopers FZP denotes Plots B101-B110 and B128-B142 are to utilise a VSC foundation solution. See Section 3.4 for details on the "GE-4 – *Cut-and-Filling of Made Ground to Development Level"* from within Area 1A (Fill Materials, NDG Testing and As-Built Drawings).

3.6. GE-6 – CONSTRUCTION OF TEMPORARY WORKING PLATFORM

Date of Works Undertaken	January-June 2026
Chemical Testing	I2 Report: 26-011256 (SW-6F2-101) I2 Report: 26-021744 (SW-6F2-102 to SW-6F2-104) I2 Report: 26-002258 (6F2-101, Killshaw) I2 Report: 26-002807 (6F2-102, Cheshire Soils) I2 Report: 26-004801 (6F2-103 to 6F2-105, SED, Maher, Kirkby Skips) I2 Report: 26-005642 (6F2-106, Pheonix) I2 Report: 26-009444 (6F2-107, Mainsway) I2 Report: 26-011267 (6F2-108 to 6F2-109, Mainsway) I2 Report: 26-011873 (6F2-110 to 6F2-111, Fox Brothers and URNW) I2 Report: 26-018701 (6F2-112 to 6F2-114, Maher)
Geotechnical Testing	Murray Rix Report: 26002-109 (SW-6F2-101) Murray Rix Report: 26002-173 (SW-6F2-102 to SW-6F2-104) Murray Rix Report: 26002-56 (6F2-101, Killshaw) Murray Rix Report: 26002-67 (6F2-102, Cheshire Soils) Murray Rix Report: 26002-68 (6F2-103 to 6F2-105, SED, Maher, Kirkby Skips) Murray Rix Report: 26002-69 (6F2-106, Pheonix) Murray Rix Report: 26002-114 (6F2-107, Mainsway) Murray Rix Report: 26002-128 (6F2-108 to 6F2-109, Mainsway) Murray Rix Report: 26002-129 (6F2-110 to 6F2-111, Fox Brothers and URNW) Murray Rix Report: 26002-148 (6F2-112 to 6F2-114, Maher)
In-Situ Testing	CTS Report: 5017684.1.1.1 (Test ref. 4, 5 and 7)

	CTS Report: 5017684.1.1.2 (Test ref. 14 and 16)
Overview of Works	**Background** Where plots are to be prepared in a manner that will facilitate ground improvement by Vibro-stone column or a driven pile, a temporary working platform will be constructed. **Overview of Works** A temporary working platform was constructed, comprising 300 mm of 6F2 from site-won and imported crushed material. Imported fill was used on-site in the form of 6F2 material from hauliers Killshaw, Cheshire Soils, SED, Maher, Kirkby Skips, Pheonix, Mainsway, Fox Brothers, and URNW. As of 30th June 2026, approximately 4,000 m^3 of 6F2 has been generated on-site, approximately 11,653 m^3 of 6F2 has been imported to the site to be used as upfill within roads and temporary working platforms. See Section 2.13 for details on the "*RE:13 – Excavation, Breaking and Processing of All Above- and Below-Ground Structures*" from within Area 1A (site-won 6F2 testing). See Section 2.19 for details on the "*RE:19 – Importation of Bulk Fill*" from within Area 1A (imported 6F2 testing). Westshield had full-time supervision with E3P providing part-time supervision of the following: ▪ CBR plate load tests to be completed on piling mats; ▪ Geotechnical testing of the site-won material was undertaken for PSD; and, ▪ CBR tests were undertaken beneath plots to ensure minimum compaction of 5%. The results of the CBR tests confirm that all plots within Area 1A met the compaction specification, with CBRs ranging between 5.8% and 43.0%. A summary table and the testing certificates are presented within APPENDIX VIII. The location of CBRs is presented within Westshield drawing ref: Area 1A + 1B – CBR Testing Location Plan in APPENDIX III.

3.7. GE-7 – REPLACEMENT OF MATERIALS, GEOTECHNICAL ENGINEERING REQUIREMENTS

Date of Works Undertaken	January-June 2026
Geotechnical Testing	Murray Rix Report: 26002-220 (SW-MG-116 to SW-MG-121)
In-Situ Testing	**NDGs:** CTS Report: 404571.5.1.1 (E2-E3, F2-F6, and G3-G6) CTS Report: 405165.1.1.1 (E2-E3, F3-F6, and G3-G6)

	CTS Report: 412302.2.1.1 (G2) CTS Report: 417846.1.1.1 (E1) **CBRs:** CTS Report: 5017684.1.1.1 (Test ref. 4, 5 and 7) CTS Report: 5017684.1.1.2 (Test ref. 14 and 16)
Overview of Works	To achieve the proposed Enabling Works Levels (EWLs), Westshield undertook a process of cut/fill works including the careful selection of materials from within areas of reduced level excavation (cut) prior to placement in a manner that accords with the E3P geotechnical engineering and performance specification (Ref: 15-280-R2-7, Nov 2025, Section 6); and contamination compliance criteria. A general turnover to a maximum depth of 1.88 m bgl was required within Area 1A as part of these works to remove constraints to construction. Where applicable, all voids were backfilled with materials in accordance with the E3P geotechnical engineering and performance specification. Plots requiring a traditional strip and deep strip foundation (Plots B111 to B114) and a VSC solution (Plots B101 to B110, and B128 to B142) were left 875 mm below the finished level, whilst gardens were finished to 750 mm below finished level. Westshield has produced a Reduce Level Dig Survey drawing for the site (Drawing Ref: Area 1A + 1B – Reduce Level Dig Survey), which is presented in APPENDIX III. When re-engineering Made Ground to fill voids or after turnover, the general fill was placed and compacted in 200-250 mm layers and tracked/rolled back in using earth moving plant to compact under the full-time supervision of Westshield and part-time supervision of E3P. See Section 3.4 for details on the *"GE-4 – Cut-and-Filling of Made Ground to Development Level"* from within Area 1A (NDG Testing). See Section 3.6 for details on the *"GE-6 – Construction of Temporary Working Platform"* from within Area 1A (CBR Testing).

3.8. GE-8– PREPERATION OF GROUND FOR VIBRO STONE COLUMNS WITHIN TREE INFLUENCE

Date of Works Undertaken	January-June 2026
Photographs	Plate 16-20
Overview of Works	**Background** Where trees are present, or within their total zone of influence, the contractor must ensure that all cohesive soils are removed to the required depth with the subsequent replacement with a granular blanket to fully mitigate the potential for volumetric instability in the clay soils.

Overview of Works

Coopers have completed the FZP for the site (Drawing 7887/Fd/01, Sheets 1 to 4, dated May 2026, presented in APPENDIX III), which should be read in conjunction with this validation report.

The Coopers FZP denotes that plots affected by tree influence within Area 1A are Plots B101-B103, B111-B114, and B140; these plots required all cohesive material to be removed and replaced with suitable granular material in line with NHBC guidance and recommendations.

Clay removal was undertaken within the footprint of the above mentioned plots under the full-time supervision of Westshield, with E3P providing a watching brief under part-time supervision. Clays were removed in line with the Coopers FZP and replaced with natural granular fills and/or non-heave affected clays recovered from the site (Area 1B). Fill materials were placed and nominally compacted in a manner that accords with the E3P geotechnical engineering and performance specification (Ref: 15-280-R2-7, Nov 2025, Section 6).

Westshield has produced As-Built drawings for the site (Drawing Ref: Area 1A + 1B – As Built Survey - Formation), which are presented in APPENDIX III.

3.9. GE-9– DEEP FILL ASSESSMENT

Date of Works Undertaken	N/A
Overview of Works	**Background** Where material upfill is proposed on compressible materials, predictive settlement modelling is required to determine the long-term potential for surcharge to induce consolidation within the underlying stratum. Where settlement exceeds the prescribed limits, Ground Engineering works are required to be designed by a specialist to ensure no long-term risk of subsidence to structures and infrastructure. **Overview of Works** N/A – no material upfill on compressible materials was undertaken within Area 1A.

3.10. GE-10– DELINEATION, EXCAVATION AND TREATMENT OF INFILLED HISTORICAL AND PRESENT PONDS

Date of Works Undertaken	**N/A**
Overview of Works	**Background**

	Prior to the commencement of the main earthworks (where possible), all known former infilled ponds and a pond identified at the northwest should be clearly identified and demarked and investigated to assess the nature of materials and the extent of any deleterious elements. **Overview of Works** N/A – no former infilled or present ponds were identified within Area 1A.

3.11. GE-11– REMOVAL OF POTENTIAL HIGHWALLS BENEATH PLOT FOOTPRINTS

Date of Works Undertaken	N/A
Overview of Works	**Background** During the E3P Supplementary Site Investigation 2026, potential highwall features associated with deep Made Ground deposits and former cut and fill works to provide a level development platform in the central sector were identified. During the process of cut/fill earthworks, remedial works comprising the controlled removal and regrading of the existing Made Ground highwall will be required in order to facilitate the creation of a stable and level development platform. **Overview of Works** N/A – the deep Made Ground and potential highwall features are located in Area 6 (central sector) and will be reported under a separate cover.

4. SECOND PHASE MITIGATION AND MANAGEMENT

4.1. COVER SYSTEM

This section details the construction works that are required to ensure full compliance with the remediation and enabling works strategy, regulatory authorities, building control and warranty providers.

The following should be implemented during the build phase of the development:

- Chemical validation of site-won and imported topsoil for use within soft landscaping.
- Chemical validation of site-won subsoil, and any additional subsoil imported for use within soft landscaping.
- Placement and depth validation of subsoil (site-won and/or imported) within soft landscaping.
- Placement and depth validation of topsoil (site-won and/or imported) within soft landscaping.
- Installation and validation of ground gas protection measures (where required). A Ground Gas Zoning Plan is included as Drawing 18-528-020 in APPENDIX III.

This section covers the build phase requirements with regards cover systems for soft landscaping however in relation to any further build phase validation items such as ground gas mitigation, this will be reported under a separate cover (Gas Protection Design Report).

4.2. PLACEMENT OF COVER SYSTEM

The remediation and enabling works strategy for the site, concerning the health of the future site users, includes the provision of a chemically suitable clean material to be installed in all soft landscaped areas. The construction of the clean cover/placement of clean material shall be in accordance with Table 4.1.

Table 4.1 Construction and Validation of the Cover System

LANDSCAPE TYPE	DEPTH		BREAK LAYER Y/N/TYPE	VALIDATION FREQUENCY	TESTING SUITE	VALIDATION DOCUMENT
	TOPSOIL	SUBSOIL				
Back garden	150	450	Y – Made Ground N – Natural Stata	1 per plot	A/B/C/D	Depth Validation Letters
Front garden	150	150	N	1 per 4 plots	A/B/C/D	
LEAP (parkland)	Minimum 300 mm clean cover		N	1 per 625 m^2	A/B/C/D	
Functional POS	Minimum 300 mm clean cover		N	1 per 2000 m^2	A/B/C/D	
Non-Functional POS	N/A		N/A	N/A	A/B/C/D	N/A

In accordance with the current requirements of the regulatory authorities, validation samples will be collected from all materials that are to be imported or re-used on-site to confirm the proposed development will pose no unacceptable risk to human health or the wider environ.

It is recommended that in the areas of known infilled ground across the site, a break layer is included to limit any cross contamination with any observed Made Ground. Where earthworks provide a cut of material into natural deposits, a break layer can be omitted.

Subsoil and topsoil shall be free from deleterious materials, including building materials (e.g. bricks, concrete, plaster), timber, plastics, glass, metal fragments, and other unsuitable elements listed in BS 3882:2007. Compliance will be assessed visually during sampling and inspection of the cover system to confirm the absence of these contaminants. BS 3882 testing will not be undertaken to verify compliance.

Initial testing of site-won sub-soil to classify its re-use on-site has been completed as part of the remediation works undertaken. Therefore, further analysis of sub-soil will be required to achieve the testing frequencies outlined within the remediation strategy and in the event of the importation of additional material during construction.

Testing requirements for top-soil and sub-soil are presented in Table 4.2.

Table 4.2 Specification for Chemical Testing

MATERIAL USE	TESTING FREQUENCY	SUITE OF ANALYSIS
Subsoil Greenfield Source (450 mm Garden Cover)	1 Sample per 200 m^3 (minimum 3 from source)	A/B/C/D
Subsoil Brownfield Source (450 mm Garden Cover)	1 Sample per 50 m^3 (minimum 6 from source)	A/B/C/D
Topsoil Greenfield Source (150 mm Garden Cover)	1 Sample per 200 m^3 (minimum 3 from source)	A/B/C/D
Topsoil Brownfield Source (150 mm Garden Cover)	1 Sample per 50 m^3 (minimum 6 from source)	A/B/C/D
General Engineering Fill (Class 1 and 2 Soil)	1 Sample per 1000 m^3	A/B/C/D

Notes:
Suites of Analysis:
A. Speciated PAH.
B. Speciated TPH (C5-C35).
C. Asbestos (ID).
D. CLEA Inorganic Heavy Metals.

4.3. PROCEDURE FOR PLACEMENT OF CHEMICALLY SUITABLE COVER SYSTEM

Garden and landscaped areas need to be backfilled with validated subsoil, and topsoil in line with Table 4.1.

Topsoil is required to be confirmed as chemically suitable before placement. Where subsoil is not placed during remediation and enabling works, E3P will be required to return to the site and undertake independent validation of the correct placement of subsoil.

The placement of clean material in soft landscaping will be undertaken during the build phase works of the project.

The placement of subsoil and corresponding validation will be documented within the Garden Validation Letters (to be issued on completion of the contractor's works).

If proposed utilities are to be placed within the cover system, the clean cover should be placed before installation of these utilities.

If natural superficial deposits are encountered, excavation can cease here.

E3P will collect photographic evidence of the placement of certified topsoil and subsoil on completion of construction works. This element will also be checked by the Building Control Officer as part of the site completion before issuing a CML certificate.

The garden Validation procedure is detailed in Table 4.3.

Table 4.3 Garden Validation Procedure

PROCEDURE	METHOD
Chemical Validation	Imported subsoil and topsoil will need to be chemically analysed to confirm suitability for use with the proposed cover system before installation and completion of the garden systems. E3P will issue an email to the appropriate party with an assessment of the chemical suitability of both subsoil and topsoil. If acceptable, the materials can be installed to the required depth at which time the plot will be deemed complete following a validation procedure by a suitability qualified E3P engineer.
Trial Holes	Trial holes are deemed necessary for all plots given that the 600 mm cover system will need to be placed on each plot during the build phase.
Validation	Photographic evidence will be taken by E3P of the topsoil placement demonstrating the depth of topsoil and practical completion of works are required for each and every plot. For plots where subsoil depths require validation by E3P during the build phase, photographs will be taken and collated by E3P. It should be noted that cover systems should be installed as late as possible in the build programme to reduce the risk of cross-contamination.
Validation Certificate	Once the photographs of the placement of topsoil (over the clean material) have been provided, E3P will issue a plot-specific validation certificate to demonstrate that the required subsoil and topsoil have been placed in the required garden plots along with the chemical analysis.
Completion Report	Upon completion of all garden and landscaped areas within the development, a Completion Report will be issued providing the confirmation that all remediation requirements have been achieved.

Figure 4.1 provides an example of a garden validation certificate that will be required for each plot.

Figure 4.1 Example of Plot Cover System Validation

Plot Validation 20 / 20 (100%)

Plot Validation 1	5 / 5 (100%)
Plot Number	117
Is Plot Ready	Yes
Installation Standard	Pass
Depth of Cover System Materials (record the depth and support with Photo down the hole)	1000


Photo 1


Photo 2

Depth of Topsoil (mm)	150
Depth of Subsoil (mm)	850
Depth of Cover System at Ground Level (Photo)	☒


Photo 3

Depth of Cover System in Relation to Plot (Ensure the whole plot can be seen in the photo)	☒


Photo 4

Soil suitable	Yes
Geotextile membrane present	N/A

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



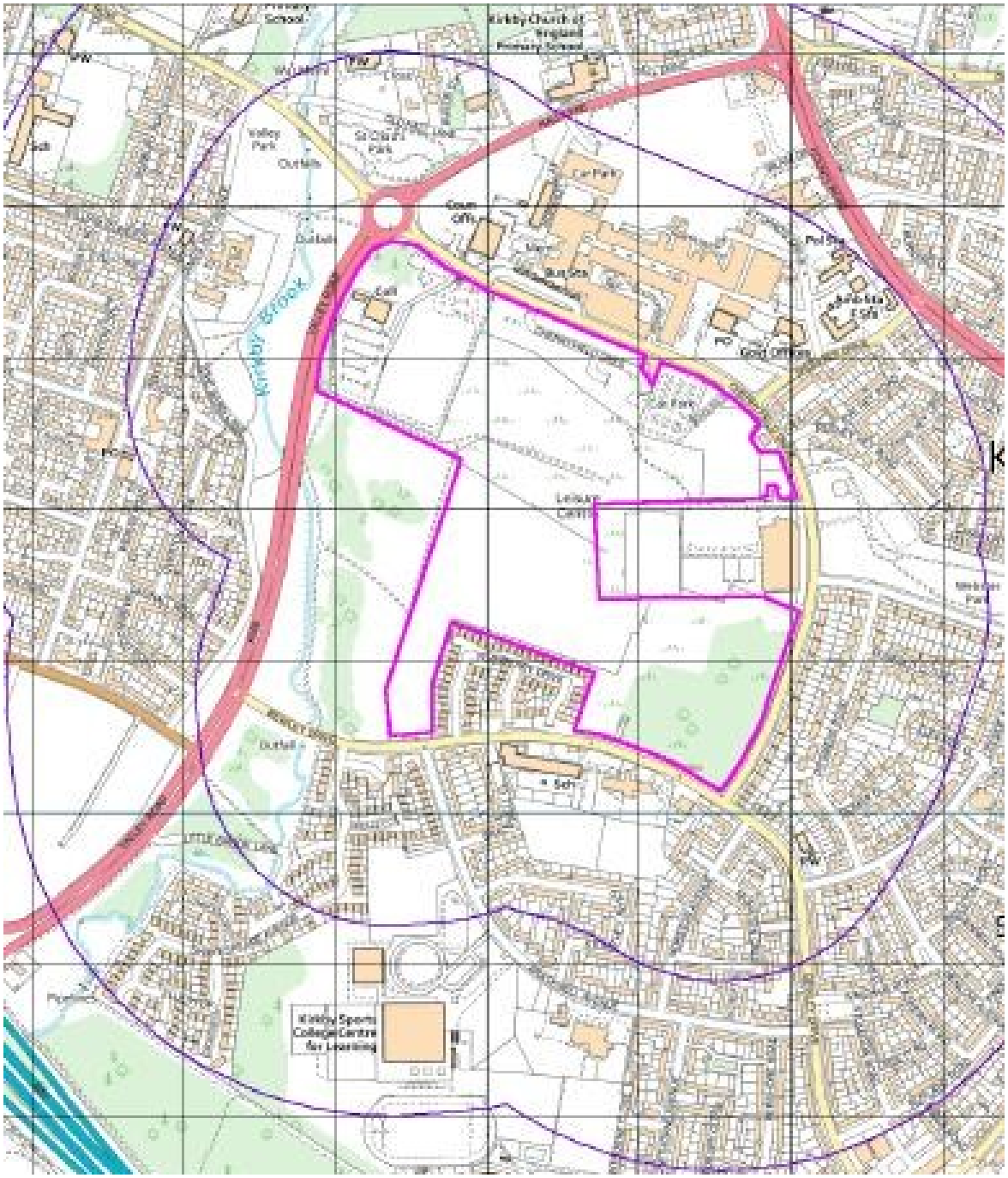
ACM	Asbestos-containing material	MMP	Materials management plan
ADS	Acoustic design statement	ND	Not detected
AST	Above-ground storage tank	NDP	Nuclear density probe
BGS	British Geological Survey	NMP	Noise Management Plan
BSI	British Standards Institute	NPSE	Noise Policy Statement For England
BTEX	Benzene, 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

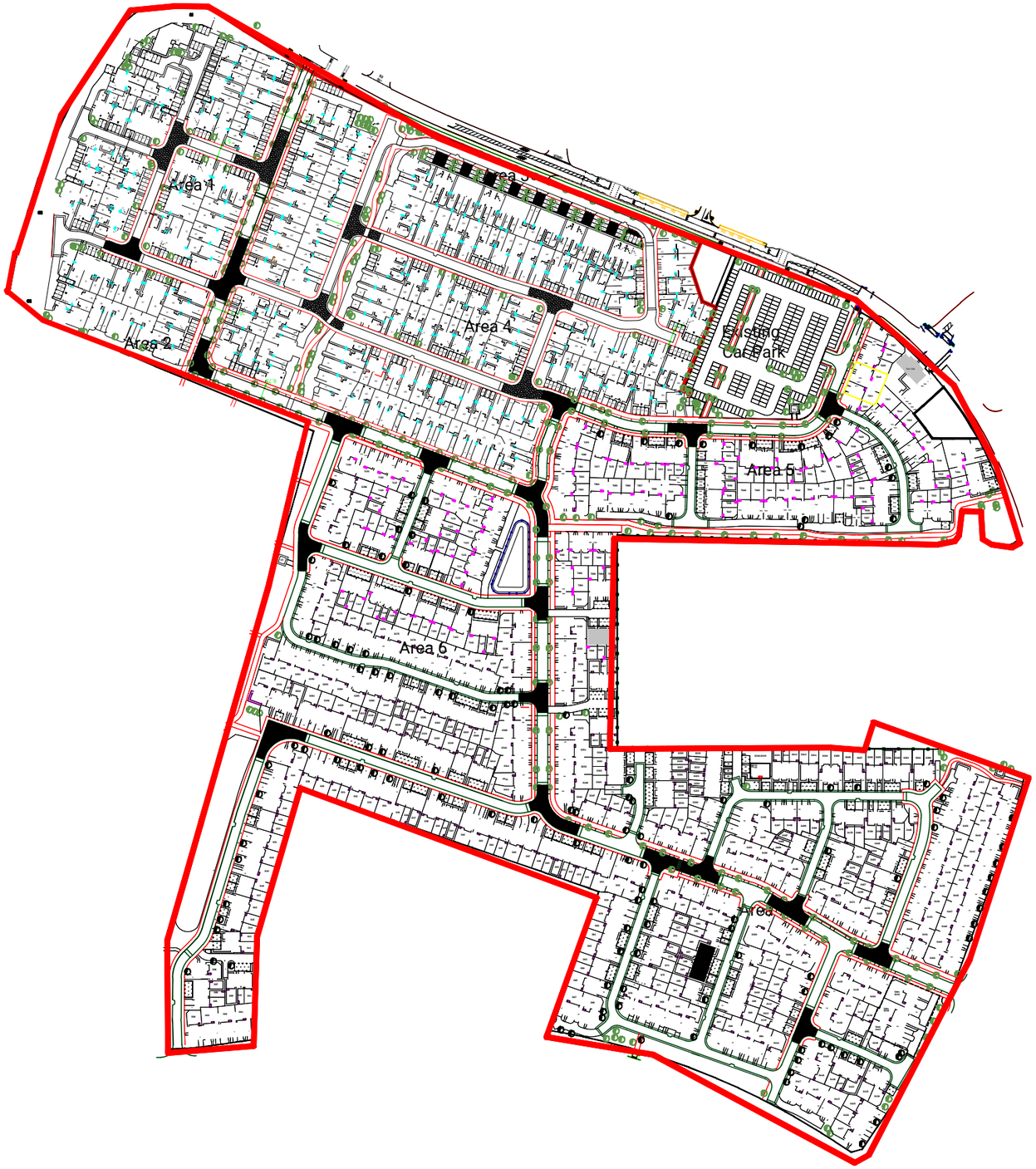
LEL	Lower explosive limit	**VRSC**	Vibro-replacement stone columns
LMRL	Lower method reporting limit	**VSC**	Vibro-stone columns
LNAPL	Light non-aqueous phase liquid (petrol, diesel, kerosene)	**WHO**	World Health Organisation
MCV	Moisture condition value	**WRAP**	Waste and Resources Action Programme
MIBK	Methyl isobutyl ketone	**WTE**	Water table elevation
m	Metres	**ppm**	Parts per million
km	Kilometres	**mg/m^3**	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/m^2**	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



DRAWING 18-528-001 – SITE LOCATION PLAN





N

P1	REVA	26.01.2026	TG	MW	MW	
Phase	Issue	Date	Drawn	Checked	PM	

Notes:

Client: Westshield

Job No: 18-528

Date: 26.01.2026

Drawing No: 002

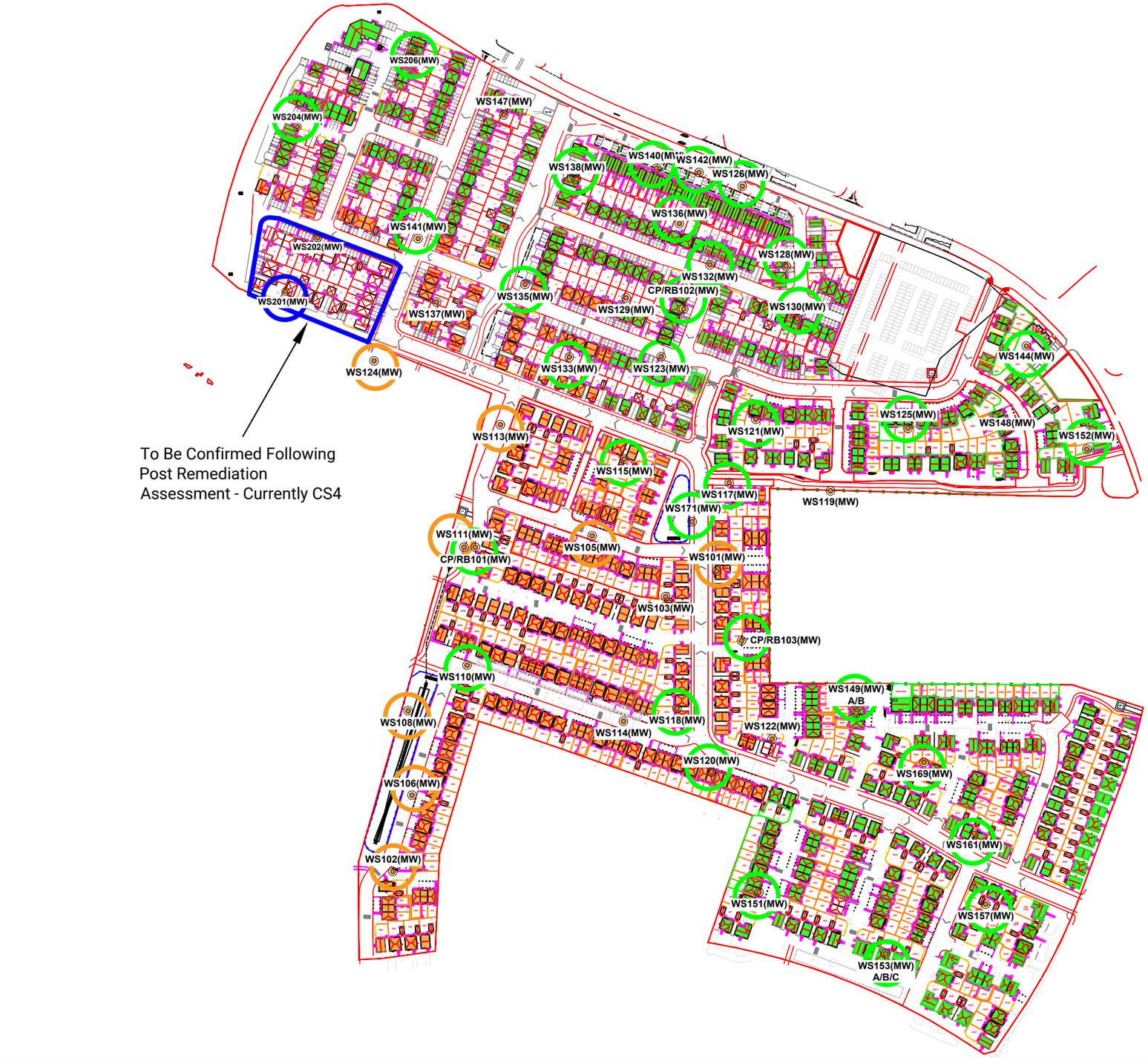
Scale: NTS

Job Title: Cherryfield Drive, Kirkby

Drawing Title: Proposed Development Plan

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

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To Be Confirmed Following Post Remediation Assessment - Currently CS4

Location Symbols

- Window Sample with Monitoring Well
- Approximate Cable Percussive/Rotary Borehole Location With Install

Key

- Plots Classified As CS1 - No Protection Measures Required
- Plots Require CS2 Protection Measures
- Location Classified As CS1
- Location Classified As CS2
- Location Classified As CS4

Notes:

Phase	Issue	Date	Drawn	Checked
P1	REVC	07.04.2025	TG	NS
P1	REVB	11.03.2025	TG	NS
P1	REVA	05.03.2025	CB	NS

Client: Westshield

Job No: 18-528

Date: 07.04.2025

Drawing No: 020

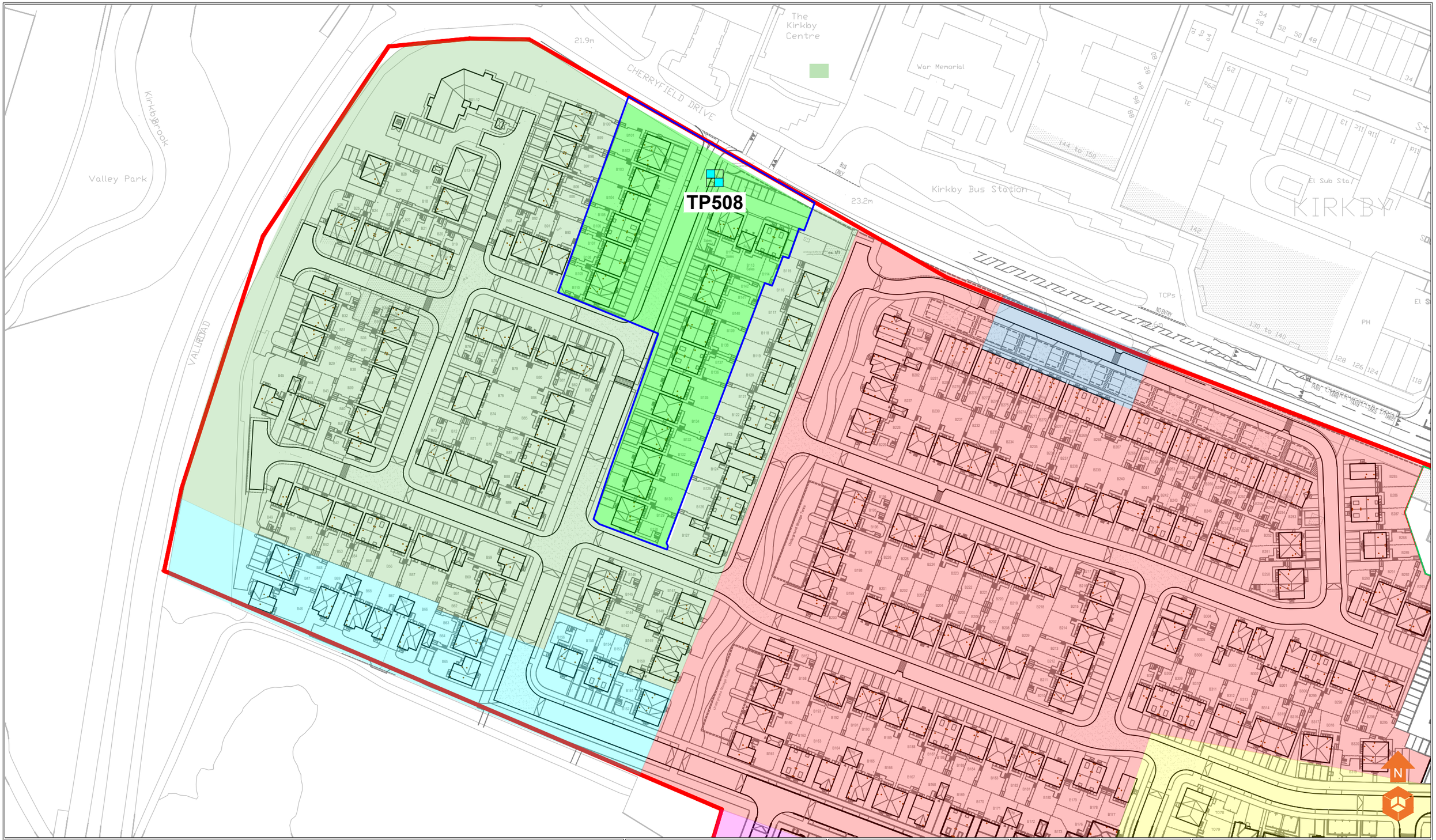
Scale: NTS

Job Title: Cherryfield Drive, Kirkby

Drawing Title: Gas Zoning Plan

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

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Location Symbols

Approximate Post Demolition Validation Sample Location

Key

- Area 1a
- Area 1b
- Area 2
- Area 3
- Area 4
- Area 5
- Area 6
- Area 7a
- Area 7b

Notes:

Phase	Issue	Date	Drawn	Checked	PM
P1	REVA	14.07.2026	TG	LC	MW

Client: Westshield

Job No: 18-528

Date: 14.07.2026

Drawing No: 033

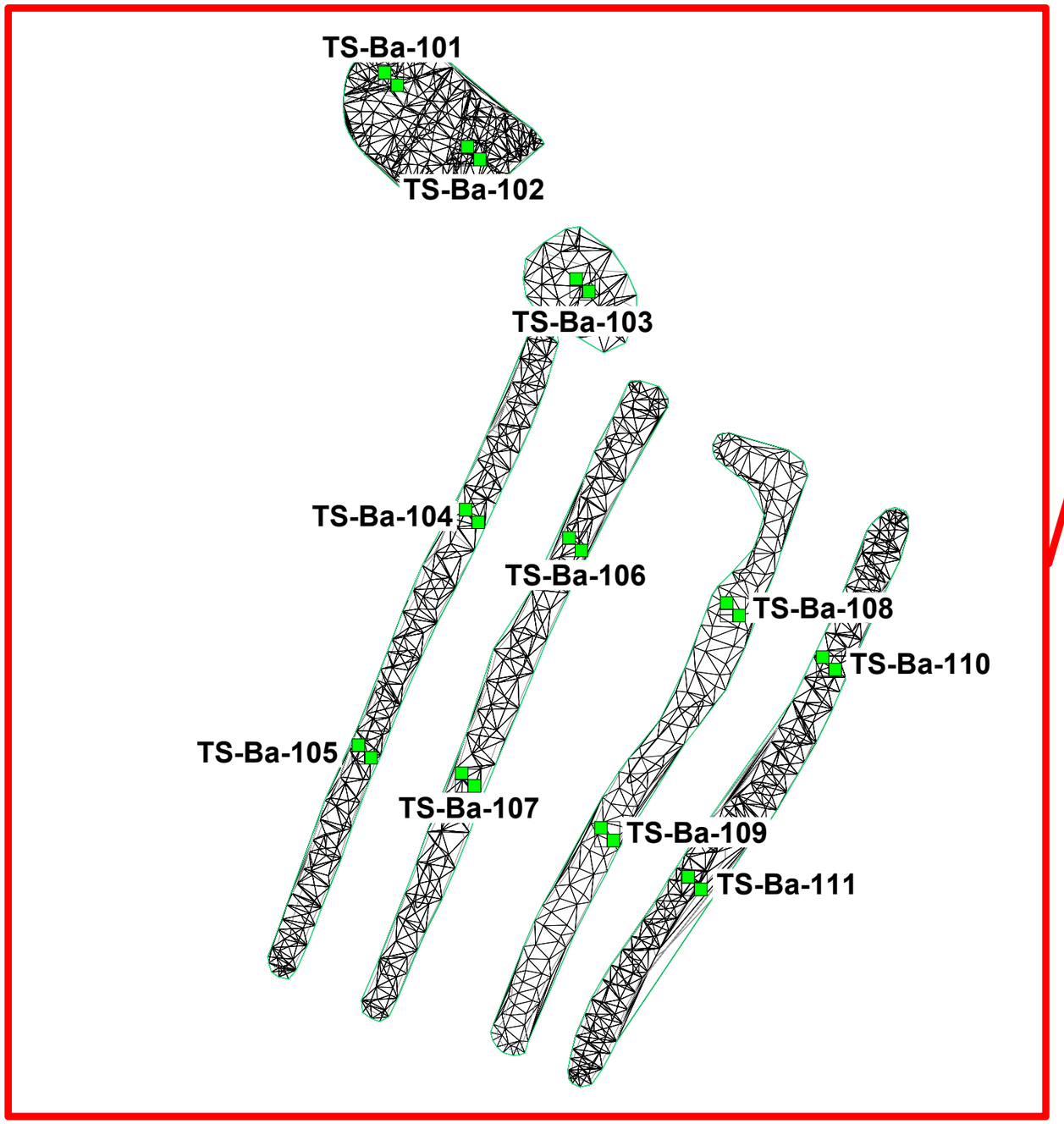
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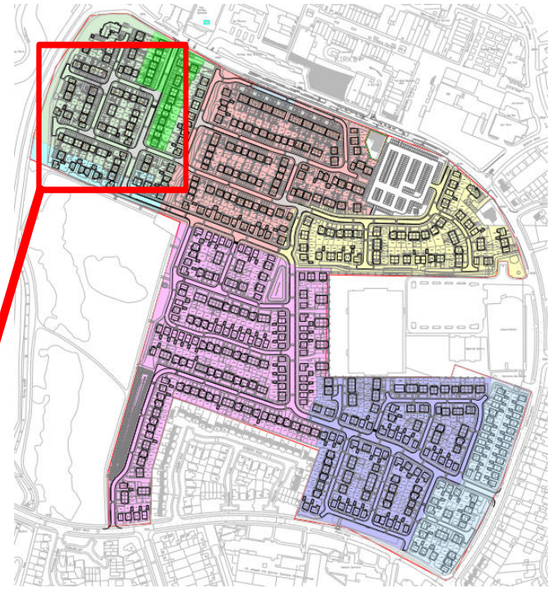
Job Title: Cherryfield Drive, Kirkby

Drawing Title: Post Demolition Exploratory Hole Location Plan - Area 1A

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

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Location Symbols

TS-Ba-101 Approximate Topsoil Sampling Locations

Notes:

Phase	Issue	Date	Drawn	Checked	PM
P1	REVA	14.07.2026	TG	LC	MW

Client: Westshield

Job No: 18-528

Date: 14.07.2026

Drawing No: 034

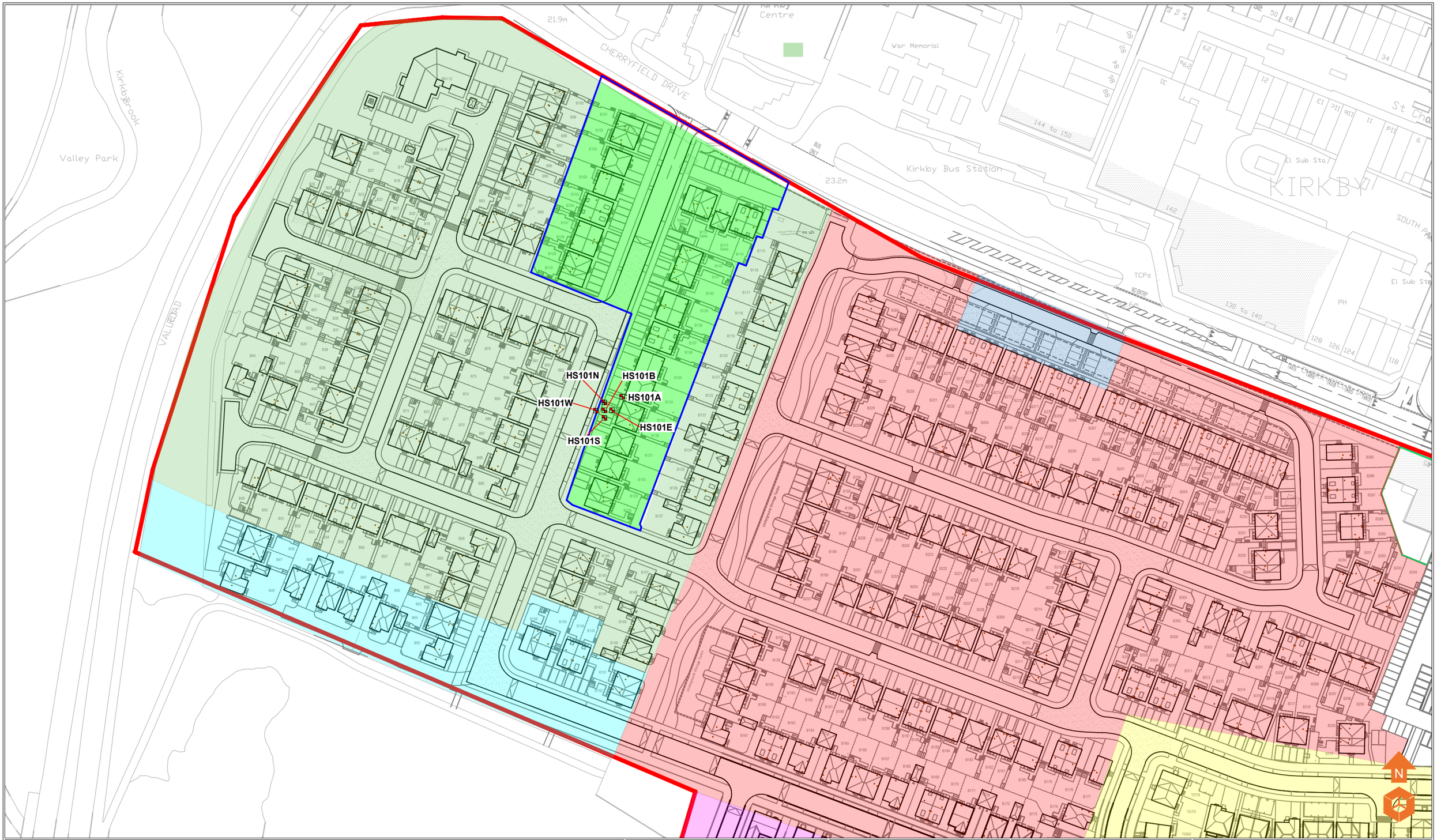
Scale: NTS

Job Title: Cherryfield Drive, Kirkby

Drawing Title: Topsoil Sampling Location Plan - Areas 1A and 1B

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

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Location Symbols

Approximate Hotspot Validation Sample Location

Key

- Area 1a
- Area 1b
- Area 2
- Area 3
- Area 4
- Area 5
- Area 6
- Area 7a
- Area 7b

Notes:

Client: Westshield

Job No: 18-528

Date: 14.07.2026

Drawing No: 035

Scale: NTS

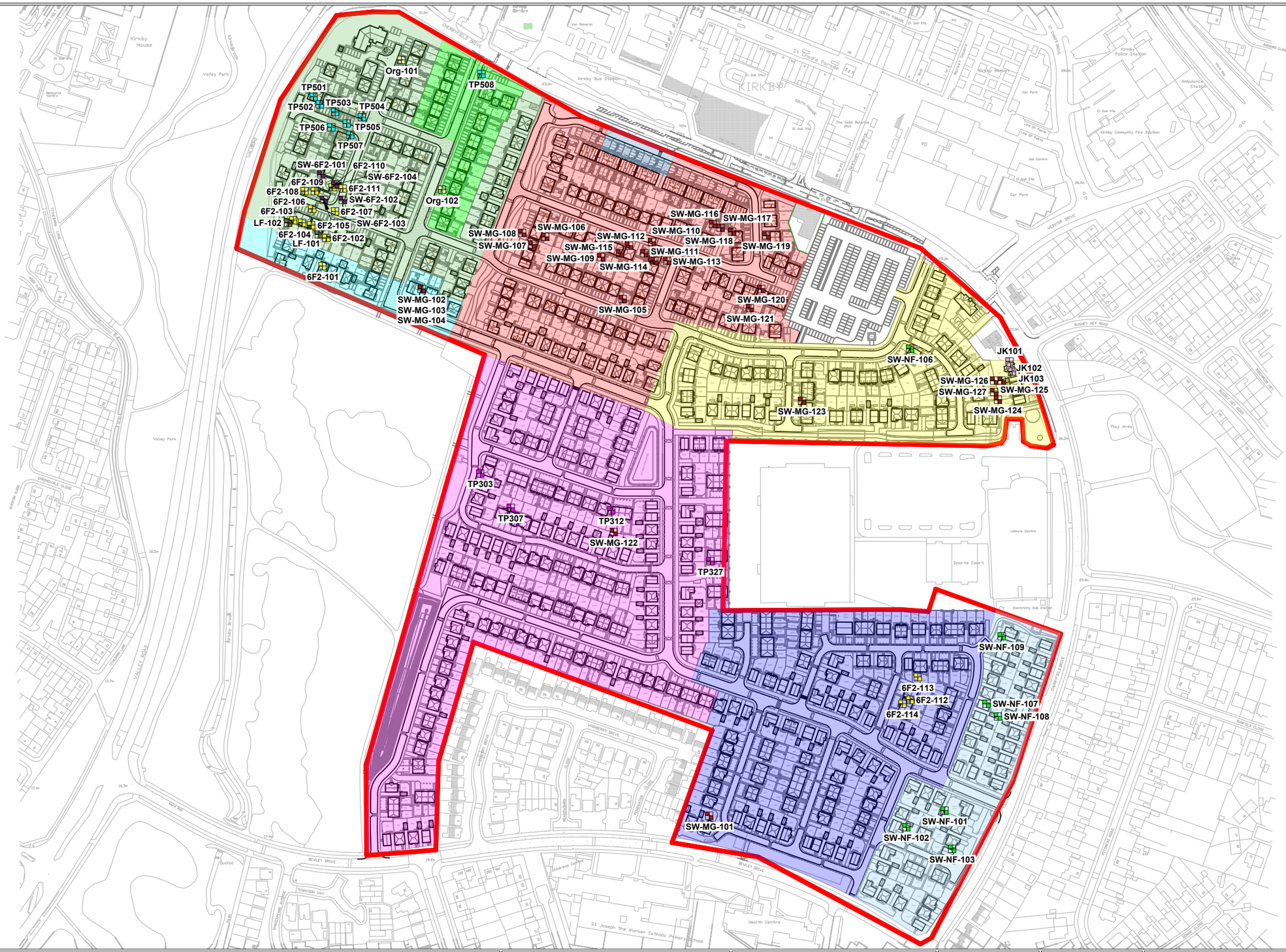
Phase	Issue	Date	Drawn	Checked	PM
P1	REVA	14.07.2026	TG	LC	MW

Job Title: Cherryfield Drive, Kirkby

Drawing Title: Hotspot Validation Sampling Plan - Area 1A

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

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Location Symbols

- Approximate Site-Won Made Ground Sample Location
- Approximate Off-Site Disposal Sample Location
- Approximate Deep Made Ground Trial Pit Sample Location
- Approximate Post Demolition Validation Sample Location
- Approximate Site-Won Made Ground Sample Location
- Approximate Site-Won Natural Fill Sample Location
- Approximate Site-Won Organic Sample Location
- Approximate Imported Materials Sample Location
- Approximate Site Won Materials Sample Location

Key

- Area 1a
- Area 1b
- Area 2
- Area 3
- Area 4
- Area 5
- Area 6
- Area 7a
- Area 7b

Notes:

This drawing relates to site wide chemical testing and is constantly updated throughout the works.

Phase	Issue	Date	Drawn	Checked	PM
P1	REVA	14.07.2026	TG	LC	MW

Client:

Westshield

Job Title:

Cherryfield Drive, Kirkby

Job No: 18-528

Date: 14.07.2026

Drawing No: 036

Scale: NTS

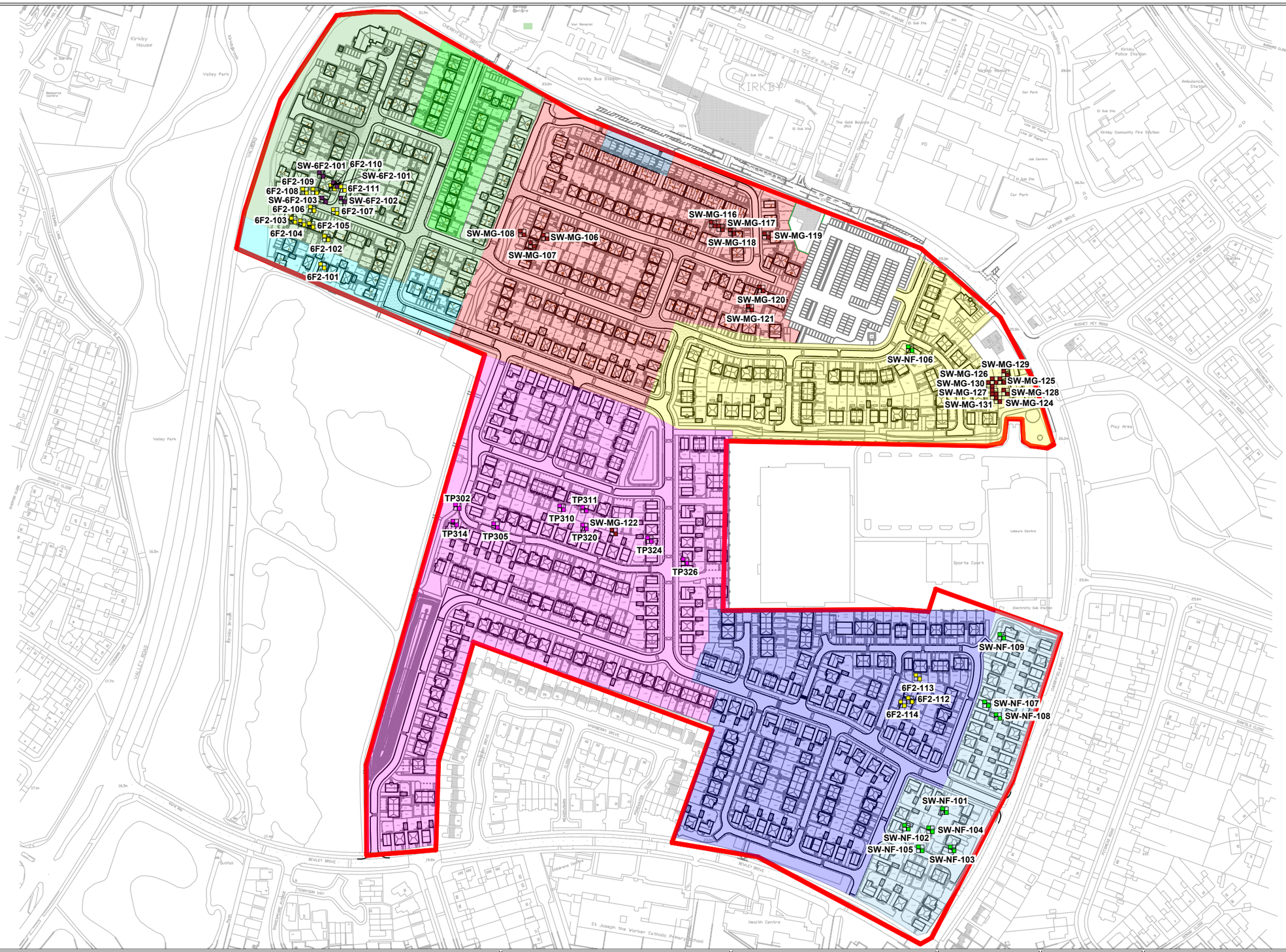
Drawing Title:

Remediation Sampling Plan - Chemical

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

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Location Symbols

- Approximate Site-Won Made Ground Sample Location
- Approximate Deep Made Ground Trial Pit Sample Location
- Approximate Site-Won Natural Fill Sample Location
- Approximate Imported Materials Sample Location
- Approximate Site Won Materials Sample Location

Key

- Area 1a
- Area 1b
- Area 2
- Area 3
- Area 4
- Area 5
- Area 6
- Area 7a
- Area 7b

Notes:

This drawing relates to site wide geotechnical testing and is constantly updated throughout the works.

Client:

Westshield

Job No: 18-528

Date: 14.07.2026

Drawing No: 037

Scale: NTS

Phase	Issue	Date	Drawn	Checked	PM
P1	REVA	14.07.2026	TG	LC	MW

Job Title:

Cherryfield Drive, Kirkby

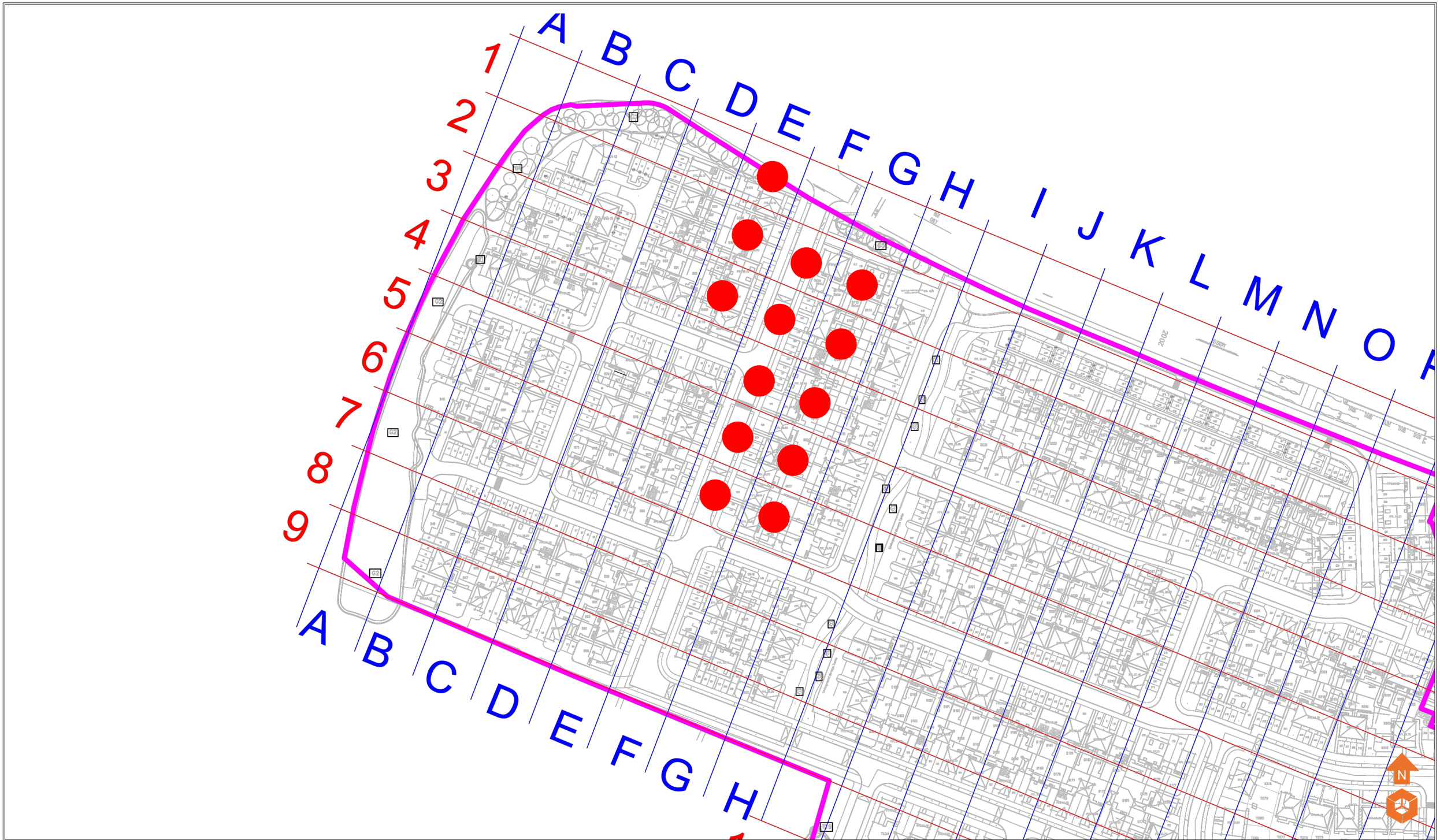
Drawing Title:

Remediation Sampling Plan - Geotechnical

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

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Location Symbols

Approximate NDG Testing Location

Notes:

Phase	Issue	Date	Drawn	Checked	PM
P1	REVA	03.08.2026	TG	LC	MW

Client: Westshield

Job No: 18-528

Date: 03.08.2026

Drawing No: 039

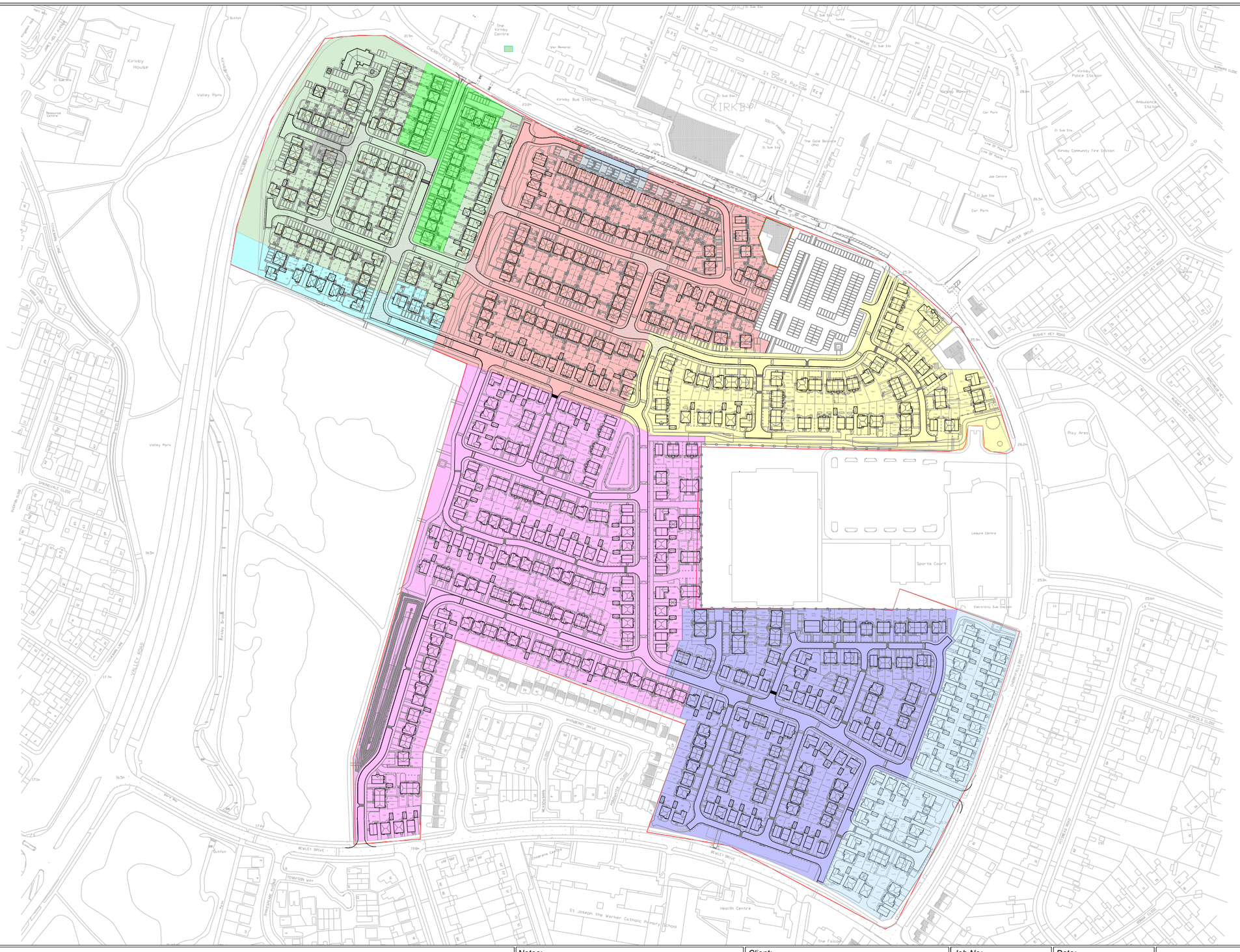
Scale: NTS

Job Title: Cherryfield Drive, Kirkby

Drawing Title: NDG Testing Location Plan – Area 1A

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

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Key

- Area 1a
- Area 1b
- Area 2
- Area 3
- Area 4
- Area 5
- Area 6
- Area 7a
- Area 7b

Notes:

Phase	Issue	Date	Drawn	Checked
P1	REVA	11.06.2026	TG	MW

Client: Westshield

Job No: 18-528

Date: 11.06.2026

Drawing No: 043

Scale: NTS

Job Title: Cherryfield Drive, Kirkby

Drawing Title: Validation Reporting Phasing Plan

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

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CDM HIGH RISK ASSESSMENT

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1) SITE PLAN

(Scale 1:500)

LEGEND

(All positions are approximate unless otherwise stated)
(All references refer to those stated within General Notes)

KEY TO EXISTING FEATURES

(All positions are approximate unless otherwise stated)

- Surveyed buildings (taken from ref. a)
- Surveyed slopes (taken from ref. a)
- Surveyed trees (taken from ref. a)
- Surveyed hedges (taken from ref. a)
- Surveyed fencelines (taken from ref. a)
- Conjectured extent of landfill 205 (taken from ref. l)

KEY TO FORMER FEATURES

(All positions are approximate unless otherwise stated)

- Former buildings (taken from ref. d. e. f & g)
- Former garage (taken from ref. d. e. f & g)
- Former dense vegetation (taken from ref. d. e. f & g)
- Former path (taken from ref. d. e. f & g)
- Former sport pitches (taken from ref. d. e. f & g)
- Former gravel pit circa 1867 (taken from ref. d. e. f & g)
- Former watercourse circa. 1891 - 1927 (taken from ref. d. e. f & g)
- Former watercourse circa. 1867 (taken from ref. d. e. f & g)
- Former hedge / ditchline (taken from ref. d. e. f & g)
- Former pond (taken from ref. d. e. f & g)
- Former slopes (taken from ref. d. e. f & g)

KEY TO EXPLORATORY HOLES

(All positions are approximate unless otherwise stated)

- Window sample boreholes WS601 - WS605 drilled for ALM between 26 & 27 March 2015 (taken from ref. h)
- Cable percussive borehole BH601 - BH606 drilled for ALM between 24 & 30 March 2015 (taken from ref. h)
- Trial pits TP601 - TP651 excavated by ALM between 23 & 27 March 2015 (taken from ref. h)
- Window sample boreholes drilled for Clancy Consulting between 28 & 29 November 2019 (taken from ref. e)
- Trial pits TP01 - TP06 excavated by Clancy Consulting on 28 November 2019 (taken from ref. e)
- Window sample boreholes WS01 - WS13 drilled for Clancy Consulting between 3 & 5 December 2019 (taken from ref. d)
- Window sample boreholes drilled for E3P WS101 - WS171 between 10 - 25 January 2022 (taken from ref. o) WS201 - WS206 on 11 November 2023 (taken from ref. o)
- Dynamic cone penetrometer test locations by E3P [2022] (taken from ref. o)
- Trial pits (and soakaway locations) excavated by E3P: TP101 - TP199 & TP1100 - TP1130 between 10 - 25 January 2022 (taken from ref. o) TP201 - TP212 on 11 November 2023 (taken from ref. o)

Note:
1) E3P exploratory hole location plan contains two exploratory holes referenced TP1102
2) E3P exploratory hole TP1126 contains text without recording location of the exploratory hole

KEY TO TREE CONTOURS

(All positions are approximate unless otherwise stated)

- G2 — Surveyed group of trees (taken from ref. m)
- T2 — Surveyed individual tree (taken from ref. m)
- 3m RPA — Indicates minimum depth of foundation required in areas affected by existing trees/hedgerows with a CLAY subsoil (TREES RETAINED). Not applicable to foundations in a granular subsoil. Dashed lines indicates tree proposed to be removed. (NHBC Standards Chapter 4.2)
- 1.5m — Denotes 1.5m foundation depth contour of existing tree height - for heave precautions. Dashed lines indicates tree proposed to be removed. (NHBC Standards Chapter 4.2)
- 2.5m — Cast foundations within this zone would require prior agreement with NHBC, subject to site specific assessments of tree influence >2.5m.

Note:
1)These tree contours and heave line will require amendment should LABC be utilised as Building Control.

KEY TO PROPOSED FEATURES

(All positions are approximate unless otherwise stated)

- (FFL 20.60) — Slab levels (taken from ref. b)
- Slab split (taken from ref. b)
- Underbuild (taken from ref. b)
- Tanking (taken from ref. b)
- Flag on edge (taken from ref. b)
- Gravel board (taken from ref. b)
- Retaining wall (taken from ref. b)
- Site boundary (taken from ref. n)

2) ANTICIPATED FOUNDATION TYPES

- **Ts** — TRADITIONAL STRIP FOUNDATION. Refer to sheet 5 for details.
- **DTs** — DEEP STRIP FOUNDATION. Refer to sheet 5 for details.
- **Tf** — MASS CONCRETE TRENCHFILL FOUNDATION. Refer to sheet 5 for details.
- **TfH** — MASS CONCRETE TRENCHFILL WITH HEAVE PRECAUTIONS. Refer to sheet 5 for details.
- **Rn** — NOMINALLY REINFORCED STRIP FOUNDATION. Refer to sheet 5 for details.
- **V** — DOUBLY REINFORCED STRIP FOUNDATIONS ON VIBRO STONE COLUMNS. Refer to sheet 5 for details.
- **DRn** — DEEP NOMINALLY REINFORCED STRIP FOUNDATION. Refer to sheet 5 for details.
- **P** — PILED FOUNDATIONS WITH ASSOCIATED REINFORCED CONCRETE GROUND BEAMS. Refer to sheet 5 for details.
- **PH** — PILED FOUNDATIONS WITH ASSOCIATED REINFORCED CONCRETE GROUND BEAMS WITH HEAVE PRECAUTIONS. Refer to sheet 5 for details.
- FOUNDATION ANOMALIES. Indicates foundations and slabs which may be affected by trial pits, trees / hedges or former features. The foundation and slab type indicated may have to be amended and appropriate foundations and slabs adopted to suit local ground conditions exposed at the time of construction and agreed with NHBC/Local Authority Inspectors.

3) GROUND GAS

The latest ground gas assessment (refer to General Notes 1.q)) details parts of the site that are subject to Characteristic Situation 2 protection measures. One area currently classified a Characteristic Situation 4 is slated to be subject to further post remediation monitoring. The report recommends the full ground gas assesment and proposals are agreed with the Local Authority prior to commencing on site.

4) CONTAMINATION

A final contaminated land risk assessment is completed and detailed with General Notes 1.r). The report outlines the build phase remediation requirement of inert cover for all front and rear gardens, public open spaces and landscaping.

5) FOUNDATION ANOMALIES

Backfilled trial pits, or historical features (such as recorded former walls) may be encountered during foundation excavations as noted on the plot specific remarks on the table. The following procedures should be adopted where such features are encountered:

1) Start foundation excavations in areas of potential anomaly to locate any features present.
2) When likely foundation anomaly is identified halt the foundation excavation - DO NOT attempt to dig out areas where fills may be deep.
3) Record the location of the feature relative to the proposed footprint and contact Coopers for engineering design. This may include a beam design to span the feature, therefore it is imperative that the deep fills are not excavated prior to confirmation of engineering designs.
4) Do not continue foundation excavations for the plot until directly advised to do so by David Wilson Homes Office or Coopers.

SCALEBAR(m) 0 5 10 15 20 25 30 35 40 45 50

REVISION BOX				
Rev.	Date	Revision	By	Appd.
F	13.05.26	Planning layout and external works updated. Sheets 9 - 11 added. Foundation table updated. Vibro notes added.	AH	AW
E	28.11.25	Assessment updated to 4-corner. Tree contours updated in line with updated tree survey. Planning layout, topographical survey and external works updated. Sheet 8 added. Foundation table updated accordingly.	AH	AW
D	16.09.24	Latest E3P exploratory holes added. Planning layout and external works updated. Tree contours updated. Foundation types reassessed.	OS/AH	AW
C	12.10.23	Planning layout updated. Converted to one point assessment	OS	AW
B	21.07.22	Fd table added to plan.	OS	BH
A	14.07.22	Foundation types updated. Fd table removed.	OS	BH

Plots assigned for vibro stone column ground improvement and double reinforced strip foundations were previously assigned as pile foundations and changed to vibro at the request of David Wilson Homes. Feasibility of vibro is subject to the specialist contractor's review of ground conditions and earthworks where needed. Where there is tree influence, cohesive material will require removal to the associated depth of influence as a minimum. Where tree influence exceeds 2.5m depth and cohesive material is present, the feasibility for vibro in these areas should be consulted with the NHBC as the NHBC Standards is limited to 2.5m depth, and piling may be necessary.

ASSESSMENT IS PRELIMINARY & SUBJECT TO ADDITIONAL SITE INVESTIGATION POST REMEDIATION AND SITE STRIP

NORTH

GENERAL NOTES

1. This drawing is to be read in conjunction with the following:-
   a) Survey Eng Ltd, Cherryfield Drive, Kirky, Topographical Land Survey, ref. DWH.TS.04, rev. F, dated 07 August 2025.
   b) Coopers, Cherryfield Drive, Kirkby, External Works Layout, ref. 7778/08/01, rev. B, dated 01 April 2026, 7778/08/02-05, rev. C, dated 28 April 2025, 7778/08/05, rev. D, dated 27 April 2026, 7778/08/06, rev. C & 7778/08/07-08, rev. B, dated 01 April 2026.
   c) Merpolitan Borough of Knowsley, Assets Service, Land at Cherryfield Drive, Kirkby, ref. AS/0840/2020, dated 02 December 2020.
   d) Clancy Consulting, Geo-Environmental Appraisal Report for Knowsley Community College, Liverpool, ref. 10/1533/001, dated December 2020.
   e) Clancy Consulting, Preliminary Geoenvironmental Appraisal Report for Phase 2 Site, Cherryfield Drive, Knowsley, ref. 10/1519/001, dated May 2020.
   f) Clancy Consulting, Preliminary Geoenvironmental Appraisal Report for Phase 3 Site, Cherryfield Drive, Knowsley, ref. 10/1519/002, dated May 2020.
   g) REC, Geo-environmental Site Assessment, Site off Cherryfield Drive, ref. 45759Fp1r0, dated September 2014.
   h) ALM Consult, Geoenvironmental Appraisal, Cherryfield Drive, Kirkby, ref. 30090/11, dated September 2015.
   i) Coopers, Site Plan, Bewley Drive, Kirkby, ref. 971820/01, Rev. D, dated 07 January 2001.
   j) Coopers, Site Plan, Bewley Drive, Kirkby, ref. 971820/01, Rev. B, dated 02 June 1998.
   k) Coopers, Foundation Plan, Beweley Drive, Kirkby, Nr. Liverpool, ref. 971820/Fd, rev. B, dated 29 May 2002.
   l) Coopers, Geological Plan, Bewley Drive, Knowsley, Community College, Kirkby, ref. 971820/A/GL, dated 08 February 2000.
   m) Seed, Cherryfield Drive, Kirkby, Arboricultural Impact Assessment, ref. 1321-AIA/V1-B, dated 14 March 2024 (original tree data from 2021).
   n) DWG [Planning Layout], ref. 'HA010-DWH-XX-XX-DR-UD-203004-P04', received by Coopers on 03 February 2026.
   o) E3P, Phase I & II GeoEnvironmental Site Assessment, Cherryfield Drive, ref. 15-280-R1-4, dated May 2024.
   p) DWG File [E3P exploratory hole plan] ref. 'CLIENT DWG - EHLP', received by Coopers on 21 August 2024.
   q) E3P, Cherryfield Drive, Ground Gas Addendum Report, ref. 15-280-R3-1, dated April 2025.
   r) E3P, Cherryfield Drive, Remediation and Enabling Works Strategy, Report, ref. 15-280-R2-6 dated June 2025.
2. The foundation types indicated are based upon the facts established from observations and field tests during the trial pit investigations. It should be recognised that natural strata may vary considerably from point to point and the groundwater regime may be influenced by seasonal or other factors. The foundation types indicated are therefore for 'GUIDANCE PURPOSES ONLY' and should be constantly reviewed in the light of the actual conditions exposed on site during the construction work.
3. The tree contours show the minimum depth required for foundations below ground level in clay soils within influencing distance of trees/hedgerow - i.e. trees to be retained and trees to be removed. The 'ground level' shall be determined in accordance with the NHBC Standards Chapter 4.2 'Building Near Trees'.
4. Trees or hedgerows which are to be planted must be considered. No allowance has been made for them on this drawing as it is assumed that any proposed trees and or hedgerows will be sited to avoid affecting any proposed dwelling foundation.
5. The shrinkability of the cohesive soil strata on this site has been determined as MEDIUM in accordance with NHBC Standards Chapter 4.2.
6. Where necessary foundations should be stepped in accordance with current NHBC recommendations.
7. This drawing should not be relied upon for housetype names / references.

BASIS OF ASSESSMENT AND GUIDANCE ON FOUNDATION CONSTRUCTION:

General
-The foundations are based upon inferring ground conditions from exploratory holes by third parties. In areas where variable ground conditions occur the precise locations of the exploratory holes would be required to allow accurate assessments of the ground conditions for plot specific assessments.
-No information has been provided to indicate the location of the exploratory holes have been surveyed. Some E3P exploratory hole locations have been based on a CAD file received on 21 August 2024 (ref. 1.p).
-The foundation types have been proposed based upon the developer's commercial preferences for foundation types with depths
-It is acknowledged that trench stability can influence the suitability of foundation construction and we would advocate trial excavations with the developer and contractors to appraise the influence, limitations and changes/measures that can be adopted.
-It is acknowledged that trench stability can influence the suitability of foundation construction and we would advocate trial excavations with the developer and contractors to appraise the influence, limitations and changes/measures that can be adopted.

Investigation Areas
-Specific features from the historical Ordnance Survey maps have been accurately overlaid to disclose potential abnormal ground conditions. Specific targeting and delineation of these features are required to enable an accurate assessment.
-The remarks section of the foundation schedule details plot specific features likely to be encountered which would be prudent to consider for further investigation prior to construction.
-Where the ground conditions differ from those indicated in this drawing we would advocate the developer contacts Coopers to confirm or recommend procedures for reappraisals prior to casting the foundations, and may require further ground investigation.

External Works
-The foundation schedule includes specific designs to account for the proposed slab levels and underbuild.
-Where retaining walls are proposed in close proximity to plots, the foundations may need to be constructed at the same time as the plot/garage foundations, and specific discussions with Coopers structural engineers are recommended should potential conflicts be considered.
-The assessments make no account of proposed utilities excavations and should deep excavations be proposed the formation depths should be appraised to determine if these need to be set a lower level.

Tree Influence and Formation Depths
-The tree survey (as referenced in General Note 1.m)) was current at the time of the original revision of this drawing. The developer should be aware that trees which are <¾ mature height may be subject to substantial changes in growth over time and therefore reappraisals of tree heights and foundation depths at the time of construction/felling may be required.
-The tree influence depths in clay strata are recorded on the foundation schedule (where applicable) and must be considered as the minimum foundation depths. Outside of these areas shallower foundations may be possible, subject to engineering approvals.
-The foundations have set minimum formation levels from proposed ground levels in accordance with NHBC Guidance. These do not include formation depths that account for potential seasonal variations in the shallow ground conditions. Subject to the time of year of the construction, foundation depths may be increased, subject to inspection by Building Control/Insurers.
-The foundations have not included designs to account for plant/hedge/tree planting. We would advocate the arboricultural consultants are advised to be sympathetic to the potential shrink-swell behaviour of clays (where present) and should avoid planting any trees close to buildings, and avoid all tall and/or higher water demand species, where possible.
-Should the tree planting be considered likely to change the formation depths then this should be reappraised prior to casting foundations or planting of trees.
-Currently the NHBC have a cut off for the maximum depth of trenchfill foundation for plots which are impacted by existing trees of 2.50m. Where tree contours take foundations deeper than this depth, piled foundations should be adopted unless agreed otherwise with the NHBC.
-The areas referenced as founding on weathered bedrock are anticipated to be recovered as a red-brown sand. The formation levels do not have to be continued to refusal with formation on consistent strata.
-Foundations formed on weathered bedrock should not step into glacial till (sands and clays) due to differential settlement that occurs as a result of variations in bearing capacity.
-Some trees surveyed originally in 2021 are no longer shown on the revised survey on 2024. As it is unknown if / when the trees were felled or cleared, and as tree influence is anticipated to remain for some years after removal, these original trees have been left in the assessment and ground model, with consideration of growth since 2021(see below), as a precautionary measure.
-With the original tree survey dated November 2021, 4 No. growing seasons have occurred by the time of this assessment and are subject to 4 years growth. As per Dave Travis' (NHBC) email to Coopers dated 27 November 2019, a consideration of 1m growth per year has been applied to trees which were on the original survey but no longer on the updated survey, to account for this assessment.

coopers
chartered consulting engineers
Park House
Sandpiper Court
Chester Business Park
Chester
CH4 9QU
Tel: 01244 684910
Email: admin@coopers.co.uk
Web: http://coopers.co.uk

Client: DAVID WILSON HOMES — WHERE QUALITY LIVES

Project: Cherryfield Drive, Kirkby.

Title: FOUNDATION PLAN SHEET 1 OF 11

DRAWING NUMBER	SCALE at A0	1:500	
7887 / Fd / 01	DATE	08.07.22	REVISION
	DRAWN	AH / OS	F
	CHECKED	BH	

DO NOT SCALE

1) SITE PLAN

(Scale 1:500)

NORTH

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FOR GUIDANCE PURPOSES ONLY

LEGEND

(All positions are approximate unless otherwise stated)
(All references refer to those stated within General Notes)

KEY TO EXISTING FEATURES

(All positions are approximate unless otherwise stated)

- Surveyed buildings (taken from ref. a)
- Surveyed slopes (taken from ref. a)
- Surveyed trees (taken from ref. a)
- Surveyed hedges (taken from ref. a)
- Surveyed fencelines (taken from ref. a)
- Conjectured extent of landfill 205 (taken from ref. l)

KEY TO FORMER FEATURES

(All positions are approximate unless otherwise stated)

- Former buildings (taken from ref. d. e. f & g)
- Former garage (taken from ref. d. e. f & g)
- Former dense vegetation (taken from ref. d. e. f & g)
- Former path (taken from ref. d. e. f & g)
- Former sport pitches (taken from ref. d. e. f & g)
- Former gravel pit circa 1867 (taken from ref. d. e. f & g)
- Former watercourse circa. 1891 - 1927 (taken from ref. d. e. f & g)
- Former watercourse circa. 1867 (taken from ref. d. e. f & g)
- Former hedge / ditchline (taken from ref. d. e. f & g)
- Former pond (taken from ref. d. e. f & g)
- Former slopes (taken from ref. d. e. f & g)

KEY TO EXPLORATORY HOLES

(All positions are approximate unless otherwise stated)

- Window sample boreholes WS601 - WS605 drilled for ALM between 26 & 27 March 2015 (taken from ref. h)
- Cable percussive borehole BH601 - BH606 drilled for ALM between 24 & 30 March 2015 (taken from ref. h)
- Trial pits TP601 - TP651 excavated by ALM between 23 & 27 March 2015 (taken from ref. h)
- Window sample boreholes drilled for Clancy Consulting between 28 & 29 November 2019 (taken from ref. e)
- Trial pits TP01 - TP06 excavated by Clancy Consulting on 28 November 2019 (taken from ref. e)
- Window sample boreholes WS01 - WS13 drilled for Clancy Consulting between 3 & 5 December 2019 (taken from ref. d)
- Window sample boreholes WS101 - WS171 drilled for between 10 - 25 January 2022 (taken from ref. o)
- Dynamic cone penetrometer test locations by E3P [2022] (taken from ref. o)
- Trial pits (and soakaway locations) TP101 - TP199 & TP1100 - TP1130 excavated by E3P between 10 - 25 January 2022 (taken from ref. o)

Note:
1) E3P exploratory hole location plan contains two exploratory holes referenced TP1102
2) E3P exploratory hole TP1126 contains text without recording location of the exploratory hole

KEY TO TREE CONTOURS

(All positions are approximate unless otherwise stated)

- G2 — Surveyed group of trees (taken from ref. m)
- T2 — Surveyed individual tree (taken from ref. m)
- Indicates minimum depth of foundation required in areas affected by existing trees/hedgerows with a CLAY subsoil (TREES RETAINED). Not applicable to foundations in a granular subsoil. Dashed lines indicates tree proposed to be removed. (NHBC Standards Chapter 4.2)
- Denotes 1.5m foundation depth contour of existing tree height - for heave precautions. Dashed lines indicates tree proposed to be removed. (NHBC Standards Chapter 4.2)
- Cast foundations within this zone would require prior agreement with NHBC, subject to site specific assessments of tree influence >2.5m.

Note:
1) These tree contours and heave line will require amendment should LABC be utilised as Building Control.

KEY TO PROPOSED FEATURES

(All positions are approximate unless otherwise stated)

- Slab levels (taken from ref. b)
- Slab split (taken from ref. b)
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2) ANTICIPATED FOUNDATION TYPES

- **Ts** — TRADITIONAL STRIP FOUNDATION. Refer to sheet 5 for details.
- **DTs** — DEEP STRIP FOUNDATION. Refer to sheet 5 for details.
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- **TfH** — MASS CONCRETE TRENCHFILL WITH HEAVE PRECAUTIONS. Refer to sheet 5 for details.
- **Rn** — NOMINALLY REINFORCED STRIP FOUNDATION. Refer to sheet 5 for details.
- **V** — DOUBLY REINFORCED STRIP FOUNDATIONS ON VIBRO STONE COLUMNS. Refer to sheet 5 for details.
- **DRn** — DEEP NOMINALLY REINFORCED STRIP FOUNDATION. Refer to sheet 5 for details.
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- FOUNDATION ANOMALIES. Indicates foundations and slabs which may be affected by trial pits, trees / hedges or former features. The foundation and slab type indicated may have to be amended and appropriate foundations and slabs adopted to suit local ground conditions exposed at the time of construction and agreed with NHBC/Local Authority Inspectors.

Plots assigned for vibro stone column ground improvement and double reinforced strip foundations were previously assigned as pile foundations and changed to vibro at the request of David Wilson Homes. Feasibility of vibro is subject to the specialist contractor's review of ground conditions and earthworks where needed. Where there is tree influence, cohesive material will require removal to the associated depth of influence as a minimum. Where tree influence exceeds 2.5m depth and cohesive material is present, the feasibility for vibro in these areas should be consulted with the NHBC as the NHBC Standards is limited to 2.5m depth, and piling may be necessary.

ASSESSMENT IS PRELIMINARY & SUBJECT TO ADDITIONAL SITE INVESTIGATION POST REMEDIATION AND SITE STRIP

3) GROUND GAS

The latest ground gas assessment (refer to General Notes 1.q)) details parts of the site that are subject to Characteristic Situation 2 protection measures. One area currently classified a Characteristic Situation 4 is stated to be subject to further post remediation monitoring. The report recommends the full ground gas assessment and proposals are agreed with the Local Authority prior to commencing on site.

4) CONTAMINATION

A final contaminated land risk assessment is completed and detailed with General Notes 1.r). The report outlines the build phase remediation requirement of inert cover for all front and rear gardens, public open spaces and landscaping.

5) FOUNDATION ANOMALIES

Backfilled trial pits, or historical features (such as recorded former walls) may be encountered during foundation excavations as noted on the plot specific remarks on the table. The following procedures should be adopted where such features are encountered:

1) Start foundation excavations in areas of potential anomaly to locate any features present.
2) When likely foundation anomaly is identified halt the foundation excavation - DO NOT attempt to dig out areas where fills may be deep.
3) Record the location of the feature relative to the proposed footprint and contact Coopers for engineering design. This may include a beam design to span the feature, therefore it is imperative that the deep fills are not excavated prior to confirmation of engineering designs.
4) Do not continue foundation excavations for the plot until directly advised to do so by David Wilson Homes Office or Coopers.

REVISION BOX				
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F	13.05.26	Planning layout and external works updated. Sheets 9 - 11 added. Foundation table updated. Vibro notes added.	AH	AW
E	28.11.25	Assessment updated to 4-corner. Tree contours updated in line with updated tree survey. Planning layout, topographical survey and external works updated. Sheet 8 added. Foundation table updated accordingly.	AH	AW
D	16.09.24	Latest E3P exploratory holes added. Planning layout and external works updated. Tree contours updated. Foundation types reassessed.	OS/AH	AW
C	12.10.23	Planning layout updated. Converted to one point assessment	OS	AW
B	21.07.22	Fd table added to plan.	OS	BH
A	14.07.22	Foundation types updated. Fd table removed.	OS	BH

0 5 10 15 20 25 30 35 40 45 50
SCALEBAR (m)

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   q) E3P, Cherryfield Drive, Ground Gas Addendum Report, ref. 15-280-R3-1, dated April 2025.
   r) E3P, Cherryfield Drive, Remediation and Enabling Works Strategy, Report, ref. 15-280-R2-6 dated June 2025.
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3. The tree contours show the minimum depth required for foundations below ground level in clay soils within influencing distance of trees/hedgerow - i.e. trees to be retained and trees to be removed. The 'ground level' shall be determined in accordance with the NHBC Standards Chapter 4.2 'Building Near Trees'.
4. Trees or hedgerows which are to be planted must be considered. No allowance has been made for them on this drawing as it is assumed that any proposed trees and or hedgerows will be sited to avoid affecting any proposed dwelling foundation.
5. The shrinkability of the cohesive soil strata on this site has been determined as MEDIUM in accordance with NHBC Standards Chapter 4.2.
6. Where necessary foundations should be stepped in accordance with current NHBC recommendations.
7. This drawing should not be relied upon for housetype names / references.

BASIS OF ASSESSMENT AND GUIDANCE ON FOUNDATION CONSTRUCTION:

General
-The foundations are based upon inferring ground conditions from exploratory holes by third parties. In areas where variable ground conditions occur the precise locations of the exploratory holes would be required to allow accurate assessments of the ground conditions for plot specific assessments.
-No information has been provided to indicate the location of the exploratory holes have been surveyed. Some E3P exploratory hole locations have been based on a CAD file received on 21 August 2024 (ref. 1.p).
-The foundation types have been proposed based upon the developer's commercial preferences for foundation types with depths
-It is acknowledged that trench stability can influence the suitability of foundation construction and we would advocate trial excavations with the developer and contractors to appraise the influence, limitations and changes/measures that can be adopted.
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-The remarks section of the foundation schedule details plot specific features likely to be encountered which would be prudent to consider for further investigation prior to construction.
-Where the ground conditions differ from those indicated in this drawing we would advocate the developer contacts Coopers to confirm or recommend procedures for reappraisal prior to casting the foundations, and may require further ground investigation.

External Works
-The foundation schedule includes specific designs to account for the proposed slab levels and underbuild.
-Where retaining walls are proposed in close proximity to plots, the foundations may need to be constructed at the same time as the plot/garage foundations, and specific discussions with Coopers structural engineers are recommended should potential conflicts be considered.
-The assessments make no account of proposed utilities excavations and should deep excavations be proposed the formation depths should be appraised to determine if these need to be set a lower level.

Tree Influence and Formation Depths
-The tree survey (as referenced in General Note 1.m)) was current at the time of the original revision of this drawing. The developer should be aware that trees which are <] mature height may be subject to substantial changes in growth over time and therefore reappraisals of tree heights and foundation depths at the time of construction/felling may be required.
-The tree influence depths in clay strata are recorded on the foundation schedule (where applicable) and must be considered as the minimum foundation depths. Outside of these areas shallower foundations may be possible, subject to engineering approvals.
-The foundations have set minimum formation levels from proposed ground levels in accordance with NHBC Guidance. These do not include formation depths that account for potential seasonal variations in the shallow ground conditions. Subject to the time of year of the construction, foundation depths may be increased, subject to inspection by Building Control/Insurers.
-The foundations have not included designs to account for plant/hedge/tree planting. We would advocate the arboricultural consultants are advised to be sympathetic to the potential shrink-swell behaviour of clays (where present) and should avoid planting any trees close to buildings, and avoid all tall and/or higher water demand species, where possible.
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-The areas referenced as founding on weathered bedrock are anticipated to be recovered as a red-brown sand. The formation levels do not have to be continued to refusal with formation on consistent strata.
-Foundations formed on weathered bedrock should not step into glacial till (sands and clays) due to differential settlement that occurs as a result of variations in bearing capacity.
-Some trees surveyed originally in 2021 are no longer shown on the revised survey on 2024. As it is unknown if / when the trees were felled or cleared, and as tree influence is anticipated to remain for some years after removal, these original trees have been left in the assessment and ground model, with consideration of growth since 2021(see below), as a precautionary measure.
-With the original tree survey dated November 2021, 4 No. growing seasons have occurred by the time of this assessment and are subject to 4 years growth. As per Dave Travis' (NHBC) email to Coopers dated 27 November 2019, a consideration of 1m growth per year has been applied to trees which were on the original survey but no longer on the updated survey, to account for this assessment.

coopers
chartered consulting engineers
Park House
Sandpiper Court
Chester Business Park
Chester
CH4 9QU
Tel: 01244 684910
Email: admin@coopers.co.uk
Web: http://coopers.co.uk

Client: DAVID WILSON HOMES — WHERE QUALITY LIVES

Project: Cherryfield Drive, Kirkby.

Title: FOUNDATION PLAN SHEET 2 OF 11

DRAWING NUMBER	SCALE at A0	1:500	
7887 / Fd / 02	DATE	08.07.22	REVISION
	DRAWN	AH / OS	F
	CHECKED	BH	

DO NOT SCALE | © Copyright | The original of this drawing contained coloured symbols and/or features. Any black and white reproduction should not be relied upon.

1) SITE PLAN

(Scale 1:500)

NORTH

THIS DRAWING SHOULD ONLY BE PRINTED IN COLOUR

CDM HIGH RISK ASSESSMENT

FOR ALL RISKS REFER TO DAVID WILSON HOMES DESIGN RISK ASSESSMENT PACKAGE

FOR GUIDANCE PURPOSES ONLY

LEGEND

(All positions are approximate unless otherwise stated)
(All references refer to those stated within General Notes)

- Surveyed buildings (taken from ref. a)
- Surveyed slopes (taken from ref. a)
- Surveyed trees (taken from ref. a)
- Surveyed hedges (taken from ref. a)
- Surveyed fencelines (taken from ref. a)
- Conjectured extent of landfill 205 (taken from ref. I)

KEY TO FORMER FEATURES

(All positions are approximate unless otherwise stated)

- Former buildings (taken from ref. d. e. f & g)
- Former dense vegetation (taken from ref. d. e. f & g)
- Former path (taken from ref. d. e. f & g)
- Former sport pitches (taken from ref. d. e. f & g)
- Former electricity pylons / electric line (taken from ref. d. e. f & g)
- Former gravel pit circa 1867 (taken from ref. d. e. f & g)
- Former watercourse circa. 1891 - 1927 (taken from ref. d. e. f & g)
- Former watercourse circa. 1867 (taken from ref. d. e. f & g)
- Former hedge / ditchline (taken from ref. d. e. f & g)
- Former slopes (taken from ref. d. e. f & g)

KEY TO EXPLORATORY HOLES

(All positions are approximate unless otherwise stated)

- Trial pits excavated by Coopers: No's. 1 to 14 excavated on 22 May 1997, No's. 15 to 32 excavated between 18 July & 27 December 2001 (taken from ref. i)
- Boreholes drilled by Exploration Associates on 6 & 7 January 1998 (taken from ref. k)
- Approximate position of holes for spike survey by Coopers on 05 May 1998 (taken from ref. j)
- Window sample boreholes WS601 - WS605 drilled for ALM between 26 & 27 March 2015 (taken from ref. h)
- Cable percussive borehole BH601 - BH606 drilled for ALM between 24 & 30 March 2015 (taken from ref. h)
- Trial pits TP601 - TP651 excavated by ALM between 23 & 27 March 2015 (taken from ref. h)
- Window sample boreholes drilled for Clancy Consulting between 28 & 29 November 2019 (taken from ref. e)
- Window sample boreholes WS101 - WS171 drilled for between 10 - 25 January 2022 (taken from ref. o)
- Dynamic cone penetrometer test locations by E3P [2022] (taken from ref. o)
- Trial pits (and soakaway locations) TP101 - TP199 & TP1100 - TP1130 excavated by E3P between 10 - 25 January 2022 (taken from ref. o)

Note:
1) E3P exploratory hole location plan contains two exploratory holes referenced TP1102
2) E3P exploratory hole TP1126 contains text without recording location of the exploratory hole

KEY TO TREE CONTOURS

(All positions are approximate unless otherwise stated)

- G2 — Surveyed group of trees (taken from ref. m)
- T2 — Surveyed individual tree (taken from ref. m)
- 300 — Indicates minimum depth of foundation required in areas affected by existing trees/hedgerows with a CLAY subsoil (TREES RETAINED). Not applicable to foundations in a granular subsoil. Dashed lines indicates tree proposed to be removed. (NHBC Standards Chapter 4.2)
- 2500 — Denotes 1.5m foundation depth contour of existing tree height - for heave precautions. Dashed lines indicates tree proposed to be removed. (NHBC Standards Chapter 4.2)
- Cast foundations within this zone would require prior agreement with NHBC, subject to site specific assessments of tree influence >2.5m.

Note:
1)These tree contours and heave line will require amendment should LABC be utilised as Building Control.

KEY TO PROPOSED FEATURES

(All positions are approximate unless otherwise stated)

- (FFL 26.00) — Slab levels (taken from ref. b)
- Slab split (taken from ref. b)
- Underbuild (taken from ref. b)
- Tanking (taken from ref. b)
- Flag on edge (taken from ref. b)
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SCALE BAR (m): 0 5 10 15 20 25 30 35 40 45 50

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coopers
chartered consulting engineers
Park House
Sandpiper Court
Chester Business Park
Chester
CH4 9QU
Tel: 01244 684910
Email: admin@coopers.co.uk
Web: http://coopers.co.uk

Client: DAVID WILSON HOMES — WHERE QUALITY LIVES

Project: Cherryfield Drive, Kirkby.

Title: FOUNDATION PLAN SHEET 3 OF 11

DRAWING NUMBER	SCALE at A0	1:500	
7887 / Fd / 03	DATE	08.07.22	REVISION
	DRAWN	AH / OS	F
	CHECKED	BH	

DO NOT SCALE

1) SITE PLAN

(Scale 1:500)

LEGEND

(All positions are approximate unless otherwise stated)
(All references refer to those stated within General Notes)

KEY TO EXISTING FEATURES

(All positions are approximate unless otherwise stated)

- Surveyed buildings (taken from ref. a)
- Surveyed slopes (taken from ref. a)
- Surveyed trees (taken from ref. a)
- Surveyed hedges (taken from ref. a)
- Surveyed fencelines (taken from ref. a)
- Conjectured extent of landfill 205 (taken from ref. l)

KEY TO FORMER FEATURES

(All positions are approximate unless otherwise stated)

- Former buildings (taken from ref. d. e. f & g)
- Former dense vegetation (taken from ref. d. e. f & g)
- Former path (taken from ref. d. e. f & g)
- Former sport pitches (taken from ref. d. e. f & g)
- Former electricity pylons / electric line (taken from ref. d. e. f & g)
- Former gravel pit circa 1867 (taken from ref. d. e. f & g)
- Former watercourse circa. 1891 - 1927 (taken from ref. d. e. f & g)
- Former watercourse circa. 1867 (taken from ref. d. e. f & g)
- Suspected former ditchline circa 1867 (taken from ref. d. e. f & g)
- Former hedge / ditchline (taken from ref. d. e. f & g)
- Former pond (taken from ref. d. e. f & g)
- Former slopes (taken from ref. d. e. f & g)

KEY TO EXPLORATORY HOLES

(All positions are approximate unless otherwise stated)

- Trial pits excavated by Coopers: No's. 1 to 14 excavated on 22 May 1997, No's. 15 to 32 excavated between 18 July & 27 December 2001 (taken from ref. i)
- Boreholes drilled by Exploration Associates on 6 & 7 January 1998 (taken from ref. k)
- Window sample boreholes WS601 - WS605 drilled for ALM between 26 & 27 March 2015 (taken from ref. h)
- Cable percussive borehole BH601 - BH606 drilled for ALM between 24 & 30 March 2015 (taken from ref. h)
- Trial pits TP601 - TP651 excavated by ALM between 23 & 27 March 2015 (taken from ref. h)
- Window sample boreholes WS101 - WS171 drilled for between 10 - 25 January 2022 (taken from ref. o)
- Dynamic cone penetrometer test locations by E3P [2022] (taken from ref. o)
- Trial pits (and soakaway locations) TP101 - TP199 & TP1100 - TP1130 excavated by E3P between 10 - 25 January 2022 (taken from ref. o)

Note:
1) E3P exploratory hole location plan contains two exploratory holes referenced TP1102
2) E3P exploratory hole TP1126 contains text without recording location of the exploratory hole

KEY TO TREE CONTOURS

(All positions are approximate unless otherwise stated)

- G2 — Surveyed group of trees (taken from ref. m)
- T2 — Surveyed individual tree (taken from ref. m)
- 300 — Indicates minimum depth of foundation required in areas affected by existing trees/hedgerows with a CLAY subsoil (TREES RETAINED). Not applicable to foundations in a granular subsoil. Dashed lines indicates tree proposed to be removed. (NHBC Standards Chapter 4.2)
- 1500 — Denotes 1.5m foundation depth contour of existing tree height - for heave precautions. Dashed lines indicates tree proposed to be removed. (NHBC Standards Chapter 4.2)
- 2000 — Cast foundations within this zone would require prior agreement with NHBC, subject to site specific assessments of tree influence >2.5m.

Note:
1) These tree contours and heave line will require amendment should LABC be utilised as Building Control.

KEY TO PROPOSED FEATURES

(All positions are approximate unless otherwise stated)

- FFL 25.00 — Slab levels (taken from ref. b)
- Slab split (taken from ref. b)
- Underbuild (taken from ref. b)
- Tanking (taken from ref. b)
- Flag on edge (taken from ref. b)
- Gravel board (taken from ref. b)
- Retaining wall (taken from ref. b)
- Site boundary (taken from ref. n)

3) GROUND GAS

The latest ground gas assessment (refer to General Notes 1.q)) details parts of the site that are subject to Characteristic Situation 2 protection measures. One area currently classified a Characteristic Situation 4 is stated to be subject to further post remediation monitoring. The report recommends the full ground gas assessment and proposals are agreed with the Local Authority prior to commencing on site.

4) CONTAMINATION

A final contaminated land risk assessment is completed and detailed with General Notes 1.r). The report outlines the build phase remediation requirement of inert cover for all front and rear gardens, public open spaces and landscaping.

5) FOUNDATION ANOMALIES

Backfilled trial pits, or historical features (such as recorded former walls) may be encountered during foundation excavations as noted on the plot specific remarks on the table. The following procedures should be adopted where such features are encountered:

1) Start foundation excavations in areas of potential anomaly to locate any features present.
2) When likely foundation anomaly is identified halt the foundation excavation - DO NOT attempt to dig out areas where fills may be deep.
3) Record the location of the feature relative to the proposed footprint and contact Coopers for engineering design. This may include a beam design to span the feature, therefore it is imperative that the deep fills are not excavated prior to confirmation of engineering designs.
4) Do not continue foundation excavations for the plot until directly advised to do so by David Wilson Homes Office or Coopers.

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Plots assigned for vibro stone column ground improvement and double reinforced strip foundations were previously assigned as pile foundations and changed to vibro at the request of David Wilson Homes. Feasibility of vibro is subject to the specialist contractor's review of ground conditions and earthworks where needed. Where there is tree influence, cohesive material will require removal to the associated depth of influence as a minimum. Where tree influence exceeds 2.5m depth and cohesive material is present, the feasibility for vibro in these areas should be consulted with the NHBC as the NHBC Standards is limited to 2.5m depth, and piling may be necessary.

ASSESSMENT IS PRELIMINARY & SUBJECT TO ADDITIONAL SITE INVESTIGATION POST REMEDIATION AND SITE STRIP

2) ANTICIPATED FOUNDATION TYPES

- Ts — TRADITIONAL STRIP FOUNDATION — Refer to sheet 5 for details.
- DTs — DEEP STRIP FOUNDATION — Refer to sheet 5 for details.
- Tf — MASS CONCRETE TRENCHFILL FOUNDATION — Refer to sheet 5 for details.
- TfH — MASS CONCRETE TRENCHFILL WITH HEAVE PRECAUTIONS — Refer to sheet 5 for details.
- Rn — NOMINALLY REINFORCED STRIP FOUNDATION — Refer to sheet 5 for details.
- V — DOUBLY REINFORCED STRIP FOUNDATIONS ON VIBRO STONE COLUMNS — Refer to sheet 5 for details.
- DRn — DEEP NOMINALLY REINFORCED STRIP FOUNDATION — Refer to sheet 5 for details.
- P — PILED FOUNDATIONS WITH ASSOCIATED REINFORCED CONCRETE GROUND BEAMS — Refer to sheet 5 for details.
- PH — PILED FOUNDATIONS WITH ASSOCIATED REINFORCED CONCRETE GROUND BEAMS WITH HEAVE PRECAUTIONS — Refer to sheet 5 for details.
- FOUNDATION ANOMALIES — Indicates foundations and slabs which may be affected by trial pits, trees / hedges or former features. The foundation and slab type indicated may have to be amended and appropriate foundations and slabs adopted to suit local ground conditions exposed at the time of construction and agreed with NHBC/Local Authority Inspectors.

GENERAL NOTES

1. This drawing is to be read in conjunction with the following:-
   a) Survey Eng Ltd, Cherryfield Drive, Kirby, Topographical Land Survey, ref. DWH.TS.04, rev. F, dated 07 August 2025.
   b) Coopers, Cherryfield Drive, Kirkby, External Works Layout, ref. 7778/08/01, rev. B, dated 01 April 2026, 7778/08/02-05, rev. C, dated 28 April 2025, 7778/08/05, rev. D, dated 27 April 2026, 7778/08/06, rev. C & 7778/08/07-08, rev. B, dated 01 April 2026.
   c) Mercpolitan Borough of Knowsley, Assets Service, Land at Cherryfield Drive, Kirkby, ref. AS/0840/2020, dated 02 December 2020.
   d) Clancy Consulting, Geo-Environmental Appraisal Report for Knowsley Community College, Liverpool, ref. 10/1533/001, dated December 2020.
   e) Clancy Consulting, Preliminary Geoenvironmental Appraisal Report for Phase 2 Site, Cherryfield Drive, Knowsley, ref. 10/1519/001, dated May 2020.
   f) Clancy Consulting, Preliminary Geoenvironmental Appraisal Report for Phase 3 Site, Cherryfield Drive, Knowsley, ref. 10/1519/002, dated May 2020.
   g) REC, Geo-environmental Site Assessment, Site off Cherryfield Drive, ref. 45759Fjr10, dated September 2014.
   h) ALM Consult, Geoenvironmental Appraisal, Cherryfield Drive, Kirkby, ref. 30090/11, dated September 2015.
   i) Coopers, Site Plan, Bewley Drive, Kirkby. ref. 971820/01, Rev. D, dated 07 January 2001.
   j) Coopers, Site Plan, Bewley Drive, Kirkby, ref. 971820/01, Rev. B, dated 02 June 1998.
   k) Coopers, Foundation Plan, Bewley Drive, Kirkby, Nr. Liverpool, ref. 971820/Fd, rev. B, dated 29 May 2002.
   l) Coopers, Geological Plan, Bewley Drive, Knowsley, Community College, Kirkby, ref. 971820/A/GL, dated 08 February 2000.
   m) Seed, Cherryfield Drive, Kirkby, Arboricultural Impact Assessment, ref. 1321-AIA-V1-B, dated 14 March 2024 (original tree data from 2021).
   n) DWG [Planning Layout], ref. '9A010-DWH-XX-XX-DR-UD-203004-P04', received by Coopers on 03 February 2026.
   o) E3P, Phase I & II GeoEnvironmental Site Assessment, Cherryfield Drive, ref. 15-280-R1-4, dated May 2024.
   p) DWG File [E3P exploratory hole plan] ref. 'CLIENT DWG - EHLP', received by Coopers on 21 August 2024.
   q) E3P, Cherryfield Drive, Ground Gas Addendum Report, ref. 15-280-R3-1, dated April 2025.
   r) E3P, Cherryfield Drive, Remediation and Enabling Works Strategy, Report, ref. 15-280-R2-6 dated June 2025.
2. The foundation types indicated are based upon the facts established from observations and field tests during the trial pit investigations. It should be recognised that natural strata may vary considerably from point to point and the groundwater regime may be influenced by seasonal or other factors. The foundation types indicated are therefore for 'GUIDANCE PURPOSES ONLY' and should be constantly reviewed in the light of the actual conditions exposed on site during the construction work.
3. The tree contours show the minimum depth required for foundations below ground level in clay soils within influencing distance of trees/hedgerow - i.e. trees to be retained and trees to be removed. The "ground level' shall be determined in accordance with the NHBC Standards Chapter 4.2 'Building Near Trees'.
4. Trees or hedgerows which are to be planted must be considered. No allowance has been made for them on this drawing as it is assumed that any proposed trees and or hedgerows will be sited to avoid affecting any proposed dwelling foundation.
5. The shrinkability of the cohesive soil strata on this site has been determined as MEDIUM in accordance with NHBC Standards Chapter 4.2.
6. Where necessary foundations should be stepped in accordance with current NHBC recommendations.
7. This drawing should not be relied upon for housetype names / references.

BASIS OF ASSESSMENT AND GUIDANCE ON FOUNDATION CONSTRUCTION:

General

-The foundations are based upon inferring ground conditions from exploratory holes by third parties. In areas where variable ground conditions occur the precise locations of the exploratory holes would be required to allow accurate assessments of the ground conditions for plot specific assessments.
-No information has been provided to indicate the location of the exploratory holes have been surveyed. Some E3P exploratory hole locations have been based on a CAD file received on 21 August 2024 (ref. 1.p).
-The foundation types have been proposed based upon the developer's commercial preferences for foundation types with depths
-It is acknowledged that trench stability can influence the suitability of foundation construction and we would advocate trial excavations with the developer and contractors to appraise the influence, limitations and changes/measures that can be adopted.
-It is acknowledged that trench stability can influence the suitability of foundation construction and we would advocate trial excavations with the developer and contractors to appraise the influence, limitations and changes/measures that can be adopted.

Investigation Areas

-Specific features from the historical Ordnance Survey maps have been accurately overlaid to disclose potential abnormal ground conditions. Specific targeting and delineation of these features are required to enable an accurate assessment.
-The remarks section of the foundation schedule details plot specific features likely to be encountered which would be prudent to consider for further investigation prior to construction.
-Where the ground conditions differ from those indicated in this drawing we would advocate the developer contacts Coopers to confirm or recommend procedures for reappraisals prior to casting the foundations, and may require further ground investigation.

External Works

-The foundation schedule includes specific designs to account for the proposed slab levels and underbuild.
-Where retaining walls are proposed in close proximity to plots, the foundations may need to be constructed at the same time as the plot/garage foundations, and specific discussions with Coopers structural engineers are recommended should potential conflicts be considered.
-The assessments make no account of proposed utilities excavations and should deep excavations be proposed the formation depths should be appraised to determine if these need to be set a lower level.

Tree Influence and Formation Depths

-The tree survey (as referenced in General Note 1.m)) was current at the time of the original revision of this drawing. The developer should be aware that trees which are ≤⅓ mature height may be subject to substantial changes in growth over time and therefore reappraisals of tree heights and foundation depths at the time of construction/felling may be required.
-The tree influence depths in clay strata are recorded on the foundation schedule (where applicable) and must be considered as the minimum foundation depths. Outside of these areas shallower foundations may be possible, subject to engineering approvals.
-The foundations have set minimum formation levels from proposed ground levels in accordance with NHBC Guidance. These do not include formation depths that account for potential seasonal variations in the shallow ground conditions. Subject to the time of year of the construction, foundation depths may be increased, subject to inspection by Building Control/Insurers.
-The foundations have not included designs to account for plant/hedge/tree planting. We would advocate the arboricultural consultants are advised to be sympathetic to the potential shrink-swell behaviour of clays (where present) and should avoid planting any trees close to buildings, and avoid all tall and/or higher water demand species, where possible.
-Should the tree planting be considered likely to change the formation depths then this should be reappraised prior to casting foundations or planting of trees.
-Currently the NHBC have a cut off for the maximum depth of trenchfill foundation for plots which are impacted by existing trees of 2.50m. Where tree contours take foundations deeper than this depth, piled foundations should be adopted unless agreed otherwise with the NHBC.
-The areas referenced as founding on weathered bedrock are anticipated to be recovered as a red-brown sand. The formation levels do not have to be continued to refusal with formation on consistent strata.
-Foundations formed on weathered bedrock should not step into glacial till (sands and clays) due to differential settlement that occurs as a result of variations in bearing capacity.
-Some trees surveyed originally in 2021 are no longer shown on the revised survey on 2024. As it is unknown if / when the trees were felled or cleared, and as tree influence is anticipated to remain for some years after removal, these original trees have been left in the assessment and ground model, with consideration of growth since 2021(see below), as a precautionary measure.
-With the original tree survey dated November 2021, 4 No. growing seasons have occurred by the time of this assessment and are subject to 4 years growth. As per Dave Travis' (NHBC) email to Coopers dated 27 November 2019, a consideration of 1m growth per year has been applied to trees which were on the original survey but no longer on the updated survey, to account for this assessment.

coopers
chartered consulting engineers
Park House
Sandpiper Court
Chester Business Park
Chester
CH4 9QU
Tel: 01244 684910
Email: admin@coopers.co.uk
Web: http://coopers.co.uk

SCALE BAR (m): 0 5 10 15 20 25 30 35 40 45 50

REVISION BOX				
Rev.	Date	Revision	By	Appd.
F	13.05.26	Planning layout and external works updated. Sheets 9 - 11 added. Foundation table updated. Vibro notes added.	AH	AW
E	28.11.25	Assessment updated to 4-corner. Tree contours updated in line with updated tree survey. Planning layout, topographical survey and external works updated. Sheet 8 added. Foundation table updated accordingly.	AH	AW
D	16.09.24	Latest E3P exploratory holes added. Planning layout and external works updated. Tree contours updated. Foundation types reassessed.	OS/AH	AW
C	12.10.23	Planning layout updated. Converted to one point assessment	OS	AW
B	21.07.22	Fd table added to plan.	OS	BH
A	14.07.22	Foundation types updated. Fd table removed.	OS	BH

Client: DAVID WILSON HOMES — WHERE QUALITY LIVES

Project: Cherryfield Drive, Kirkby.

Title: FOUNDATION PLAN SHEET 4 OF 11

DRAWING NUMBER	SCALE at A0	1:500	
7887 / Fd / 04	DATE	08.07.22	REVISION F
	DRAWN	AH / OS	
	CHECKED	BH	

THIS DRAWING SHOULD ONLY BE PRINTED IN COLOUR

FOR GUIDANCE PURPOSES ONLY

CDM HIGH RISK ASSESSMENT
FOR ALL RISKS REFER TO DAVID WILSON HOMES DESIGN RISK ASSESSMENT PACKAGE

Barrat Phase 1 CBR Testing Plan



BARRATS PHASE1 FILL

PLATEAU CUT LEVEL = FFL −450mm

⊕ = FILL DEPTH FROM CUT LEVEL DOWN[−] TO NATURAL

PILE MAT LEVEL = FFL −850mm{300thk}

PLOT CUT LEVEL = FFL −1.050mm

GARDENS CUT LEVEL = FFL −750mm

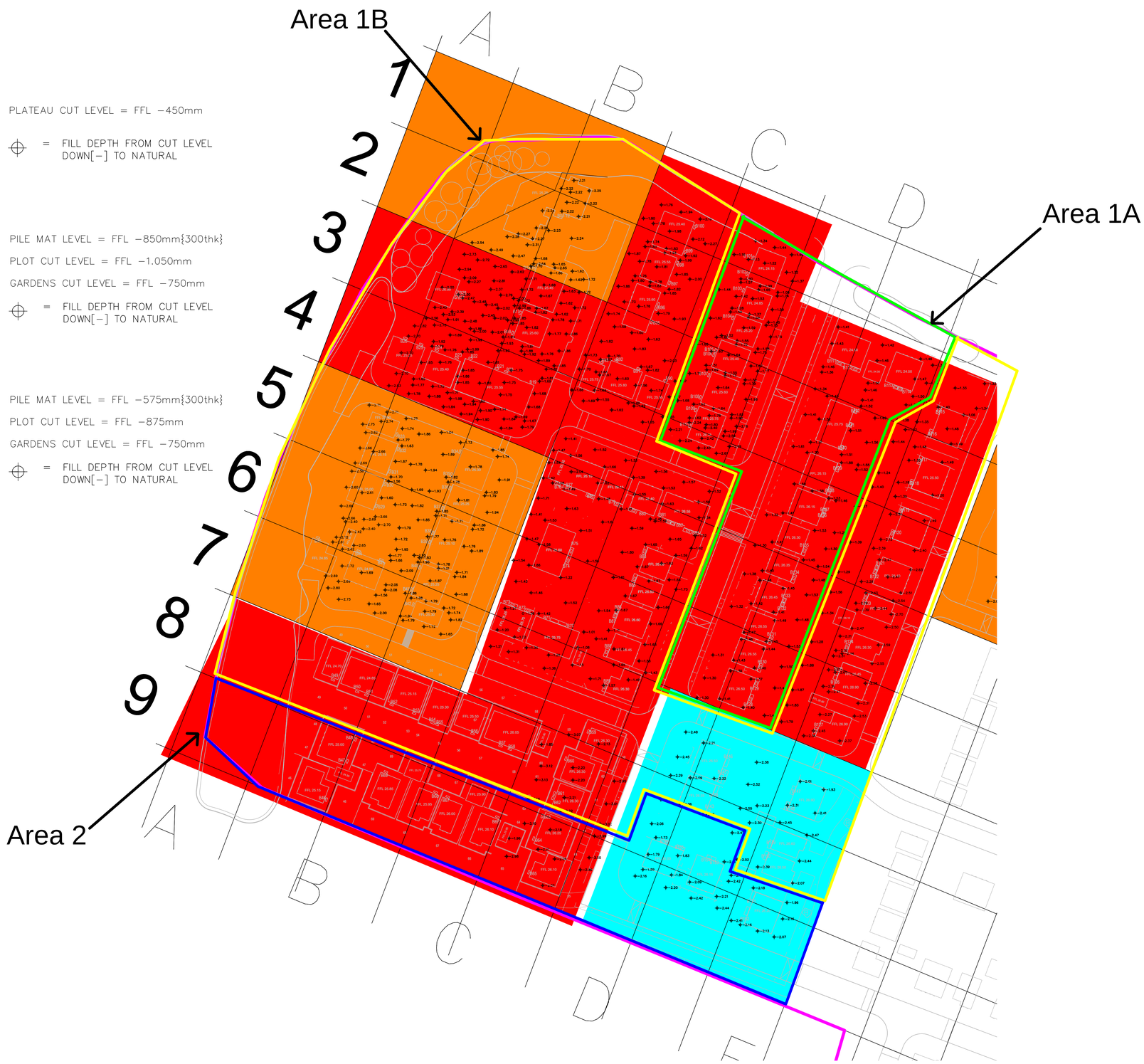
⊕ = FILL DEPTH FROM CUT LEVEL DOWN[−] TO NATURAL

PILE MAT LEVEL = FFL −575mm{300thk}

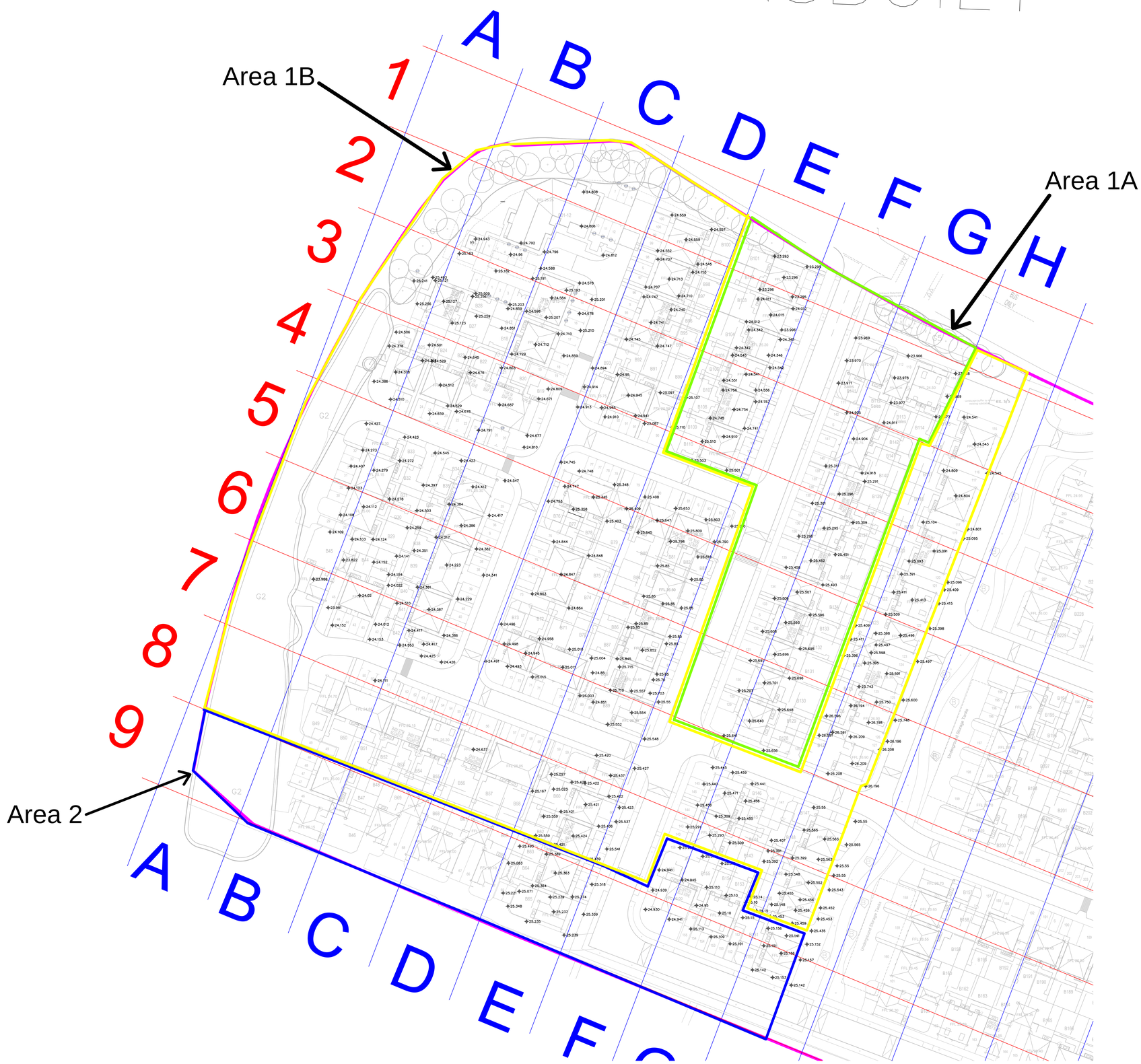
PLOT CUT LEVEL = FFL −875mm

GARDENS CUT LEVEL = FFL −750mm

⊕ = FILL DEPTH FROM CUT LEVEL DOWN[−] TO NATURAL



FORMATION ASBUILT



Appendix IV: Photographs



Plate 1 **Post Demo Trial Pit Beneath Former Gatehouse (TP508)**



Plate 2 **Dust Sweeping**



Plate 3 **Dust Suppression**



Plate 4 **Fencing of Excavations and the Site Boundary**



Plate 5 **Risk to Infrastructure**



Plate 6 **Northwest Car Park Upon Removal of Asphalt Hardstanding**



Plate 7 **Northern Car Park Upon Removal of Asphalt Hardstanding**



Plate 8 **Demolition of the Former Gatehouse**



Plate 9 **Removal of Obstructions and Relic Services**



Plate 10 **Topsoil Stripping Across Barratts Phase 1**



Plate 11 **Naphthalene Hotspot TP1101 (HS101)**



Plate 12 **Segregation of Materials and Waste**



Plate 13 **Imported 6F2 (6F2-102, Cheshire Soils)**



Plate 14 **Imported 6F2 (6F2-105, Kirkby Skips)**



Plate 15 **Imported 6F2 (6F2-106, SED)**



Plate 16 **Cut/Fill of Area 1A**



Plate 17 Cut/Fill of Area 1A



Plate 18 Cut/Fill of Area 1A



Plate 19 **Removal of Heave Impacted Clay Soils – Plots B111-B114**



Plate 20 **Placement of Temporary Working Platforms**



Appendix V: Remediation/Validation Criteria



Human Health Remediation Targets – Residential End Use

DETERMINAND	UNIT	WITHIN 600 MM COVER SYSTEM	HARDSTANDING AND > 600 MM COVER SYSTEM	POS AND 300 MM COVERSYSTEM	POS AND > 300 MM COVER SYSTEM	PATHWAY
Arsenic	mg/kg	37(i)	40(ii)	79(iii)	170(iv)	1
Cadmium	mg/kg	11(i)	85(ii)	120(iii)	532(iv)	1
Chromium (Hexavalent)	mg/kg	6(i)	6(ii)	7.7(iii)	220(iv)	1
Lead	mg/kg	200(vi)	310(vii)	630(viii)	1300(viii)	1
Elemental Mercury	mg/kg	1.2(i)	1.2(ii)	16(iii)	30(iv)	2
Nickel	mg/kg	130(i)	180(ii)	230(iii)	800(iv)	1
Selenium	mg/kg	250(i)	430(ii)	1100(iii)	1800(iv)	1
Copper	mg/kg	2400(i)	7100(ii)	12000(iii)	44000(iv)	1
Zinc	mg/kg	3700(i)	40000(ii)	81000(iii)	170000(iv)	1
Phenol	mg/kg	120(i)(xi)	440(xiv)(xi)	440(iii)(xi)	440(iv)(xi)	2
Naphthalene	mg/kg	2.3(i)(xi)	2.3(xiv)(xi)	1200(iv)(xi)	1200(iv)(xi)	2
Acenaphthylene	mg/kg	170(i)(xi)	500(v)	15000(iii)(xi)	29000(iv)(xi)	3
Acenaphthene	mg/kg	210(i)(xi)	500(v)	15000(iii)(xi)	29000(iv)(xi)	1
Fluorene	mg/kg	170(i)(xi)	500(v)	9900(iii)(xi)	20000(iv)(xi)	1
Phenanthrene	mg/kg	95(i)(xi)	500(v)	3100(iii)(xi)	6200(iv)(xi)	3
Anthracene	mg/kg	500(i)(xi)	500(v)	74000(iii)(xi)	150000(iv)(xi)	3
Fluoranthene	mg/kg	280(i)(xi)	500(v)	3100(iii)(xi)	6300(iv)(xi)	3
Pyrene	mg/kg	500(i)(xi)	500(v)	7400(iii)(xi)	15000(iv)(xi)	3
Benzo(a)Anthracene(	mg/kg	7.2(i)(xi)	11(ii)(xi)	29(iii)(xi)	49(iv)(xi)	3
Chrysene	mg/kg	15(i)(xi)	30(ii)(xi)	57(iii)(xi)	93(iv)(xi)	3
Benzo(b)Fluoranthene (iii)	mg/kg	2.6(i)(xi)	3.9(ii)(xi)	7.1(iii)(xi)	13(iv)(xi)	3
Benzo(k)Fluoranthene (iii)	mg/kg	77(i)(xi)	110(ii)(xi)	190(iii)(xi)	370(iv)(xi)	3
Benzo(a)Pyrene (vii)	mg/kg	2.2(i)(xi)	3.2(ii)(xi)	5.7(iii)(xi)	11(iv)(xi)	3
Indeno(123-cd)Pyrene	mg/kg	27(i)(xi)	45(ii)(xi)	82(iii)(xi)	150(iv)(xi)	3
Dibenzo(a,h)Anthracene	mg/kg	0.24(i)(xi)	0.31(ii)(xi)	0.57(iii)(xi)	1.1(iv)(xi)	3
Benzo(ghi)Perylene	mg/kg	320(i)(xi)	360(ii)(xi)	640(iii)(xi)	1400(iv)(xi)	3
TPH C5-C6 (aliphatic)	mg/kg	42(i)(xi)	42(ii)(xi)	42(ii)(xi)	10000(xiv)(xi)	2
TPH C6-C8 (aliphatic)	mg/kg	100(i)(xi)	100(ii)(xi)	100(ii)(xi)	10000(xiv)(xi)	2
TPH C8-C10 (aliphatic)	mg/kg	27(i)(xi)	27(ii)(xi)	27(ii)(xi)	10000(xiv)(xi)	2
TPH C10-C12 (aliphatic)	mg/kg	130(i)(xi)	130(ii)(xi)	130(ii)(xi)	10000(xiv)(xi)	2
TPH C12-C16 (aliphatic)	mg/kg	1000(xiv)(xi)	1000(xiv)(xi)	1000(xiv)(xi)	10000(xiv)(xi)	1
TPH C16-C35 (aliphatic)	mg/kg	1000(xiv)(xi)	1000(xiv)(xi)	1000(xiv)(xi)	10000(xiv)(xi)	1

DETERMINAND	UNIT	WITHIN 600 MM COVER SYSTEM	HARDSTANDING AND > 600 MM COVER SYSTEM	POS AND 300 MM COVERSYSTEM	POS AND > 300 MM COVER SYSTEM	PATHWAY
TPH C5-C7 (aromatic)	mg/kg	70(i)(xi)	370(ii)(xi)	370(ii)(xi)	10000(xiv)(xi)	2
TPH C7-C8 (aromatic)	mg/kg	130(i)(xi)	860(ii)(xi)	860(ii)(xi)	10000(xiv)(xi)	2
TPH C8-C10 (aromatic)	mg/kg	34(i)(xi)	47(ii)(xi)	47(ii)(xi)	10000(xiv)(xi)	2
TPH C10-C12 (aromatic)	mg/kg	74(i)(xi)	250(ii)(xi)	250(ii)(xi)	10000(xiv)(xi)	2
TPH C12-C16 (aromatic)	mg/kg	140(i)(xi)	1800(ii)(xi)	1800(ii)(xi)	10000(xiv)(xi)	1
TPH C16-C21 (aromatic)	mg/kg	260(i)(xi)	1900(ii)(xi)	1900(ii)(xi)	10000(xiv)(xi)	1
TPH C21-C35 (aromatic)	mg/kg	1000(xiv)(xi)	1900(ii)(xi)	1900(ii)(xi)	10000(xiv)(xi)	1
Asbestos	Fibres Volume Weight	NFD	0.001%	NFD	0.001	1

Notes 1

Asbestos will be screened visually on-site by a qualified environmental consultant and where potential ACM is identified representative samples will be subject to quantitative analysis of 5&volume by weight. Should any ACM be identified within the soil matrices, further detailed % assessment would be required when the reported laboratory result exceeds the limit of detection for the analytical method at 0.01% by volume (weight).

Notes 2

Excludes matrices where free product is observed;

Commercial Tier 1 GAC modelled to assume no exposure pathway; and,

No viable exposure pathway beneath hard standing and cover system.

Notes 3

Main Exposure Pathways: 1 = Soil Ingestion, 2 = Vapour Inhalation (indoor), 3 = Dermal Contact & Ingestion, 4 = Dust Inhalation.

Abbreviations: GAC = General Assessment Criteria, n = number of samples, MC = Maximum Concentration; NA – Not Applicable (no exceedance of assessment criteria); Loc of MC = Location of Exceedances

(i)Value derived from LQM Suitable 4 Use Levels (S4ULs) for residential end use with plant uptake.

(ii)Value derived from LQM Suitable 4 Use Levels (S4ULs) for residential end use without plant uptake – these levels used below 600 mm cover system within residential gardens as soils will be present within a residential setting yet soils will not be disturbed and garden plants will not reach these soils.

(iii)Value derived from LQM Suitable 4 Use Levels (S4ULs) for Public open Space (POS) residential.

(iv)Value derived from LQM Suitable 4 Use Levels (S4ULs) for Public Open Space (POS) park – these levels used below 300 mm POS cover system as soils will not be disturbed by any future site users and exposure to these soils will be similar to a park end use.

(v)Value derived from LQM Suitable 4 Use Levels (S4ULs) alongside assessment with WM3 to ensure that materials remaining on site do not exceed the WM3 toxicity criteria for hazardous waste.

(vi)Value derived from Category 4 Screening Levels (C4SL) for residential land use with homegrown produce.

(vii)Value derived from Category 4 Screening Levels (C4SL) for residential land use without homegrown produce.

(viii)Value derived from Category 4 Screening Levels (C4SL) for Public open Space (POS) residential.

(ix)Value derived from Category 4 Screening Levels (C4SL) for Public Open Space (POS) park.

(x)Mercury – Based on elemental Mercury.

(xi)PAH and TPH levels used are for 1% SOM.

(xii)Xylenes based on p-xylene (o-xylene 2600 mg/kg, m-xylene 3500 mg/kg) and is capped by its solubility.

(xiii)Value derived from LQM Suitable 4 Use Levels (S4ULs) for residential end use with plant uptake due to the volatilisation risk.

(xiv)BTEX is not SOM related due to inhalation pathway.

Generic Controlled Waters Remediation Targets

DETERMINAND	UNIT	EQS AA	DWS 3,4
Arsenic	µg/l	50	10
Cadmium	µg/l	0.08-0.25	5
Chromium (VI)	µg/l	3.4	–
Chromium (III)	µg/l	4.7	50
Copper	µg/l	1	2000
Total Cyanide	µg/l	1	50
Lead	µg/l	1.2	10
Mercury	µg/l	–	1.0
Nickel	µg/l	4	20
Selenium	µg/l	–	10
Zinc	µg/l	10.9	–
pH		6–9	
Naphthalene	µg/l	2	10*
Anthracene	µg/l	0.1	
Benzo (b) Fluoranthene	µg/l	0.00017*	
Benzo (k) Fluoranthene	µg/l	0.00017*	
Benzo(a) Pyrene	µg/l	0.00017*	
Indeno(123-cd)pyrene	µg/l	0.00017*	
Fluoranthene	µg/l	0.0063	
Benzo(ghi) Perylene	µg/l	1.7–4	
TPH C5-C7 (Benzene)	µg/l	10	1
TPH C7-C8 (Toluene)	µg/l	74	700
TPH C8-C10 (Xylene)	µg/l	30	300
TPH C10-C12 (Naphthalene)	µg/l	2	90
TPH C12-C16	µg/l	-	90
TPH C16-C35	µg/l	-	90
TPH C5-C6	µg/l	–	10005
TPH C6-C8	µg/l	–	10005
TPH C8-C10	µg/l	–	300
TPH C10-C12	µg/l	–	300
TPH C12-C16	µg/l	–	300
TPH C16-C21	µg/l	–	300**
TPH C21-C35	µg/l	–	300**
Tetrachlorethylene	µg/l	0.4	10
Trichloroethylene	µg/l	10	10
Trichlorobenzene	µg/l	0.4	–
Trichloromethane	µg/l	2.5	–
Dichloromethane	µg/l	20	200
Carbon Tetrachloride	µg/l	12	3
Vinyl Chloride	µg/l	–	0.3

#Solubility <0.01µg/l

AA – Annual Average

*Polyaromatic hydrocarbons (PAH) – Benzo(a)pyrene (BaP), Benzon(b)fluoranthene,

Benzo(k)fluoranthene, Benzo(g,h,i)-perylene and Indeno(1,2,3-cd)-pyrene. Benzo(a)pyrene can be considered as a marker for the other PAHs, hence only benzo(a)pyrene needs to be monitored for comparison with the biota EQS or the corresponding AA-EQS in water.

**There are no WHO Guideline Values for aliphatic fractions C16-C21 and C21-C35, therefore the guideline value for aliphatic fractions inclusive of C8-C16 (300µg/l) has been applied.

1.The Water Framework Directive (Standards and Classification) Directions (England and Wales) 2015 (legislation.gov.uk)

2.The Water Supply (Water Quality) Regulation 2018 (legislation.gov.uk)

3.Guidelines for drinking-water quality, 4th edition, incorporating the 1st addendum (who.int)

4.CL:AIRE publishes Petroleum Hydrocarbons in Groundwater guidance (claire.co.uk)

5.A total TPH criteria of 1000 mg/kg will act as a surrogate criterion for remaining aliphatic and aromatic TPH fractions.

Appendix VI: Chemical Testing Results



e3p
Taylor Road
Urmston
Manchester

t:

e: lcalliss@e3p.co.uk; mwilson@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-030374

Project / Site name:	Cherryfield Drive	**Samples received on:**	05/06/2026
Your job number:	18-528	**Samples instructed on/ Analysis started on:**	05/06/2026
Your order number:	14337	**Analysis completed by:**	16/06/2026
Report Issue Number:	1	**Report issued on:**	16/06/2026
Samples Analysed:	1 soil sample		

Signed:

Adan Cazas Garcia
Key Account Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 26-030374
Project / Site name: Cherryfield Drive
Your Order No: 14337

Lab Sample Number				943004
Sample Reference				TP508
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				0.10
Date Sampled				04/06/2026
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	
Mass of stone >10mm	%	0.1	NONE	10.6
Moisture Content	%	0.01	NONE	7.5
Total mass of sample received	kg	0.1	NONE	1

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SCA
Analysis completed	N/A	N/A	N/A	12/06/2026

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.7
Total Cyanide	mg/kg	1	MCERTS	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	240
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	118
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.9

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.08
Acenaphthylene	mg/kg	0.05	MCERTS	0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.66
Anthracene	mg/kg	0.05	MCERTS	0.19
Fluoranthene	mg/kg	0.05	MCERTS	1.3
Pyrene	mg/kg	0.05	MCERTS	1.2
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.6
Chrysene	mg/kg	0.05	MCERTS	0.65
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.8
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.3
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.6
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.3
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.35

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	7.03

Analytical Report Number: 26-030374
Project / Site name: Cherryfield Drive
Your Order No: 14337

Lab Sample Number				943004
Sample Reference				TP508
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				0.10
Date Sampled				04/06/2026
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Heavy Metals / Metalloids				
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	27
Lead (aqua regia extractable)	mg/kg	1	MCERTS	61
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	19
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.6
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	97
Petroleum Hydrocarbons				
TPH (>EC5 - EC10) HS_1D_TOTAL	mg/kg	1	NONE	< 1.0
TPH (>EC5 - EC6) HS_1D_TOTAL	mg/kg	0.1	NONE	< 0.1
TPH (>EC6 - EC8) HS_1D_TOTAL	mg/kg	0.01	MCERTS	< 0.01
TPH (>EC8 - EC10) HS_1D_TOTAL	mg/kg	0.02	MCERTS	< 0.02
TPH (>EC10 - EC12) EH_CU_1D_TOTAL	mg/kg	2	MCERTS	< 2.0
TPH (>EC12 - EC16) EH_CU_1D_TOTAL	mg/kg	4	MCERTS	< 4.0
TPH (>EC16 - EC21) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	10
TPH (>EC21 - EC35) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	130
TPH (>EC35 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	83
TPH Total >EC5 - EC40 EH_CU+HS_1D_TOTAL	mg/kg	10	NONE	220
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	220

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 26-030374
Project / Site name: Cherryfield Drive

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
943004	TP508	None Supplied	0.1	Brown loam and sand with stones and vegetation

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Analytical Report Number : 26-030374
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS

Analytical Report Number : 26-030374
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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e3p
Taylor Road
Urmston
Manchester

t:

e: lcalliss@e3p.co.uk
mwilson@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-007063

Project / Site name:	Cherryfield Drive	**Samples received on:**	11/02/2026
Your job number:	18-528	**Samples instructed on/ Analysis started on:**	11/02/2026
Your order number:	13361	**Analysis completed by:**	20/02/2026
Report Issue Number:	1	**Report issued on:**	20/02/2026
Samples Analysed:	11 soil samples		

Signed:

Claire Bancroft
Customer Service and Accounts Support
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 26-007063
Project / Site name: Cherryfield Drive
Your Order No: 13361

Lab Sample Number				828465	828466	828467	828468	828469
Sample Reference				TS-Ba-101	TS-Ba-102	TS-Ba-103	TS-Ba-104	TS-Ba-105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				10/02/2026	10/02/2026	10/02/2026	10/02/2026	10/02/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Stone Content	%	0.1	NONE	23.5	< 0.1	< 0.1	< 0.1	16.1
Moisture Content	%	0.01	NONE	18	18	18	17	14
Total mass of sample received	kg	0.1	NONE	1.2	1.2	1	1.1	1
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	WIK	WIK	WIK	PDO	PDO
Analysis completed	N/A	N/A	N/A	17/02/2026	17/02/2026	17/02/2026	17/02/2026	17/02/2026
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	8.1	8	7.8	8.2	7.9
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	130	130	630	71	1200
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	66.1	66.2	314	35.6	602
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.4	2.6	2.2	1.7	2
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	3.1	1.8	1.3	2.6	2.1
Acenaphthylene	mg/kg	0.05	MCERTS	0.07	0.07	0.06	< 0.05	0.08
Acenaphthene	mg/kg	0.05	MCERTS	1.3	1.3	0.6	2.4	1.5
Fluorene	mg/kg	0.05	MCERTS	0.97	0.7	0.34	1.5	1.1
Phenanthrene	mg/kg	0.05	MCERTS	5.5	6.2	3.2	11	9.6
Anthracene	mg/kg	0.05	MCERTS	1.2	1.1	0.72	2.4	2.3
Fluoranthene	mg/kg	0.05	MCERTS	5.4	6.8	4.9	10	12
Pyrene	mg/kg	0.05	MCERTS	5.6	6.8	4.8	10	11
Benzo(a)anthracene	mg/kg	0.05	MCERTS	2.9	3.1	2.5	4.3	4.8
Chrysene	mg/kg	0.05	MCERTS	2.7	3.6	2.4	4.7	5.5
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	3.2	3.4	2.5	5.5	5.8
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	1.2	1.8	1.6	1.6	2.1
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2.9	3.4	2.7	4.5	5.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.4	1.7	1.4	2	2.5
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.33	0.37	0.29	0.44	0.6
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.7	2	1.7	2.5	2.9
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	39.3	44.2	31	66.2	69

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Analytical Report Number: 26-007063
Project / Site name: Cherryfield Drive
Your Order No: 13361

Lab Sample Number				828465	828466	828467	828468	828469
Sample Reference				TS-Ba-101	TS-Ba-102	TS-Ba-103	TS-Ba-104	TS-Ba-105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				10/02/2026	10/02/2026	10/02/2026	10/02/2026	10/02/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	15	14	15	15	14
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.5	0.5	0.5	0.5	0.6
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	U/S [*U/S g]	< 1.8	< 1.8
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	-	-	< 1.80	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	21	23	40	24	22
Copper (aqua regia extractable)	mg/kg	1	MCERTS	62	61	93	77	63
Lead (aqua regia extractable)	mg/kg	1	MCERTS	190	190	180	190	150
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.7	0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	18	19	24	21	21
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.1	1.2	1.1	< 1.0	1.1
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	210	210	250	270	210
Petroleum Hydrocarbons								
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	5.7	4.8	4.6	8.2	11
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	17	14	18	25	47
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	82	61	87	72	130
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	27	17	24	17	34
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	130	97	140	120	220
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	130	97	140	120	220

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 26-007063
Project / Site name: Cherryfield Drive
Your Order No: 13361

Lab Sample Number				828470	828471	828472	828473	828474
Sample Reference				TS-Ba-106	TS-Ba-107	TS-Ba-108	TS-Ba-109	TS-Ba-110
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				10/02/2026	10/02/2026	10/02/2026	10/02/2026	10/02/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	15.1	22.5	< 0.1
Moisture Content	%	0.01	NONE	15	14	18	15	18
Total mass of sample received	kg	0.1	NONE	1.1	1.1	1.2	1.2	1.2
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	PDO	PDO	PDO	PDO	PDO
Analysis completed	N/A	N/A	N/A	17/02/2026	17/02/2026	17/02/2026	17/02/2026	17/02/2026
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.9	8.5	8	8.4	8.1
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	770	3600	390	720	260
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	384	1800	193	359	129
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.5	1.6	1.9	1.8	1.6
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	4	7.7	3.4	1.9	1.9
Acenaphthylene	mg/kg	0.05	MCERTS	0.08	0.12	0.1	0.06	0.08
Acenaphthene	mg/kg	0.05	MCERTS	2.3	3.9	4.8	0.77	2
Fluorene	mg/kg	0.05	MCERTS	1.5	2.5	3.5	0.47	1.5
Phenanthrene	mg/kg	0.05	MCERTS	12	15	28	4	13
Anthracene	mg/kg	0.05	MCERTS	2.9	3.2	8.4	0.91	2.8
Fluoranthene	mg/kg	0.05	MCERTS	14	14	32	6.6	16
Pyrene	mg/kg	0.05	MCERTS	12	13	29	6.2	13
Benzo(a)anthracene	mg/kg	0.05	MCERTS	5.6	6.1	16	3	5.3
Chrysene	mg/kg	0.05	MCERTS	6	6.3	15	3.3	5.6
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	6.7	7	14	3.8	6.5
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	2.3	2.3	6.5	1.3	2.2
Benzo(a)pyrene	mg/kg	0.05	MCERTS	5.7	6	13	3.3	5.6
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	2.8	2.7	5.4	1.7	2.7
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.63	0.7	1.4	0.46	0.57
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	3.2	3.3	6	2	3.1
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	81.9	94.3	187	39.9	82.3

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 26-007063
Project / Site name: Cherryfield Drive
Your Order No: 13361

Lab Sample Number				828470	828471	828472	828473	828474
Sample Reference				TS-Ba-106	TS-Ba-107	TS-Ba-108	TS-Ba-109	TS-Ba-110
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				10/02/2026	10/02/2026	10/02/2026	10/02/2026	10/02/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	15	16	18	16	15
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.7	0.6	0.7	0.6	0.5
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	-	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	23	22	23	21	24
Copper (aqua regia extractable)	mg/kg	1	MCERTS	70	69	65	63	68
Lead (aqua regia extractable)	mg/kg	1	MCERTS	220	320	180	170	120
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.3	0.3	0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	19	19	20	20	22
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.2	1.3	< 1.0	< 1.0	1.1
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	240	210	280	200	160
Petroleum Hydrocarbons								
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	< 2.0	4.2	< 2.0	< 2.0	< 2.0
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	8.8	14	11	6.9	4.9
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	37	38	71	26	35
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	130	120	160	97	67
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	36	29	20	29	16
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	210	200	260	160	120
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	210	200	260	160	120

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 26-007063
Project / Site name: Cherryfield Drive
Your Order No: 13361

Lab Sample Number	828475
Sample Reference	TS-Ba-111
Sample Number	None Supplied
Water Matrix	N/A
Depth (m)	None Supplied
Date Sampled	10/02/2026
Time Taken	None Supplied

Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	28
Total mass of sample received	kg	0.1	NONE	1.1
Asbestos				
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	PDO
Analysis completed	N/A	N/A	N/A	17/02/2026
General Inorganics				
pH (L099)	pH Units	N/A	MCERTS	6.9
Total Cyanide	mg/kg	1	MCERTS	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	3700
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	1870
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	3.3
Total Phenols				
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0
Speciated PAHs				
Naphthalene	mg/kg	0.05	MCERTS	19
Acenaphthylene	mg/kg	0.05	MCERTS	0.25
Acenaphthene	mg/kg	0.05	MCERTS	11
Fluorene	mg/kg	0.05	MCERTS	10
Phenanthrene	mg/kg	0.05	MCERTS	31
Anthracene	mg/kg	0.05	MCERTS	23
Fluoranthene	mg/kg	0.05	MCERTS	17
Pyrene	mg/kg	0.05	MCERTS	13
Benzo(a)anthracene	mg/kg	0.05	MCERTS	3.8
Chrysene	mg/kg	0.05	MCERTS	3.9
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	2.7
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	1.4
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2.5
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.1
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.24
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.1
Total PAH				
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	141

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Analytical Report Number: 26-007063
Project / Site name: Cherryfield Drive
Your Order No: 13361

Lab Sample Number				828475
Sample Reference				TS-Ba-111
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				None Supplied
Date Sampled				10/02/2026
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Heavy Metals / Metalloids				
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	15
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.7
Chromium (hexavalent)	mg/kg	1.8	MCERTS	U/S *U/S g
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	< 1.80
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	24
Copper (aqua regia extractable)	mg/kg	1	MCERTS	180
Lead (aqua regia extractable)	mg/kg	1	MCERTS	130
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	24
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.2
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	230
Petroleum Hydrocarbons				
TPH (>EC5 - EC10) HS_1D_TOTAL	mg/kg	1	NONE	< 1.0
TPH (>EC5 - EC6) HS_1D_TOTAL	mg/kg	0.1	NONE	< 0.1
TPH (>EC6 - EC8) HS_1D_TOTAL	mg/kg	0.01	MCERTS	< 0.01
TPH (>EC8 - EC10) HS_1D_TOTAL	mg/kg	0.02	MCERTS	< 0.02
TPH (>EC10 - EC12) EH_CU_1D_TOTAL	mg/kg	2	MCERTS	12
TPH (>EC12 - EC16) EH_CU_1D_TOTAL	mg/kg	4	MCERTS	44
TPH (>EC16 - EC21) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	65
TPH (>EC21 - EC35) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	65
TPH (>EC35 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	12
TPH Total >EC5 - EC40 EH_CU+HS_1D_TOTAL	mg/kg	10	NONE	200
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	200

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 26-007063
Project / Site name: Cherryfield Drive

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
828465	TS-Ba-101	None Supplied	None Supplied	Brown clay and sand with vegetation and stones
828466	TS-Ba-102	None Supplied	None Supplied	Brown clay and sand with gravel and vegetation
828467	TS-Ba-103	None Supplied	None Supplied	Brown clay and sand with gravel and vegetation
828468	TS-Ba-104	None Supplied	None Supplied	Brown clay and sand with gravel and vegetation
828469	TS-Ba-105	None Supplied	None Supplied	Brown clay and sand with vegetation and stones
828470	TS-Ba-106	None Supplied	None Supplied	Brown clay and sand with gravel and vegetation
828471	TS-Ba-107	None Supplied	None Supplied	Brown clay and sand with gravel and vegetation
828472	TS-Ba-108	None Supplied	None Supplied	Brown clay and sand with vegetation and stones
828473	TS-Ba-109	None Supplied	None Supplied	Brown clay and sand with vegetation and stones
828474	TS-Ba-110	None Supplied	None Supplied	Brown clay and sand with gravel and vegetation
828475	TS-Ba-111	None Supplied	None Supplied	Brown clay and sand with gravel and vegetation

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Analytical Report Number : 26-007063
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

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Analytical Report Number : 26-007063
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Hexavalent chromium in soil by Ion Chromatography	Determination of hexavalent chromium in alkaline soil extract by use of ion chromatography with spectrophotometric detection	In-house method	L130B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

*U/S g- Unsuitable for analysis due to high colour intensity.

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e3p
Taylor Road
Urmston
Manchester

t:

e: lcalliss@e3p.co.uk
mwilson@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-001859

Replaces Analytical Report Number: 26-001859, issue no. 1
Client Sampling Date Amended
Sample dates added as not included on original report

Project / Site name:	Cherryfield Drive	**Samples received on:**	15/01/2026
Your job number:	18 528	**Samples instructed on/ Analysis started on:**	15/01/2026
Your order number:	13122	**Analysis completed by:**	22/01/2026
Report Issue Number:	2	**Report issued on:**	26/01/2026
Samples Analysed:	12 soil samples		

Signed:

Adam Fenwick
Customer Relationship Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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Analytical Report Number: 26-001859
Project / Site name: Cherryfield Drive
Your Order No: 13122

Lab Sample Number				801838	801839	801840	801841	801842
Sample Reference				HS101N	HS101E	HS101S	HS101W	HS101B
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.90	0.90	0.90	0.90	2.00
Date Sampled				14/01/2026	14/01/2026	14/01/2026	14/01/2026	14/01/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Stone Content	%	0.1	NONE	20.8	< 0.1	< 0.1	51.1	< 0.1
Moisture Content	%	0.01	NONE	10	19	21	10	18
Total mass of sample received	kg	0.1	NONE	0.2	0.2	0.2	0.2	0.2
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	-	-	-	-	-
Analysis completed	N/A	N/A	N/A	-	-	-	-	-
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	-	-	-	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	-	-	-	-
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	-	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	-	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.07	< 0.05	0.08	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.07	< 0.05	0.11	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.09	< 0.05	0.11	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.06	< 0.05	0.09	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80

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Analytical Report Number: 26-001859
Project / Site name: Cherryfield Drive
Your Order No: 13122

Lab Sample Number				801838	801839	801840	801841	801842
Sample Reference				HS101N	HS101E	HS101S	HS101W	HS101B
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.90	0.90	0.90	0.90	2.00
Date Sampled				14/01/2026	14/01/2026	14/01/2026	14/01/2026	14/01/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	-	-
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	-	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Petroleum Hydrocarbons								
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	-	-	-	-	-
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	-	-	-	-	-
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	-	-	-	-	-
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	-	-	-	-	-
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	-	-	-	-	-
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	-	-	-	-	-
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	-	-	-	-	-
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	-	-	-	-	-
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	-	-	-	-	-
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	-	-	-	-	-
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	-	-	-	-	-

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Analytical Report Number: 26-001859
Project / Site name: Cherryfield Drive
Your Order No: 13122

Lab Sample Number				801838	801839	801840	801841	801842
Sample Reference				HS101N	HS101E	HS101S	HS101W	HS101B
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.90	0.90	0.90	0.90	2.00
Date Sampled				14/01/2026	14/01/2026	14/01/2026	14/01/2026	14/01/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 26-001859
Project / Site name: Cherryfield Drive
Your Order No: 13122

Lab Sample Number				801843	801844	801845	801846	801847
Sample Reference				HS101A	HS102N	HS102E	HS102S	HS102W
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	2.50	2.50	2.50	2.50
Date Sampled				14/01/2026	14/01/2026	14/01/2026	14/01/2026	14/01/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	16	16	29	24
Total mass of sample received	kg	0.1	NONE	0.8	0.2	0.2	0.1	0.2
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	JWU	-	-	-	-
Analysis completed	N/A	N/A	N/A	20/01/2026	-	-	-	-
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.8	-	-	-	-
Total Cyanide	mg/kg	1	MCERTS	< 1.0	-	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	390	-	-	-	-
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	195	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.6	-	-	-	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	-	-	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	0.1	0.08	< 0.05	0.16	3.1
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.34
Acenaphthene	mg/kg	0.05	MCERTS	0.32	0.05	0.21	0.05	0.35
Fluorene	mg/kg	0.05	MCERTS	0.24	0.06	0.2	< 0.05	0.55
Phenanthrene	mg/kg	0.05	MCERTS	2.6	0.28	2.2	0.23	2.1
Anthracene	mg/kg	0.05	MCERTS	0.62	0.07	0.52	< 0.05	0.59
Fluoranthene	mg/kg	0.05	MCERTS	4	0.4	3	0.23	2.7
Pyrene	mg/kg	0.05	MCERTS	3.8	0.4	2.5	0.22	2.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.5	0.17	1.1	0.14	1.5
Chrysene	mg/kg	0.05	MCERTS	1.8	0.19	1.2	0.17	1.5
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	1.9	0.26	1.4	0.17	1.8
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.95	0.1	0.51	0.06	0.78
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.9	0.2	1.1	0.12	1.4
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.94	0.11	0.59	0.07	0.86
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.16	0.06	0.18	< 0.05	0.23
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.2	0.08	0.55	< 0.05	0.75
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	22.1	2.52	15.2	1.63	20.9

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Analytical Report Number: 26-001859
Project / Site name: Cherryfield Drive
Your Order No: 13122

Lab Sample Number				801843	801844	801845	801846	801847
Sample Reference				HS101A	HS102N	HS102E	HS102S	HS102W
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	2.50	2.50	2.50	2.50
Date Sampled				14/01/2026	14/01/2026	14/01/2026	14/01/2026	14/01/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.2	-	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	-	-	-	-
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	-	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	20	-	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	41	-	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	50	-	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	16	-	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	200	-	-	-	-
Petroleum Hydrocarbons								
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0	-	-	-	-
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1	-	-	-	-
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01	-	-	-	-
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	< 0.02	-	-	-	-
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	< 2.0	-	-	-	-
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	< 4.0	-	-	-	-
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	< 10	-	-	-	-
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	< 10	-	-	-	-
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	< 10	-	-	-	-
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	< 10	-	-	-	-
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	< 10	-	-	-	-

Analytical Report Number: 26-001859
Project / Site name: Cherryfield Drive
Your Order No: 13122

Lab Sample Number				801843	801844	801845	801846	801847
Sample Reference				HS101A	HS102N	HS102E	HS102S	HS102W
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	2.50	2.50	2.50	2.50
Date Sampled				14/01/2026	14/01/2026	14/01/2026	14/01/2026	14/01/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1	< 0.1
Phenol	mg/kg	0.2	ISO 17025	-	< 0.2	< 0.2	< 0.2	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	< 0.3
Hexachloroethane	mg/kg	0.05	ISO 17025	-	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	-	< 0.2	< 0.2	0.3	< 0.2
Isophorone	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	< 0.2
2-Nitrophenol	mg/kg	0.3	NONE	-	< 0.3	< 0.3	< 0.3	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	< 0.3
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	< 0.2	< 0.2	< 0.2	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1	1.6
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1	< 0.1
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	< 0.2	< 0.2	< 0.2	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	0.3
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	< 0.2
4-Nitroaniline	mg/kg	0.2	NONE	-	< 0.2	< 0.2	< 0.2	< 0.2
Azobenzene	mg/kg	0.3	NONE	-	< 0.3	< 0.3	< 0.3	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	< 0.30	< 0.30	< 0.30	< 0.30
Carbazole	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	< 0.3
Dibutyl phthalate	mg/kg	0.2	NONE	-	2	< 0.2	< 0.2	< 0.2
Anthraquinone	mg/kg	0.3	NONE	-	< 0.3	< 0.3	< 0.3	< 0.3
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	< 0.3	< 0.3	< 0.3	< 0.3

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 26-001859
Project / Site name: Cherryfield Drive
Your Order No: 13122

Lab Sample Number				801848	801849
Sample Reference				HS102B	HS102A
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				3.00	2.50
Date Sampled				14/01/2026	14/01/2026
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	15	20
Total mass of sample received	kg	0.1	NONE	0.2	0.8
Asbestos					
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	-	JWU
Analysis completed	N/A	N/A	N/A	-	20/01/2026
General Inorganics					
pH (L099)	pH Units	N/A	MCERTS	-	7.7
Total Cyanide	mg/kg	1	MCERTS	-	4.4
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	1200
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	-	596
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	2.4
Total Phenols					
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	< 1.0
Speciated PAHs					
Naphthalene	mg/kg	0.05	MCERTS	0.06	0.98
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.12
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.14
Phenanthrene	mg/kg	0.05	MCERTS	0.07	0.56
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.36
Fluoranthene	mg/kg	0.05	MCERTS	0.1	1.1
Pyrene	mg/kg	0.05	MCERTS	0.11	1
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.71
Chrysene	mg/kg	0.05	MCERTS	0.05	0.59
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.09	0.7
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.23
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.07	0.59
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.34
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Total PAH					
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	7.43

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 26-001859
Project / Site name: Cherryfield Drive
Your Order No: 13122

Lab Sample Number				801848	801849
Sample Reference				HS102B	HS102A
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				3.00	2.50
Date Sampled				14/01/2026	14/01/2026
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
Heavy Metals / Metalloids					
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	51
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	1.8
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	U/S *U/S g
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	-	< 1.80
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	97
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	480
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	350
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	1.5
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	64
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	2.5
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	680
Petroleum Hydrocarbons					
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	-	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	-	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	-	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	-	< 0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	-	2.9
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	-	11
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	-	32
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	-	130
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	-	16
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	-	190
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	-	190

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Analytical Report Number: 26-001859
Project / Site name: Cherryfield Drive
Your Order No: 13122

Lab Sample Number				801848	801849
Sample Reference				HS102B	HS102A
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				3.00	2.50
Date Sampled				14/01/2026	14/01/2026
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
SVOCs					
Aniline	mg/kg	0.1	NONE	< 0.1	-
Phenol	mg/kg	0.2	ISO 17025	< 0.2	-
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	< 0.2	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	-
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	-
Hexachloroethane	mg/kg	0.05	ISO 17025	< 0.05	-
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	-
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	-
Isophorone	mg/kg	0.2	MCERTS	< 0.2	-
2-Nitrophenol	mg/kg	0.3	NONE	< 0.3	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	-
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	< 0.1	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	< 0.2	-
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	-
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	< 0.1	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	< 0.2	-
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	< 0.3	-
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-
4-Nitroaniline	mg/kg	0.2	NONE	< 0.2	-
Azobenzene	mg/kg	0.3	NONE	< 0.3	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.30	-
Carbazole	mg/kg	0.3	MCERTS	< 0.3	-
Dibutyl phthalate	mg/kg	0.2	NONE	< 0.2	-
Anthraquinone	mg/kg	0.3	NONE	< 0.3	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	< 0.3	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number : 26-001859
Project / Site name: Cherryfield Drive

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
801838	HS101N	None Supplied	0.9	Brown sand with stones
801839	HS101E	None Supplied	0.9	Brown sandy clay
801840	HS101S	None Supplied	0.9	Brown clay and sand with gravel
801841	HS101W	None Supplied	0.9	Brown sand with gravel and stones
801842	HS101B	None Supplied	2	Brown sandy clay
801843	HS101A	None Supplied	0.5	Brown sand with gravel and vegetation
801844	HS102N	None Supplied	2.5	Brown clay and sand with glass and gravel
801845	HS102E	None Supplied	2.5	Brown sandy clay with gravel
801846	HS102S	None Supplied	2.5	Brown loam and sand with clinker and glass
801847	HS102W	None Supplied	2.5	Brown loam and clay with clinker and gravel
801848	HS102B	None Supplied	3	Brown sand with gravel
801849	HS102A	None Supplied	2.5	Brown loam and clay with clinker and vegetation

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number : 26-001859
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

Analytical Report Number : 26-001859
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Hexavalent chromium in soil by Ion Chromatography	Determination of hexavalent chromium in alkaline soil extract by use of ion chromatography with spectrophotometric detection	In-house method	L130B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

*U/S g- Unsuitable for analysis due to high colour intensity.

e3p
Taylor Road
Urmston
Manchester

t:

e: lcalliss@e3p.co.uk; mwilson@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-011256

Project / Site name:	Cherryfield Drive	**Samples received on:**	04/03/2026
Your job number:	18 528	**Samples instructed on/ Analysis started on:**	04/03/2026
Your order number:	13575	**Analysis completed by:**	12/03/2026
Report Issue Number:	1	**Report issued on:**	12/03/2026
Samples Analysed:	1 soil sample		

Signed:

Adam Fenwick
Customer Relationship Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 26-011256
Project / Site name: Cherryfield Drive
Your Order No: 13575

Lab Sample Number				849521
Sample Reference				SW-6F2-101
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				None Supplied
Date Sampled				03/03/2026
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Stone Content	%	0.1	NONE	38.9
Moisture Content	%	0.01	NONE	6.3
Total mass of sample received	kg	0.1	NONE	1.1
Asbestos				
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	PKU
Analysis completed	N/A	N/A	N/A	10/03/2026
General Inorganics				
pH (L099)	pH Units	N/A	MCERTS	11.1
Total Cyanide	mg/kg	1	MCERTS	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	3100
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	1530
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.1
Total Phenols				
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0
Speciated PAHs				
Naphthalene	mg/kg	0.05	MCERTS	0.23
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.84
Fluorene	mg/kg	0.05	MCERTS	0.58
Phenanthrene	mg/kg	0.05	MCERTS	5.5
Anthracene	mg/kg	0.05	MCERTS	1.7
Fluoranthene	mg/kg	0.05	MCERTS	12
Pyrene	mg/kg	0.05	MCERTS	9.9
Benzo(a)anthracene	mg/kg	0.05	MCERTS	4.9
Chrysene	mg/kg	0.05	MCERTS	4.5
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	6.4
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	1.6
Benzo(a)pyrene	mg/kg	0.05	MCERTS	4.7
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	2.5
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.53
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	2.8
Total PAH				
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	58.3

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Analytical Report Number: 26-011256
Project / Site name: Cherryfield Drive
Your Order No: 13575

Lab Sample Number				849521
Sample Reference				SW-6F2-101
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				None Supplied
Date Sampled				03/03/2026
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Heavy Metals / Metalloids				
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	14
Copper (aqua regia extractable)	mg/kg	1	MCERTS	17
Lead (aqua regia extractable)	mg/kg	1	MCERTS	130
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	12
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	67
Petroleum Hydrocarbons				
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	< 0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	< 2.0
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	8.1
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	68
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	800
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	450
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	1300
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	1300

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 26-011256
Project / Site name: Cherryfield Drive

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
849521	SW-6F2-101	None Supplied	None Supplied	Brown clay and sand with gravel and stones

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Analytical Report Number : 26-011256
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

Analytical Report Number : 26-011256
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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e3p
Taylor Road
Urmston
Manchester

t:

e: lcalliss@e3p.co.uk; mwilson@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-021744

Project / Site name:	Cherryfield Drive	**Samples received on:**	24/04/2026
Your job number:	18-528	**Samples instructed on/ Analysis started on:**	24/04/2026
Your order number:	13993	**Analysis completed by:**	30/04/2026
Report Issue Number:	1	**Report issued on:**	30/04/2026
Samples Analysed:	3 soil samples		

Signed:

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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Analytical Report Number: 26-021744
Project / Site name: Cherryfield Drive
Your Order No: 13993

Lab Sample Number				900070	900071	900072
Sample Reference				SW-6F2-102	SW-6F2-103	SW-6F2-104
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				23/04/2026	23/04/2026	23/04/2026
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			
Mass of stone >10mm	%	0.1	NONE	18.5	9.3	19.3
Moisture Content	%	0.01	NONE	4.2	3.3	5.4
Total mass of sample received	kg	0.1	NONE	0.9	0.9	1

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	JWU	JWU	JWU
Analysis completed	N/A	N/A	N/A	30/04/2026	30/04/2026	30/04/2026

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	10.9	10.3	11.9
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	690	1000	83
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	345	519	41.3
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.8	2.5	0.3

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.07	0.26	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.23	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.18	2.7	0.06
Fluorene	mg/kg	0.05	MCERTS	0.13	2.4	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.99	16	0.43
Anthracene	mg/kg	0.05	MCERTS	0.24	5.7	0.1
Fluoranthene	mg/kg	0.05	MCERTS	1.5	29	0.68
Pyrene	mg/kg	0.05	MCERTS	1.3	25	0.66
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.66	14	0.42
Chrysene	mg/kg	0.05	MCERTS	0.69	12	0.35
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.79	16	0.45
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.39	6.6	0.24
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.72	14	0.33
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.41	7.2	0.19
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.11	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.48	7.9	0.25

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	8.7	158	4.16

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Lab Sample Number				900070	900071	900072
Sample Reference				SW-6F2-102	SW-6F2-103	SW-6F2-104
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				23/04/2026	23/04/2026	23/04/2026
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			
Heavy Metals / Metalloids						
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.4	7.5	7.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	0.4	0.3
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	18	20	21
Copper (aqua regia extractable)	mg/kg	1	MCERTS	39	36	34
Lead (aqua regia extractable)	mg/kg	1	MCERTS	56	110	43
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	16	19	16
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	79	110	84
Petroleum Hydrocarbons						
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01	< 0.01	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	< 0.02	< 0.02	< 0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	< 4.0	19	< 4.0
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	11	140	< 10
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	120	860	48
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	61	370	19
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	200	1400	74
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	200	1400	74

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 26-021744
Project / Site name: Cherryfield Drive

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
900070	SW-6F2-102	None Supplied	None Supplied	Brown sand with gravel and stones
900071	SW-6F2-103	None Supplied	None Supplied	Brown sand with gravel and stones
900072	SW-6F2-104	None Supplied	None Supplied	Brown sand with gravel and stones

Analytical Report Number : 26-021744
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

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Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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e3p
Taylor Road
Urmston
Manchester

t:

e: mwilson@e3p.co.uk
lcalliss@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-002258

Project / Site name:	Cherryfield Drive	**Samples received on:**	16/01/2026
Your job number:	18-528	**Samples instructed on/ Analysis started on:**	16/01/2026
Your order number:	13143	**Analysis completed by:**	26/01/2026
Report Issue Number:	1	**Report issued on:**	26/01/2026
Samples Analysed:	1 soil sample		

Signed:

Adam Fenwick
Customer Relationship Manager
For & on behalf of i2 Analytical Ltd.

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

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soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Analytical Report Number: 26-002258
Project / Site name: Cherryfield Drive
Your Order No: 13143

Lab Sample Number				803748
Sample Reference				6F2-101
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				None Supplied
Date Sampled				15/01/2026
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Stone Content	%	0.1	NONE	38.2
Moisture Content	%	0.01	NONE	13
Total mass of sample received	kg	0.1	NONE	0.9

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Detected
Asbestos Analyst ID	N/A	N/A	N/A	JSW
Analysis completed	N/A	N/A	N/A	21/01/2026
Actinolite detected	Type	N/A	ISO 17025	Not-detected
Amosite detected	Type	N/A	ISO 17025	Not-detected
Anthophyllite detected	Type	N/A	ISO 17025	Not-detected
Chrysotile detected	Type	N/A	ISO 17025	Detected
Crocidolite detected	Type	N/A	ISO 17025	Not-detected
Tremolite detected	Type	N/A	ISO 17025	Not-detected
Asbestos % by hand picking/weighing	%	0.001	ISO 17025	< 0.001
Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	Loose Fibres

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	10.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	6400
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	3190
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.9

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0

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Analytical Report Number: 26-002258
Project / Site name: Cherryfield Drive
Your Order No: 13143

Lab Sample Number				803748
Sample Reference				6F2-101
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				None Supplied
Date Sampled				15/01/2026
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Speciated PAHs				
Naphthalene	mg/kg	0.05	MCERTS	0.31
Acenaphthylene	mg/kg	0.05	MCERTS	0.15
Acenaphthene	mg/kg	0.05	MCERTS	0.64
Fluorene	mg/kg	0.05	MCERTS	0.54
Phenanthrene	mg/kg	0.05	MCERTS	4.6
Anthracene	mg/kg	0.05	MCERTS	1.2
Fluoranthene	mg/kg	0.05	MCERTS	6.1
Pyrene	mg/kg	0.05	MCERTS	5.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	2.3
Chrysene	mg/kg	0.05	MCERTS	2.6
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	2.8
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	1.4
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2.5
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.3
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.35
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.6
Total PAH				
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	33.6
Heavy Metals / Metalloids				
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	22
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.5
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	32
Copper (aqua regia extractable)	mg/kg	1	MCERTS	110
Lead (aqua regia extractable)	mg/kg	1	MCERTS	110
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	29
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	290
Petroleum Hydrocarbons				
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	< 2.0
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	11
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	43
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	320
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	180
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	550
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	550

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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UKAS TESTING
4041

Normec i2 Analytical

Analytical Report Number: **26-002258**
Project / Site name: **Cherryfield Drive**
Your Order No: **13143**

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006 based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample	Analysis completed	Analyst ID
803748	6F2-101	-	235	Loose Fibres	**Chrysotile**	< 0.001	**< 0.001**	22/01/2026	JSW

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Analytical Report Number : 26-002258
Project / Site name: Cherryfield Drive

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
803748	6F2-101	None Supplied	None Supplied	Brown clay and sand with gravel and stones

Analytical Report Number : 26-002258
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

Analytical Report Number : 26-002258
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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The results included within the report are representative of the samples submitted for analysis.

e3p
Taylor Road
Urmston
Manchester

t:

e: lcalliss@e3p.co.uk
mwilson@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-002807

Project / Site name:	Cherryfield Drive	**Samples received on:**	21/01/2026
Your job number:	18-528	**Samples instructed on/ Analysis started on:**	21/01/2026
Your order number:	13177	**Analysis completed by:**	27/01/2026
Report Issue Number:	1	**Report issued on:**	27/01/2026
Samples Analysed:	1 soil sample		



Signed:

Rachel Chappell
Key Account Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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

Analytical Report Number: 26-002807
Project / Site name: Cherryfield Drive
Your Order No: 13177

Lab Sample Number				806747
Sample Reference				6F2-102
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				None Supplied
Date Sampled				20/01/2026
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Stone Content	%	0.1	NONE	64.2
Moisture Content	%	0.01	NONE	3.9
Total mass of sample received	kg	0.1	NONE	1
Whole Sample Crushed	N/A	N/A	NONE	Crushed

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	KKR
Analysis completed	N/A	N/A	N/A	26/01/2026

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.2
Total Cyanide	mg/kg	1	MCERTS	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	1600
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	783
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.7

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.4
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.09
Phenanthrene	mg/kg	0.05	MCERTS	0.44
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.07
Pyrene	mg/kg	0.05	MCERTS	0.07
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	1.08

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Analytical Report Number: 26-002807
Project / Site name: Cherryfield Drive
Your Order No: 13177

Lab Sample Number				806747
Sample Reference				6F2-102
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				None Supplied
Date Sampled				20/01/2026
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Heavy Metals / Metalloids				
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	15
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.6
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	35
Copper (aqua regia extractable)	mg/kg	1	MCERTS	20
Lead (aqua regia extractable)	mg/kg	1	MCERTS	17
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	39
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.3
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120
Petroleum Hydrocarbons				
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	< 0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	3.5
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	6.1
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	< 10
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	< 10
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	< 10
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	20
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	20

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 26-002807
Project / Site name: Cherryfield Drive

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
806747	6F2-102	None Supplied	None Supplied	Grey gravelly sand with stones

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Analytical Report Number : 26-002807
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Whole Sample Crushed	Either: Client specific preparation instructions - sample(s) crushed whole prior to analysis OR Sample unsuitable for standard preparation and therefore crushed whole prior to analysis	In house method, applicable to dry samples only	L019B	D	NONE
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

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Analytical Report Number : 26-002807
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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e3p
Taylor Road
Urmston
Manchester

t:

e: lcalliss@e3p.co.uk
mwilson@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-004801

Replaces Analytical Report Number: 26-004801, issue no. 1
Additional analysis undertaken.
Asbestos Quantification added to sample 817037 as per client's request

Project / Site name:	Cherryfield Drive	**Samples received on:**	30/01/2026
Your job number:	18-528	**Samples instructed on/ Analysis started on:**	30/01/2026
Your order number:	13255	**Analysis completed by:**	10/02/2026
Report Issue Number:	2	**Report issued on:**	11/02/2026
Samples Analysed:	3 soil samples		



Signed:

Trevor Hill
Customer Service
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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Analytical Report Number: 26-004801
Project / Site name: Cherryfield Drive
Your Order No: 13255

Lab Sample Number				817036	817037	817038
Sample Reference				6F2-103	6F2-104	6F2-105
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				29/01/2026	29/01/2026	29/01/2026
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			
Stone Content	%	0.1	NONE	43.3	35.3	39.2
Moisture Content	%	0.01	NONE	7.3	8.6	11
Total mass of sample received	kg	0.1	NONE	0.9	1.1	0.9

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	WIK	WIK	WIK
Analysis completed	N/A	N/A	N/A	05/02/2026	05/02/2026	05/02/2026
Actinolite detected	Type	N/A	ISO 17025	-	Not-detected	-
Amosite detected	Type	N/A	ISO 17025	-	Not-detected	-
Anthophyllite detected	Type	N/A	ISO 17025	-	Not-detected	-
Chrysotile detected	Type	N/A	ISO 17025	-	Detected	-
Crocidolite detected	Type	N/A	ISO 17025	-	Not-detected	-
Tremolite detected	Type	N/A	ISO 17025	-	Not-detected	-
Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	< 0.001	-
Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	Loose Fibres	-

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	11	10.6	11.4
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	3400	3500	3600
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	1700	1740	1780
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.4	1.5	1.4

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0

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Analytical Report Number: 26-004801
Project / Site name: Cherryfield Drive
Your Order No: 13255

Lab Sample Number				817036	817037	817038
Sample Reference				6F2-103	6F2-104	6F2-105
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				29/01/2026	29/01/2026	29/01/2026
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			
Speciated PAHs						
Naphthalene	mg/kg	0.05	MCERTS	0.37	0.39	0.16
Acenaphthylene	mg/kg	0.05	MCERTS	0.63	0.17	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	2.6	0.91	0.45
Fluorene	mg/kg	0.05	MCERTS	2.9	0.85	0.24
Phenanthrene	mg/kg	0.05	MCERTS	23	7.4	2.8
Anthracene	mg/kg	0.05	MCERTS	7.3	2.3	0.97
Fluoranthene	mg/kg	0.05	MCERTS	36	12	7.1
Pyrene	mg/kg	0.05	MCERTS	30	10	6.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	13	5.3	3.1
Chrysene	mg/kg	0.05	MCERTS	11	4.8	2.9
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	13	6.1	3.9
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	5.5	2.4	1.4
Benzo(a)pyrene	mg/kg	0.05	MCERTS	11	5.3	3.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	5.6	2.1	1.3
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	1.4	0.42	0.37
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	6.1	2.4	1.5
Total PAH						
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	170	62.4	35.6
Heavy Metals / Metalloids						
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.4	6.9	7.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.2	0.2	0.3
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	17	16	18
Copper (aqua regia extractable)	mg/kg	1	MCERTS	24	26	42
Lead (aqua regia extractable)	mg/kg	1	MCERTS	62	55	68
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	14	13	13
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	94	76	660
Petroleum Hydrocarbons						
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01	< 0.01	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	< 0.02	< 0.02	< 0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	11	6.5	11
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	73	47	52
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	230	340	230
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	24	93	52
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	330	490	340
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	330	490	340

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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The results included within the report are representative of the samples submitted for analysis.

UKAS TESTING
4041

Normec i2 Analytical

Analytical Report Number: **26-004801**
Project / Site name: **Cherryfield Drive**
Your Order No: **13255**

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006 based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample	Analysis completed	Analyst ID
817037	6F2-104	-	271	Loose Fibres	**Chrysotile**	< 0.001	**< 0.001**	10/02/2026	JSW

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number : 26-004801
Project / Site name: Cherryfield Drive

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
817036	6F2-103	None Supplied	None Supplied	Brown sand with vegetation and stones
817037	6F2-104	None Supplied	None Supplied	Brown sand with vegetation and stones
817038	6F2-105	None Supplied	None Supplied	Brown sand with vegetation and stones

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Analytical Report Number : 26-004801
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number : 26-004801
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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The results included within the report are representative of the samples submitted for analysis.

e3p
Taylor Road
Urmston
Manchester

t:

e: lcalliss@e3p.co.uk
mwilson@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-005642

Project / Site name:	Cherryfield Drive	**Samples received on:**	04/02/2026
Your job number:	18 528	**Samples instructed on/ Analysis started on:**	04/02/2026
Your order number:	13274	**Analysis completed by:**	13/02/2026
Report Issue Number:	1	**Report issued on:**	13/02/2026
Samples Analysed:	1 soil sample		

Signed:

Caterina Bentley
Customer service Advisor
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 26-005642
Project / Site name: Cherryfield Drive
Your Order No: 13274

Lab Sample Number	821352
Sample Reference	6F2-106
Sample Number	None Supplied
Water Matrix	N/A
Depth (m)	None Supplied
Date Sampled	02/02/2026
Time Taken	None Supplied

Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	
Stone Content	%	0.1	NONE	26.6
Moisture Content	%	0.01	NONE	8.9
Total mass of sample received	kg	0.1	NONE	0.9

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	CAD
Analysis completed	N/A	N/A	N/A	10/02/2026

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	10.4
Total Cyanide	mg/kg	1	MCERTS	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	3200
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	1610
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.6

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80

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Analytical Report Number: 26-005642
Project / Site name: Cherryfield Drive
Your Order No: 13274

Lab Sample Number				821352
Sample Reference				6F2-106
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				None Supplied
Date Sampled				02/02/2026
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Heavy Metals / Metalloids				
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	15
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	13
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	190
Copper (aqua regia extractable)	mg/kg	1	MCERTS	2800
Lead (aqua regia extractable)	mg/kg	1	MCERTS	520
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	190
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	2
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	4400
Petroleum Hydrocarbons				
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	< 0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	< 2.0
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	< 4.0
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	< 10
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	< 10
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	< 10
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	< 10
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number : 26-005642
Project / Site name: Cherryfield Drive

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
821352	6F2-106	None Supplied	None Supplied	Brown sand with vegetation and stones

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Analytical Report Number : 26-005642
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

Analytical Report Number : 26-005642
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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The results included within the report are representative of the samples submitted for analysis.

e3p
Taylor Road
Urmston
Manchester

t:

e: lcalliss@e3p.co.uk
mwilson@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-009444

Project / Site name:	Cherryfield Drive	**Samples received on:**	24/02/2026
Your job number:	18-528	**Samples instructed on/ Analysis started on:**	24/02/2026
Your order number:	13461	**Analysis completed by:**	03/03/2026
Report Issue Number:	1	**Report issued on:**	03/03/2026
Samples Analysed:	1 soil sample		

Signed:

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 26-009444
Project / Site name: Cherryfield Drive
Your Order No: 13461

Lab Sample Number	840615
Sample Reference	6F2-107
Sample Number	None Supplied
Water Matrix	N/A
Depth (m)	None Supplied
Date Sampled	19/02/2026
Time Taken	None Supplied

Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	
Stone Content	%	0.1	NONE	52
Moisture Content	%	0.01	NONE	13
Total mass of sample received	kg	0.1	NONE	0.8
Whole Sample Crushed	N/A	N/A	NONE	Crushed
Asbestos				
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	CAD
Analysis completed	N/A	N/A	N/A	27/02/2026
General Inorganics				
pH (L099)	pH Units	N/A	MCERTS	12
Total Cyanide	mg/kg	1	MCERTS	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	12000
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	6100
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.5
Total Phenols				
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0
Speciated PAHs				
Naphthalene	mg/kg	0.05	MCERTS	0.21
Acenaphthylene	mg/kg	0.05	MCERTS	0.07
Acenaphthene	mg/kg	0.05	MCERTS	0.28
Fluorene	mg/kg	0.05	MCERTS	0.27
Phenanthrene	mg/kg	0.05	MCERTS	2.6
Anthracene	mg/kg	0.05	MCERTS	0.72
Fluoranthene	mg/kg	0.05	MCERTS	4.9
Pyrene	mg/kg	0.05	MCERTS	4.2
Benzo(a)anthracene	mg/kg	0.05	MCERTS	2.2
Chrysene	mg/kg	0.05	MCERTS	2.1
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	2.4
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.9
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.9
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.99
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.26
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.1
Total PAH				
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	25.2

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 26-009444
Project / Site name: Cherryfield Drive
Your Order No: 13461

Lab Sample Number				840615
Sample Reference				6F2-107
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				None Supplied
Date Sampled				19/02/2026
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Heavy Metals / Metalloids				
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	15
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	18
Copper (aqua regia extractable)	mg/kg	1	MCERTS	65
Lead (aqua regia extractable)	mg/kg	1	MCERTS	110
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.4
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	18
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	8.1
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	190
Petroleum Hydrocarbons				
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	< 0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	< 2.0
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	6.8
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	52
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	280
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	110
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	450
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	450

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number : 26-009444
Project / Site name: Cherryfield Drive

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
840615	6F2-107	None Supplied	None Supplied	Brown loam and clay with vegetation and stones

Analytical Report Number : 26-009444
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Whole Sample Crushed	Either: Client specific preparation instructions - sample(s) crushed whole prior to analysis OR Sample unsuitable for standard preparation and therefore crushed whole prior to analysis	In house method, applicable to dry samples only	L019B	D	NONE
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

Analytical Report Number : 26-009444
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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

e3p
Taylor Road
Urmston
Manchester

t:

e: lcalliss@e3p.co.uk; mwilson@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-011267

Project / Site name:	Cherryfield Drive	**Samples received on:**	04/03/2026
Your job number:	18 528	**Samples instructed on/ Analysis started on:**	04/03/2026
Your order number:	13574	**Analysis completed by:**	11/03/2026
Report Issue Number:	1	**Report issued on:**	11/03/2026
Samples Analysed:	2 soil samples		

Signed:

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 26-011267
Project / Site name: Cherryfield Drive
Your Order No: 13574

Lab Sample Number				849559	849560
Sample Reference				6F2-108	6F2-109
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				None Supplied	None Supplied
Date Sampled				03/03/2026	03/03/2026
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	12
Total mass of sample received	kg	0.1	NONE	1	0.9

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	PDO	PDO
Analysis completed	N/A	N/A	N/A	10/03/2026	10/03/2026

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	9.8	9.2
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	3400	3500
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	1700	1730
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.2	1.2

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	0.11
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.07
Acenaphthene	mg/kg	0.05	MCERTS	0.28	0.2
Fluorene	mg/kg	0.05	MCERTS	0.21	0.15
Phenanthrene	mg/kg	0.05	MCERTS	1.7	1.5
Anthracene	mg/kg	0.05	MCERTS	0.46	0.38
Fluoranthene	mg/kg	0.05	MCERTS	2.7	2.5
Pyrene	mg/kg	0.05	MCERTS	2.5	2.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.2	1.2
Chrysene	mg/kg	0.05	MCERTS	1.2	1.1
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	1.3	1.5
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.66	0.45
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.2	1.2
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.61	0.64
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.17	0.18
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.75	0.76

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	15	14.4

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Analytical Report Number: 26-011267
Project / Site name: Cherryfield Drive
Your Order No: 13574

Lab Sample Number				849559	849560
Sample Reference				6F2-108	6F2-109
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				None Supplied	None Supplied
Date Sampled				03/03/2026	03/03/2026
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
Heavy Metals / Metalloids					
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	10	9.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1.4	1.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	20	21
Copper (aqua regia extractable)	mg/kg	1	MCERTS	110	120
Lead (aqua regia extractable)	mg/kg	1	MCERTS	210	460
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	16	20
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.2
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	250	430
Petroleum Hydrocarbons					
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	< 0.02	< 0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	< 2.0	< 2.0
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	< 4.0	5.8
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	18	17
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	110	130
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	39	43
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	180	200
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	180	200

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 26-011267
Project / Site name: Cherryfield Drive

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
849559	6F2-108	None Supplied	None Supplied	Brown clay and sand with gravel and brick
849560	6F2-109	None Supplied	None Supplied	Brown clay and sand with gravel and brick

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Analytical Report Number : 26-011267
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

Analytical Report Number : 26-011267
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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e3p
Taylor Road
Urmston
Manchester

t:

e: lcalliss@e3p.co.uk; mwilson@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-011873

Project / Site name:	Cherryfield Drive	**Samples received on:**	06/03/2026
Your job number:	18 528	**Samples instructed on/ Analysis started on:**	06/03/2026
Your order number:	13600	**Analysis completed by:**	13/03/2026
Report Issue Number:	1	**Report issued on:**	13/03/2026
Samples Analysed:	2 soil samples		

Signed:

Rachel Chappell
Key Account Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 26-011873
Project / Site name: Cherryfield Drive
Your Order No: 13600

Lab Sample Number				852818	852819
Sample Reference				6F2-110	6F2-111
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				None Supplied	None Supplied
Date Sampled				05/03/2026	05/03/2026
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	27.6
Moisture Content	%	0.01	NONE	11	4.5
Total mass of sample received	kg	0.1	NONE	1	1
Asbestos					
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	JWU	JWU
Analysis completed	N/A	N/A	N/A	13/03/2026	13/03/2026
General Inorganics					
pH (L099)	pH Units	N/A	MCERTS	10.4	11.2
Total Cyanide	mg/kg	1	MCERTS	2.2	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	2500	730
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	1240	366
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.3	2.4
Total Phenols					
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0
Speciated PAHs					
Naphthalene	mg/kg	0.05	MCERTS	0.93	0.64
Acenaphthylene	mg/kg	0.05	MCERTS	0.24	0.14
Acenaphthene	mg/kg	0.05	MCERTS	0.96	1.2
Fluorene	mg/kg	0.05	MCERTS	1.1	0.92
Phenanthrene	mg/kg	0.05	MCERTS	5	6.1
Anthracene	mg/kg	0.05	MCERTS	1.6	1.6
Fluoranthene	mg/kg	0.05	MCERTS	6.7	7.7
Pyrene	mg/kg	0.05	MCERTS	5.7	7.2
Benzo(a)anthracene	mg/kg	0.05	MCERTS	2.8	3.5
Chrysene	mg/kg	0.05	MCERTS	2.9	3.2
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	3.2	4.3
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	1.6	1.4
Benzo(a)pyrene	mg/kg	0.05	MCERTS	3	3.5
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.5	1.7
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.41	0.44
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.8	2
Total PAH					
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	39.5	45.5

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Analytical Report Number: 26-011873
Project / Site name: Cherryfield Drive
Your Order No: 13600

Lab Sample Number				852818	852819
Sample Reference				6F2-110	6F2-111
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				None Supplied	None Supplied
Date Sampled				05/03/2026	05/03/2026
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
Heavy Metals / Metalloids					
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.6	7.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	0.4
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	26	19
Copper (aqua regia extractable)	mg/kg	1	MCERTS	43	96
Lead (aqua regia extractable)	mg/kg	1	MCERTS	58	54
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	18	19
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	140	88
Petroleum Hydrocarbons					
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	< 0.02	< 0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	< 2.0	3.5
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	< 4.0	23
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	19	96
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	150	610
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	76	370
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	250	1100
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	250	1100

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 26-011873
Project / Site name: Cherryfield Drive

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
852818	6F2-110	None Supplied	None Supplied	Grey clay and sand with gravel
852819	6F2-111	None Supplied	None Supplied	Brown sand with gravel and stones

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number : 26-011873
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

Analytical Report Number : 26-011873
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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

e3p
Taylor Road
Urmston
Manchester

t:

e: lcalliss@e3p.co.uk; mwilson@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-018701

Project / Site name:	Cherryfield Drive	**Samples received on:**	10/04/2026
Your job number:	18-528	**Samples instructed on/ Analysis started on:**	10/04/2026
Your order number:	13862	**Analysis completed by:**	21/04/2026
Report Issue Number:	1	**Report issued on:**	21/04/2026
Samples Analysed:	3 soil samples		

Signed:

Adam Fenwick
Customer Relationship Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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

Analytical Report Number: 26-018701
Project / Site name: Cherryfield Drive
Your Order No: 13862

Lab Sample Number				885676	885677	885678
Sample Reference				6F2-112	6F2-113	6F2-114
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				09/04/2026	09/04/2026	09/04/2026
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			
Mass of stone >10mm	%	0.1	NONE	0.3	3.3	5.3
Moisture Content	%	0.01	NONE	7.4	9.3	7.5
Total mass of sample received	kg	0.1	NONE	1	1.1	1.1

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Detected
Asbestos Analyst ID	N/A	N/A	N/A	KMC	KMC	KMC
Analysis completed	N/A	N/A	N/A	16/04/2026	16/04/2026	16/04/2026
Actinolite detected	Type	N/A	ISO 17025	-	-	Not-detected
Amosite detected	Type	N/A	ISO 17025	-	-	Not-detected
Anthophyllite detected	Type	N/A	ISO 17025	-	-	Not-detected
Chrysotile detected	Type	N/A	ISO 17025	-	-	Detected
Crocidolite detected	Type	N/A	ISO 17025	-	-	Not-detected
Tremolite detected	Type	N/A	ISO 17025	-	-	Not-detected
Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	< 0.001
Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	Loose Fibres

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	11.7	11.1	11.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	310	520	540
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	156	261	271
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1	0.7	0.7

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0

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Analytical Report Number: 26-018701
Project / Site name: Cherryfield Drive
Your Order No: 13862

Lab Sample Number				885676	885677	885678
Sample Reference				6F2-112	6F2-113	6F2-114
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				09/04/2026	09/04/2026	09/04/2026
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			
Speciated PAHs						
Naphthalene	mg/kg	0.05	MCERTS	0.63	0.32	0.53
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.95	0.43	0.31
Fluorene	mg/kg	0.05	MCERTS	0.68	0.35	0.23
Phenanthrene	mg/kg	0.05	MCERTS	5	2.9	1.9
Anthracene	mg/kg	0.05	MCERTS	1.1	0.58	0.44
Fluoranthene	mg/kg	0.05	MCERTS	4.9	3.5	2.3
Pyrene	mg/kg	0.05	MCERTS	4.7	3.5	2.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.9	1.6	1.1
Chrysene	mg/kg	0.05	MCERTS	1.9	1.6	1.1
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	2.4	1.6	1.4
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.63	0.8	0.51
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.9	1.6	1.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.94	0.7	0.55
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.2	0.15
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.2	1	0.74
Total PAH						
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	28.7	20.6	14.8
Heavy Metals / Metalloids						
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	6.1	6.8	7.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	0.7	0.8
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	18	19	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	45	89	78
Lead (aqua regia extractable)	mg/kg	1	MCERTS	47	61	68
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	14	18	23
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	130	190	250
Petroleum Hydrocarbons						
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01	< 0.01	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	0.05	< 0.02	< 0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	14	6.5	< 4.0
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	34	25	17
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	170	110	77
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	66	48	39
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	290	190	130
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	290	190	130

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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4041

Analytical Report Number: **26-018701**
Project / Site name: **Cherryfield Drive**
Your Order No: **13862**

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006 based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample	Analysis completed	Analyst ID
885678	6F2-114	None Supplied	297	Loose Fibres	**Chrysotile**	< 0.001	**< 0.001**	16/04/2026	KMC

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

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Analytical Report Number : 26-018701
Project / Site name: Cherryfield Drive

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
885676	6F2-112	None Supplied	None Supplied	Brown sand with gravel and stones
885677	6F2-113	None Supplied	None Supplied	Brown clay and sand with gravel and stones
885678	6F2-114	None Supplied	None Supplied	Brown sand with gravel and stones

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number : 26-018701
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number : 26-018701
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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The results included within the report are representative of the samples submitted for analysis.

e3p
Taylor Road
Urmston
Manchester

t:

e: lcalliss@e3p.co.uk; mwilson@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-015609

Project / Site name:	Cherryfield Drive	**Samples received on:**	25/03/2026
Your job number:	18-528	**Samples instructed on/ Analysis started on:**	25/03/2026
Your order number:	13755	**Analysis completed by:**	08/04/2026
Report Issue Number:	1	**Report issued on:**	08/04/2026
Samples Analysed:	2 soil samples - 2 leachate samples		

Signed:

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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

Analytical Report Number: 26-015609
Project / Site name: Cherryfield Drive
Your Order No: 13755

Lab Sample Number				870336	870337
Sample Reference				TP501	TP505
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.50	0.30
Date Sampled				24/03/2026	24/03/2026
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
Mass of stone >10mm	%	0.1	NONE	48.8	46
Moisture Content	%	0.01	NONE	15	11
Total mass of sample received	kg	0.1	NONE	1.8	1.8

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Detected	Detected
Asbestos Analyst ID	N/A	N/A	N/A	JSW	JSW
Analysis completed	N/A	N/A	N/A	31/03/2026	31/03/2026
Actinolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Amosite detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Anthophyllite detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Chrysotile detected	Type	N/A	ISO 17025	Detected	Detected
Crocidolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Tremolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Asbestos % by hand picking/weighing	%	0.001	ISO 17025	< 0.001	< 0.001
Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	Loose Fibres	Loose Fibres

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.2	9.2
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	1200	2100
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	606	1030
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.7	0.7

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 26-015609
Project / Site name: Cherryfield Drive
Your Order No: 13755

Lab Sample Number				870336	870337
Sample Reference				TP501	TP505
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.50	0.30
Date Sampled				24/03/2026	24/03/2026
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
Speciated PAHs					
Naphthalene	mg/kg	0.05	MCERTS	0.28	0.16
Acenaphthylene	mg/kg	0.05	MCERTS	0.06	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.15	0.07
Fluorene	mg/kg	0.05	MCERTS	0.1	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	1.3	0.58
Anthracene	mg/kg	0.05	MCERTS	0.33	0.12
Fluoranthene	mg/kg	0.05	MCERTS	2.8	1.3
Pyrene	mg/kg	0.05	MCERTS	2.7	1.7
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.2	0.76
Chrysene	mg/kg	0.05	MCERTS	1.5	0.89
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	1.8	1.1
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.85	0.35
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.7	0.77
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1	0.45
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.23	0.09
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.3	0.53
Total PAH					
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	17.4	8.87
Heavy Metals / Metalloids					
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.8	9.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	18	16
Copper (aqua regia extractable)	mg/kg	1	MCERTS	29	25
Lead (aqua regia extractable)	mg/kg	1	MCERTS	110	96
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15	14
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.2
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	130	120
Petroleum Hydrocarbons					
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	< 0.02	< 0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	< 2.0	< 2.0
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	< 4.0	< 4.0
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	15	14
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	82	97
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	22	40
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	120	160
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	120	160

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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The results included within the report are representative of the samples submitted for analysis.

UKAS TESTING
4041

Normec i2 Analytical

Analytical Report Number: **26-015609**
Project / Site name: **Cherryfield Drive**
Your Order No: **13755**

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006 based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample	Analysis completed	Analyst ID
870336	TP501	0.5	235	Loose Fibres	**Chrysotile**	< 0.001	**< 0.001**	31/03/2026	JSW
870337	TP505	0.3	236	Loose Fibres	**Chrysotile**	< 0.001	**< 0.001**	31/03/2026	JSW

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

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Analytical Report Number: 26-015609
Project / Site name: Cherryfield Drive

Your Order No: 13755

Lab Sample Number				870336	870337
Sample Reference				TP501	TP505
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.50	0.30
Date Sampled				24/03/2026	24/03/2026
Time Taken				None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status		
General Inorganics					
pH (automated)	pH Units	N/A	ISO 17025	7.7	9.9
Total Cyanide (Low Level 1 µg/l)	µg/l	1	NONE	< 1.0	< 1.0
Total Phenols					
Total Phenols (monohydric) low level	µg/l	1	NONE	< 1.0	< 1.0
Speciated PAHs					
Naphthalene	µg/l	0.01	NONE	0.1	0.07
Acenaphthylene	µg/l	0.01	NONE	0.02	< 0.01
Acenaphthene	µg/l	0.01	NONE	0.08	< 0.01
Fluorene	µg/l	0.01	NONE	0.07	0.03
Phenanthrene	µg/l	0.01	NONE	0.13	0.07
Anthracene	µg/l	0.01	NONE	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	NONE	0.03	0.02
Pyrene	µg/l	0.01	NONE	0.02	0.03
Benzo(a)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01
Chrysene	µg/l	0.01	NONE	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01
Total PAH					
Total EPA-16 PAHs	µg/l	0.16	NONE	0.44	0.22
Heavy Metals / Metalloids					
Arsenic (dissolved)	µg/l	1	ISO 17025	4.3	5.3
Cadmium (dissolved)	µg/l	0.08	ISO 17025	< 0.08	< 0.08
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0
Chromium (dissolved)	µg/l	0.4	ISO 17025	7	4.2
Copper (dissolved)	µg/l	0.7	ISO 17025	9.5	2.9
Lead (dissolved)	µg/l	1	ISO 17025	9.4	< 1.0
Mercury (dissolved)	µg/l	0.5	ISO 17025	< 0.5	< 0.5
Nickel (dissolved)	µg/l	0.3	ISO 17025	2.5	< 0.3
Selenium (dissolved)	µg/l	4	ISO 17025	< 4.0	< 4.0
Zinc (dissolved)	µg/l	0.4	ISO 17025	21	0.8
Petroleum Hydrocarbons					
TPH - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	µg/l	1	NONE	< 1.0	< 1.0
TPH - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	µg/l	1	NONE	< 1.0	< 1.0
TPH - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	µg/l	1	NONE	< 1.0	< 1.0
TPH - Aliphatic >EC10 - EC12 $_{EH\_1D\_AL\_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC12 - EC16 $_{EH\_1D\_AL\_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC16 - EC21 $_{EH\_1D\_AL\_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC21 - EC35 $_{EH\_1D\_AL\_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC5 - EC35 $_{HS+EH\_1D\_AL\_MS}$	µg/l	10	NONE	< 10	< 10

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Analytical Report Number: 26-015609
Project / Site name: Cherryfield Drive

Your Order No: 13755

Lab Sample Number				870336	870337
Sample Reference				TP501	TP505
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.50	0.30
Date Sampled				24/03/2026	24/03/2026
Time Taken				None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status		
TPH - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	µg/l	1	NONE	< 1.0	< 1.0
TPH - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	µg/l	1	NONE	< 1.0	< 1.0
TPH - Aromatic >EC8 - EC10 $_{EH\_1D\_AR\_MS}$	µg/l	1	NONE	< 1.0	< 1.0
TPH - Aromatic >EC10 - EC12 $_{EH\_1D\_AR\_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC12 - EC16 $_{EH\_1D\_AR\_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC16 - EC21 $_{EH\_1D\_AR\_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC21 - EC35 $_{EH\_1D\_AR\_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC6 - EC35 $_{HS+EH\_1D\_AR\_MS}$	µg/l	10	NONE	< 10	< 10
TPH (EC10 - EC40) $_{EH\_1D\_TOTAL\_MS}$	µg/l	10	NONE	< 10	< 10

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	NONE	< 3.0	< 3.0
Benzene	µg/l	1	NONE	< 1.0	< 1.0
Toluene	µg/l	1	NONE	< 1.0	< 1.0
Ethylbenzene	µg/l	1	NONE	< 1.0	< 1.0
p & m-xylene	µg/l	1	NONE	< 1.0	< 1.0
o-xylene	µg/l	1	NONE	< 1.0	< 1.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 26-015609
Project / Site name: Cherryfield Drive

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
870336	TP501	None Supplied	0.5	Brown gravelly loam with brick and stones
870337	TP505	None Supplied	0.3	Brown gravelly loam with stones

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Analytical Report Number : 26-015609
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-MS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS with carbon banding aliphatic and aromatic	In-house method	L070B	W	NONE
Total petroleum hydrocarbons with carbon banding by GC-MS/GC-MS HS in leachate (Summed Bands)	Determination of total petroleum hydrocarbons in leachate by GC-MS/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L070B/L088-PL	W	NONE
Total petroleum hydrocarbons by GC-MS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS	In-house method	L070B	W	NONE
BTEX and/or Volatile organic compounds in leachate	Determination of volatile organic compounds in leachate by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	NONE
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	ISO 17025

Analytical Report Number : 26-015609
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols (low level) in leachate	Determination of phenols in leachate by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide (low level) in leachate	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	NONE
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in leachate	Determination of total petroleum hydrocarbons in leachate by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	NONE
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
pH at 20°C in leachate (automated)	Determination of pH in leachate by electrometric measurement	In-house method	L099-PL	W	ISO 17025
Speciated PAHs and/or Semi-volatile organic compounds in leachate	SVOCs and PAHs in leachate	In-house method	L102B		NONE
NRA Leachate 10:1		In-house method based on interim NRA guidance (1994)	L020B	W	NONE

Analytical Report Number : 26-015609
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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e3p
Taylor Road
Urmston
Manchester

t:

e: lcalliss@e3p.co.uk; mwilson@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-019198

Replaces Analytical Report Number: 26-019198, issue no. 1
Additional analysis undertaken.
Speciated Mercury added to sample 887939 as per client's request.

Project / Site name:	Cherryfield Drive	**Samples received on:**	27/03/2026
Your job number:	18-528	**Samples instructed on/ Analysis started on:**	15/04/2026
Your order number:	13784	**Analysis completed by:**	01/05/2026
Report Issue Number:	2	**Report issued on:**	02/05/2026
Samples Analysed:	6 soil samples - 1 leachate sample		

Signed:

Rachel Chappell
Key Account Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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Analytical Report Number: 26-019198
Project / Site name: Cherryfield Drive
Your Order No: 13784

Lab Sample Number				887934	887935	887936	887937	887938
Sample Reference				TP502	TP503	TP504	TP506	TP507
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.60	0.50	1.00	0.30	0.50
Date Sampled				26/03/2026	26/03/2026	26/03/2026	26/03/2026	26/03/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Mass of stone >10mm	%	0.1	NONE	11.7	6.1	4.9	13.4	15.8
Moisture Content	%	0.01	NONE	10	8.6	7.9	9.9	4.6
Total mass of sample received	kg	0.1	NONE	0.8	0.9	0.8	1	1
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SSZ	SSZ	SSZ	SSZ	SSZ
Analysis completed	N/A	N/A	N/A	20/04/2026	20/04/2026	20/04/2026	20/04/2026	20/04/2026
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	9.7	10.1	9.6	9.2	11.1
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	2000	1900	3500	4200	610
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	1020	929	1730	2100	305
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.7	0.9	0.7	0.7	2.1
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	0.09	0.1	0.12	0.23	0.24
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.06	0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.12	< 0.05	0.18	0.2	0.68
Fluorene	mg/kg	0.05	MCERTS	0.11	< 0.05	0.16	0.14	0.33
Phenanthrene	mg/kg	0.05	MCERTS	1.2	0.43	1.3	1.3	0.81
Anthracene	mg/kg	0.05	MCERTS	0.32	0.11	0.4	0.27	0.2
Fluoranthene	mg/kg	0.05	MCERTS	2.7	0.97	2.6	1.8	0.77
Pyrene	mg/kg	0.05	MCERTS	2.7	1.1	2.5	2	0.94
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.2	0.56	1.3	0.88	0.31
Chrysene	mg/kg	0.05	MCERTS	1.4	0.58	1.1	0.92	0.46
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	1.4	0.71	1.3	1.1	0.34
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.8	0.31	0.59	0.38	0.15
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.4	0.59	1.1	0.88	0.34
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.66	0.33	0.65	0.42	0.16
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.07	0.13	0.1	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.77	0.41	0.72	0.51	0.28
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	14.8	6.27	14.2	11.1	6.07

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Analytical Report Number: 26-019198
Project / Site name: Cherryfield Drive
Your Order No: 13784

Lab Sample Number				887934	887935	887936	887937	887938
Sample Reference				TP502	TP503	TP504	TP506	TP507
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.60	0.50	1.00	0.30	0.50
Date Sampled				26/03/2026	26/03/2026	26/03/2026	26/03/2026	26/03/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.1	9.8	8	9.6	3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	0.4	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	-	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	22	16	16	17	11
Copper (aqua regia extractable)	mg/kg	1	MCERTS	31	25	28	23	12
Lead (aqua regia extractable)	mg/kg	1	MCERTS	65	110	71	110	56
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	16	14	15	14	9.9
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.2	1.3	< 1.0	1.2
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	110	100	290	100	45
Speciated Mercury (Dry Weight)								
Inorganic Mercury	mg/kg	0.005	NONE	-	-	-	-	-
Organo-Mercury Species (including Methyl Hg)	mg/kg	0.005	NONE	-	-	-	-	-
Elemental Mercury	mg/kg	0.005	NONE	-	-	-	-	-
F1 - Water soluble	mg/kg	0.005	NONE	-	-	-	-	-
F2 - Weak acid	mg/kg	0.005	NONE	-	-	-	-	-
F3 - Organo- complexed	mg/kg	0.005	NONE	-	-	-	-	-
F4 - Strongly complexed	mg/kg	0.005	NONE	-	-	-	-	-
F5 - Mineral bound	mg/kg	0.005	NONE	-	-	-	-	-
Petroleum Hydrocarbons								
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	5.8	< 2.0	3.8	< 2.0	5.8
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	20	10	12	< 4.0	6.8
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	38	30	29	< 10	11
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	240	190	160	45	400
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	78	83	71	29	290
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	380	310	270	78	710
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	380	310	270	78	710

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 26-019198
Project / Site name: Cherryfield Drive
Your Order No: 13784

Lab Sample Number				887939
Sample Reference				SW-MG-105
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				None Supplied
Date Sampled				26/03/2026
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	
Mass of stone >10mm	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	18
Total mass of sample received	kg	0.1	NONE	1.3

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SSZ
Analysis completed	N/A	N/A	N/A	20/04/2026

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7
Total Cyanide	mg/kg	1	MCERTS	2.7
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	300
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	149
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	4.1

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.16
Acenaphthylene	mg/kg	0.05	MCERTS	0.08
Acenaphthene	mg/kg	0.05	MCERTS	0.31
Fluorene	mg/kg	0.05	MCERTS	0.28
Phenanthrene	mg/kg	0.05	MCERTS	6
Anthracene	mg/kg	0.05	MCERTS	1.5
Fluoranthene	mg/kg	0.05	MCERTS	16
Pyrene	mg/kg	0.05	MCERTS	13
Benzo(a)anthracene	mg/kg	0.05	MCERTS	7.1
Chrysene	mg/kg	0.05	MCERTS	6.4
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	7.4
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	3.6
Benzo(a)pyrene	mg/kg	0.05	MCERTS	6.3
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	3
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.72
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	3.2

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	75.6

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Analytical Report Number: 26-019198
Project / Site name: Cherryfield Drive
Your Order No: 13784

Lab Sample Number				887939
Sample Reference				SW-MG-105
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				None Supplied
Date Sampled				26/03/2026
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Heavy Metals / Metalloids				
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	75
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	3.1
Chromium (hexavalent)	mg/kg	1.8	MCERTS	U/S *U/S g
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	< 1.80
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	62
Copper (aqua regia extractable)	mg/kg	1	MCERTS	860
Lead (aqua regia extractable)	mg/kg	1	MCERTS	650
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	2.7
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	130
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	1700
Speciated Mercury (Dry Weight)				
Inorganic Mercury	mg/kg	0.005	NONE	1.977
Organo-Mercury Species (including Methyl Hg)	mg/kg	0.005	NONE	0.057
Elemental Mercury	mg/kg	0.005	NONE	0.42
F1 - Water soluble	mg/kg	0.005	NONE	0.054
F2 - Weak acid	mg/kg	0.005	NONE	0.142
F3 - Organo- complexed	mg/kg	0.005	NONE	0.057
F4 - Strongly complexed	mg/kg	0.005	NONE	0.42
F5 - Mineral bound	mg/kg	0.005	NONE	1.781
Petroleum Hydrocarbons				
TPH (>EC5 - EC10) HS_1D_TOTAL	mg/kg	1	NONE	< 1.0
TPH (>EC5 - EC6) HS_1D_TOTAL	mg/kg	0.1	NONE	< 0.1
TPH (>EC6 - EC8) HS_1D_TOTAL	mg/kg	0.01	MCERTS	< 0.01
TPH (>EC8 - EC10) HS_1D_TOTAL	mg/kg	0.02	MCERTS	< 0.02
TPH (>EC10 - EC12) EH_CU_1D_TOTAL	mg/kg	2	MCERTS	< 2.0
TPH (>EC12 - EC16) EH_CU_1D_TOTAL	mg/kg	4	MCERTS	< 4.0
TPH (>EC16 - EC21) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	42
TPH (>EC21 - EC35) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	120
TPH (>EC35 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	16
TPH Total >EC5 - EC40 EH_CU+HS_1D_TOTAL	mg/kg	10	NONE	180
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	180

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 26-019198
Project / Site name: Cherryfield Drive

Your Order No: 13784

Lab Sample Number				887939
Sample Reference				SW-MG-105
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				None Supplied
Date Sampled				26/03/2026
Time Taken				None Supplied
Analytical Parameter (Leachate Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
General Inorganics				
pH (automated)	pH Units	N/A	ISO 17025	7.2
Total Cyanide (Low Level 1 µg/l)	µg/l	1	NONE	< 1.0
Total Phenols				
Total Phenols (monohydric) low level	µg/l	1	NONE	1.3
Speciated PAHs				
Naphthalene	µg/l	0.01	NONE	< 0.01
Acenaphthylene	µg/l	0.01	NONE	< 0.01
Acenaphthene	µg/l	0.01	NONE	0.06
Fluorene	µg/l	0.01	NONE	0.04
Phenanthrene	µg/l	0.01	NONE	0.09
Anthracene	µg/l	0.01	NONE	< 0.01
Fluoranthene	µg/l	0.01	NONE	0.04
Pyrene	µg/l	0.01	NONE	0.06
Benzo(a)anthracene	µg/l	0.01	NONE	< 0.01
Chrysene	µg/l	0.01	NONE	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	NONE	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	NONE	< 0.01
Benzo(a)pyrene	µg/l	0.01	NONE	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01
Total PAH				
Total EPA-16 PAHs	µg/l	0.16	NONE	0.29

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Analytical Report Number: 26-019198
Project / Site name: Cherryfield Drive

Your Order No: 13784

Lab Sample Number				887939
Sample Reference				SW-MG-105
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				None Supplied
Date Sampled				26/03/2026
Time Taken				None Supplied
Analytical Parameter (Leachate Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Heavy Metals / Metalloids				
Arsenic (dissolved)	µg/l	1	ISO 17025	< 1.0
Cadmium (dissolved)	µg/l	0.08	ISO 17025	0.11
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0
Chromium (dissolved)	µg/l	0.4	ISO 17025	6.3
Copper (dissolved)	µg/l	0.7	ISO 17025	22
Lead (dissolved)	µg/l	1	ISO 17025	9
Mercury (dissolved)	µg/l	0.5	ISO 17025	< 0.5
Nickel (dissolved)	µg/l	0.3	ISO 17025	4.5
Selenium (dissolved)	µg/l	4	ISO 17025	< 4.0
Zinc (dissolved)	µg/l	0.4	ISO 17025	60
Petroleum Hydrocarbons				
TPH - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	µg/l	1	NONE	< 1.0
TPH - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	µg/l	1	NONE	< 1.0
TPH - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	µg/l	1	NONE	< 1.0
TPH - Aliphatic >EC10 - EC12 $_{EH\_1D\_AL\_MS}$	µg/l	10	NONE	< 10
TPH - Aliphatic >EC12 - EC16 $_{EH\_1D\_AL\_MS}$	µg/l	10	NONE	< 10
TPH - Aliphatic >EC16 - EC21 $_{EH\_1D\_AL\_MS}$	µg/l	10	NONE	< 10
TPH - Aliphatic >EC21 - EC35 $_{EH\_1D\_AL\_MS}$	µg/l	10	NONE	< 10
TPH - Aliphatic >EC5 - EC35 $_{HS+EH\_1D\_AL\_MS}$	µg/l	10	NONE	< 10
TPH - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	µg/l	1	NONE	< 1.0
TPH - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	µg/l	1	NONE	< 1.0
TPH - Aromatic >EC8 - EC10 $_{EH\_1D\_AR\_MS}$	µg/l	1	NONE	< 1.0
TPH - Aromatic >EC10 - EC12 $_{EH\_1D\_AR\_MS}$	µg/l	10	NONE	< 10
TPH - Aromatic >EC12 - EC16 $_{EH\_1D\_AR\_MS}$	µg/l	10	NONE	< 10
TPH - Aromatic >EC16 - EC21 $_{EH\_1D\_AR\_MS}$	µg/l	10	NONE	< 10
TPH - Aromatic >EC21 - EC35 $_{EH\_1D\_AR\_MS}$	µg/l	10	NONE	< 10
TPH - Aromatic >EC6 - EC35 $_{HS+EH\_1D\_AR\_MS}$	µg/l	10	NONE	< 10
TPH (EC10 - EC40) $_{EH\_1D\_TOTAL\_MS}$	µg/l	10	NONE	< 10
VOCs				
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	NONE	< 3.0
Benzene	µg/l	1	NONE	< 1.0
Toluene	µg/l	1	NONE	< 1.0
Ethylbenzene	µg/l	1	NONE	< 1.0
p & m-xylene	µg/l	1	NONE	< 1.0
o-xylene	µg/l	1	NONE	< 1.0

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Analytical Report Number : 26-019198
Project / Site name: Cherryfield Drive

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
887934	TP502	None Supplied	0.6	Brown clay and sand with gravel and stones
887935	TP503	None Supplied	0.5	Brown clay and sand with gravel and stones
887936	TP504	None Supplied	1	Brown sand with vegetation and stones
887937	TP506	None Supplied	0.3	Brown clay and sand with gravel and stones
887938	TP507	None Supplied	0.5	Brown clay and sand with stones
887939	SW-MG-105	None Supplied	None Supplied	Brown sand with glass and gravel

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Analytical Report Number : 26-019198
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

Analytical Report Number : 26-019198
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
Hexavalent chromium in soil by Ion Chromatography	Determination of hexavalent chromium in alkaline soil extract by use of ion chromatography with spectrophotometric detection	In-house method	L130B	W	NONE
Total petroleum hydrocarbons with carbon banding by GC-MS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS with carbon banding aliphatic and aromatic	In-house method	L070B	W	NONE
Total petroleum hydrocarbons with carbon banding by GC-MS/GC-MS HS in leachate (Summed Bands)	Determination of total petroleum hydrocarbons in leachate by GC-MS/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L070B/L088-PL	W	NONE
Total petroleum hydrocarbons by GC-MS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS	In-house method	L070B	W	NONE
BTEX and/or Volatile organic compounds in leachate	Determination of volatile organic compounds in leachate by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	NONE
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	ISO 17025
Monohydric phenols (low level) in leachate	Determination of phenols in leachate by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	NONE
Total cyanide (low level) in leachate	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	NONE
Speciated Mercury in soil by PSA Millenium	Determination of Speciated Mercury in soil by PSA Millenium	In-house method	L085B	D	NONE
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in leachate	Determination of total petroleum hydrocarbons in leachate by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	NONE
pH at 20°C in leachate (automated)	Determination of pH in leachate by electrometric measurement	In-house method	L099-PL	W	ISO 17025
Speciated PAHs and/or Semi-volatile organic compounds in leachate	SVOCs and PAHs in leachate	In-house method	L102B		NONE

Analytical Report Number : 26-019198
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
NRA Leachate 10:1		In-house method based on interim NRA guidance (1994)	L020B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

*U/S g- Unsuitable for analysis due to high colour intensity.

e3p
Taylor Road
Urmston
Manchester

t:

e: lcalliss@e3p.co.uk; mwilson@e3p.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-031756

Replaces Analytical Report Number: 26-031756, issue no. 1
Additional analysis undertaken.
Speciated Mercury testing added to sample 950051 as per client's request.

Project / Site name:	Cherryfield Drive	**Samples received on:**	12/06/2026
Your job number:	18-528	**Samples instructed on/ Analysis started on:**	12/06/2026
Your order number:	14389	**Analysis completed by:**	08/07/2026
Report Issue Number:	2	**Report issued on:**	08/07/2026
Samples Analysed:	13 soil samples - 6 leachate samples		

Signed:

Adan Cazas Garcia
Key Account Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 26-031756
Project / Site name: Cherryfield Drive
Your Order No: 14389

Lab Sample Number				950045	950046	950047	950048	950049
Sample Reference				SW-MG-109	SW-MG-110	SW-MG-111	SW-MG-112	SW-MG-113
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied	0.50	0.50
Date Sampled				11/06/2026	11/06/2026	11/06/2026	11/06/2026	11/06/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Mass of stone >10mm	%	0.1	NONE	< 0.1	15.7	3.2	< 0.1	11.4
Moisture Content	%	0.01	NONE	24	27	29	23	21
Total mass of sample received	kg	0.1	NONE	1.7	0.8	0.9	1.6	0.8

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Detected	Detected	Detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MBI	MBI	MBI	MBI	MBI
Analysis completed	N/A	N/A	N/A	19/06/2026	19/06/2026	19/06/2026	19/06/2026	19/06/2026
Actinolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	-	-
Amosite detected	Type	N/A	ISO 17025	Detected	Not-detected	Not-detected	-	-
Anthophyllite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	-	-
Chrysotile detected	Type	N/A	ISO 17025	Not-detected	Detected	Detected	-	-
Crocidolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	-	-
Tremolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	< 0.001	0.028	< 0.001	-	-

Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	Loose Fibres	Loose Fibrous Debris	Loose Fibres	-	-

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8	7.8	7.8	7.9	7.9
Total Cyanide	mg/kg	1	MCERTS	3	1	2.5	1.7	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	350	730	730	320	490
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	177	363	363	161	245
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	3.7	4	3.6	4	4.6

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.15	0.15	0.09	0.22	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.19	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.42	0.09	0.1	0.28	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.38	0.08	0.07	0.19	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	5.6	1.3	1	2.4	0.46
Anthracene	mg/kg	0.05	MCERTS	1.4	0.34	0.26	0.77	0.14
Fluoranthene	mg/kg	0.05	MCERTS	15	4.1	2.9	8.4	1.3
Pyrene	mg/kg	0.05	MCERTS	14	3.9	2.9	8.8	1.2
Benzo(a)anthracene	mg/kg	0.05	MCERTS	6.9	2.5	1.7	4.4	0.74
Chrysene	mg/kg	0.05	MCERTS	7.4	2.4	1.7	4.8	0.82
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	11	3.5	2.3	6.7	1
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	3.2	1.5	1	2.1	0.58
Benzo(a)pyrene	mg/kg	0.05	MCERTS	8	2.9	1.9	5.3	0.93
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	4.3	1.5	1	3	0.53
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	1.2	0.43	0.32	0.75	0.14
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	5	1.8	1.2	3.6	0.68

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	83.5	26.4	18.5	51.7	8.48

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Analytical Report Number: 26-031756
Project / Site name: Cherryfield Drive
Your Order No: 14389

Lab Sample Number				950045	950046	950047	950048	950049
Sample Reference				SW-MG-109	SW-MG-110	SW-MG-111	SW-MG-112	SW-MG-113
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied	0.50	0.50
Date Sampled				11/06/2026	11/06/2026	11/06/2026	11/06/2026	11/06/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	78	81	76	120	77
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	3.8	2.3	2.2	3.1	1.8
Chromium (hexavalent)	mg/kg	1.8	MCERTS	U/S *U/S g	U/S *U/S g	U/S *U/S g	U/S *U/S g	2
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	< 1.80	< 1.80	< 1.80	< 1.80	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	59	56	51	65	47
Copper (aqua regia extractable)	mg/kg	1	MCERTS	1100	670	450	900	920
Lead (aqua regia extractable)	mg/kg	1	MCERTS	880	720	900	1200	610
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	3.9	1.1	2	0.6	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	130	140	130	170	130
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.6	< 1.0	1.2	< 1.0	1
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	1600	1300	1100	1700	1400
Speciated Mercury (Dry Weight)								
Inorganic Mercury	mg/kg	0.005	NONE	-	-	-	-	-
Organo-Mercury Species (including Methyl Hg)	mg/kg	0.005	NONE	-	-	-	-	-
Elemental Mercury	mg/kg	0.005	NONE	-	-	-	-	-
F1 - Water soluble	mg/kg	0.005	NONE	-	-	-	-	-
F2 - Weak acid	mg/kg	0.005	NONE	-	-	-	-	-
F3 - Organo- complexed	mg/kg	0.005	NONE	-	-	-	-	-
F4 - Strongly complexed	mg/kg	0.005	NONE	-	-	-	-	-
F5 - Mineral bound	mg/kg	0.005	NONE	-	-	-	-	-
Petroleum Hydrocarbons								
TPH (>EC5 - EC10) HS_1D_TOTAL	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (>EC5 - EC6) HS_1D_TOTAL	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TPH (>EC6 - EC8) HS_1D_TOTAL	mg/kg	0.01	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TPH (>EC8 - EC10) HS_1D_TOTAL	mg/kg	0.02	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
TPH (>EC10 - EC12) EH_CU_1D_TOTAL	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH (>EC12 - EC16) EH_CU_1D_TOTAL	mg/kg	4	MCERTS	6.7	< 4.0	< 4.0	< 4.0	< 4.0
TPH (>EC16 - EC21) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	58	12	15	39	< 10
TPH (>EC21 - EC35) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	210	68	120	170	13
TPH (>EC35 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	33	12	22	37	< 10
TPH Total >EC5 - EC40 EH_CU+HS_1D_TOTAL	mg/kg	10	NONE	310	92	160	250	19
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	310	92	160	250	19

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 26-031756
Project / Site name: Cherryfield Drive
Your Order No: 14389

Lab Sample Number				950050	950051	950052	950053	950054
Sample Reference				SW-MG-114	SW-MG-115	SW-MG-116	SW-MG-117	SW-MG-118
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	0.50	None Supplied	None Supplied	None Supplied
Date Sampled				11/06/2026	11/06/2026	11/06/2026	11/06/2026	11/06/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Mass of stone >10mm	%	0.1	NONE	6	11	31.1	5.7	9.1
Moisture Content	%	0.01	NONE	25	24	6.7	8.5	9.1
Total mass of sample received	kg	0.1	NONE	1.5	0.8	2	1.1	2

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	KJK	KJK	KJK	KJK	KJK
Analysis completed	N/A	N/A	N/A	19/06/2026	19/06/2026	19/06/2026	19/06/2026	19/06/2026
Actinolite detected	Type	N/A	ISO 17025	-	Not-detected	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	Detected	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	Not-detected	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	Detected	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	Not-detected	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	Not-detected	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	< 0.001	-	-	-

Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	Loose Fibres	-	-	-

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8	7.7	10.9	9.9	9.6
Total Cyanide	mg/kg	1	MCERTS	1.6	1.5	< 1.0	< 1.0	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	290	370	380	470	340
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	143	186	192	235	168
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	3.4	3.7	1.5	1.6	1

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.06	0.11	< 0.05	0.11
Acenaphthene	mg/kg	0.05	MCERTS	0.13	0.09	0.11	< 0.05	0.26
Fluorene	mg/kg	0.05	MCERTS	0.1	0.07	0.08	< 0.05	0.05
Phenanthrene	mg/kg	0.05	MCERTS	1.9	1	0.59	0.43	0.33
Anthracene	mg/kg	0.05	MCERTS	0.65	0.34	0.25	0.18	0.38
Fluoranthene	mg/kg	0.05	MCERTS	7.2	3.8	3.2	1.8	5.8
Pyrene	mg/kg	0.05	MCERTS	6.9	3.8	3.9	2	5.6
Benzo(a)anthracene	mg/kg	0.05	MCERTS	4.5	2.4	2	1.2	3
Chrysene	mg/kg	0.05	MCERTS	4.1	2.2	2.2	1.1	2.9
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	6	3	4.3	2.1	4.4
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	2.4	1.2	1.7	0.89	1.6
Benzo(a)pyrene	mg/kg	0.05	MCERTS	4.7	2.5	4.3	2.1	3.7
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	2.5	1.5	2.2	1.2	1.7
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.68	0.42	0.57	0.37	0.45
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	2.9	1.6	2.6	1.7	1.9

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	44.6	23.9	28.2	14.8	32.1

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Analytical Report Number: 26-031756
Project / Site name: Cherryfield Drive
Your Order No: 14389

Lab Sample Number				950050	950051	950052	950053	950054
Sample Reference				SW-MG-114	SW-MG-115	SW-MG-116	SW-MG-117	SW-MG-118
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	0.50	None Supplied	None Supplied	None Supplied
Date Sampled				11/06/2026	11/06/2026	11/06/2026	11/06/2026	11/06/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	64	120	5.9	7.8	4.1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1.4	4.8	0.2	0.3	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	2.8	2.1	< 1.8	< 1.8	< 1.8
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	-	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	52	70	15	17	13
Copper (aqua regia extractable)	mg/kg	1	MCERTS	450	1500	26	32	17
Lead (aqua regia extractable)	mg/kg	1	MCERTS	540	890	42	59	40
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.9	1.7	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	110	190	16	17	12
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.4	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	980	2300	76	82	51
Speciated Mercury (Dry Weight)								
Inorganic Mercury	mg/kg	0.005	NONE	-	1.523	-	-	-
Organo-Mercury Species (including Methyl Hg)	mg/kg	0.005	NONE	-	0.114	-	-	-
Elemental Mercury	mg/kg	0.005	NONE	-	0.78	-	-	-
F1 - Water soluble	mg/kg	0.005	NONE	-	0.16	-	-	-
F2 - Weak acid	mg/kg	0.005	NONE	-	0.328	-	-	-
F3 - Organo- complexed	mg/kg	0.005	NONE	-	0.114	-	-	-
F4 - Strongly complexed	mg/kg	0.005	NONE	-	0.78	-	-	-
F5 - Mineral bound	mg/kg	0.005	NONE	-	1.035	-	-	-
Petroleum Hydrocarbons								
TPH (>EC5 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (>EC5 - EC6) $_{HS\_1D\_TOTAL}$	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TPH (>EC6 - EC8) $_{HS\_1D\_TOTAL}$	mg/kg	0.01	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	0.02	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	2.3
TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	4	MCERTS	< 4.0	5.1	5	< 4.0	4.3
TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	30	18	19	11	30
TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	130	83	250	340	200
TPH (>EC35 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	20	13	120	180	73
TPH Total >EC5 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	180	120	400	530	310
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	180	120	400	530	310

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 26-031756
Project / Site name: Cherryfield Drive
Your Order No: 14389

Lab Sample Number				950055	950056	950057
Sample Reference				SW-MG-119	SW-MG-120	SW-MG-121
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				11/06/2026	11/06/2026	11/06/2026
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			
Mass of stone >10mm	%	0.1	NONE	< 0.1	< 0.1	19.2
Moisture Content	%	0.01	NONE	13	12	16
Total mass of sample received	kg	0.1	NONE	1.4	2	1.1

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Detected
Asbestos Analyst ID	N/A	N/A	N/A	KKR	KKR	KKR
Analysis completed	N/A	N/A	N/A	19/06/2026	19/06/2026	19/06/2026
Actinolite detected	Type	N/A	ISO 17025	-	-	Not-detected
Amosite detected	Type	N/A	ISO 17025	-	-	Detected
Anthophyllite detected	Type	N/A	ISO 17025	-	-	Not-detected
Chrysotile detected	Type	N/A	ISO 17025	-	-	Not-detected
Crocidolite detected	Type	N/A	ISO 17025	-	-	Not-detected
Tremolite detected	Type	N/A	ISO 17025	-	-	Not-detected

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	< 0.001

Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	Loose Fibres

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	9.2	8.2	8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	290	360	150
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	146	180	73.1
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.8	1.1	2.2

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	0.05	0.11
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.08	0.55
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.05	0.26
Phenanthrene	mg/kg	0.05	MCERTS	0.21	0.46	2.3
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.08	0.53
Fluoranthene	mg/kg	0.05	MCERTS	0.27	0.78	4.6
Pyrene	mg/kg	0.05	MCERTS	0.28	0.82	4.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.17	0.42	1.7
Chrysene	mg/kg	0.05	MCERTS	0.2	0.47	1.8
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.27	0.52	2
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.21	0.69
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.21	0.42	1.9
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.1	0.23	0.88
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.18
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.11	0.29	1.1

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	1.83	4.91	23

Analytical Report Number: 26-031756
Project / Site name: Cherryfield Drive
Your Order No: 14389

Lab Sample Number				950055	950056	950057
Sample Reference				SW-MG-119	SW-MG-120	SW-MG-121
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				11/06/2026	11/06/2026	11/06/2026
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			
Heavy Metals / Metalloids						
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	4.5	10	14
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	< 0.2	0.3
Chromium (hexavalent)	mg/kg	1.8	MCERTS	U/S *U/S g	< 1.8	U/S *U/S g
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	< 1.80	-	< 1.80
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	14	17	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	20	35	56
Lead (aqua regia extractable)	mg/kg	1	MCERTS	21	93	75
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	0.7	0.5
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	13	15	19
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120	91	130
Speciated Mercury (Dry Weight)						
Inorganic Mercury	mg/kg	0.005	NONE	-	-	-
Organo-Mercury Species (including Methyl Hg)	mg/kg	0.005	NONE	-	-	-
Elemental Mercury	mg/kg	0.005	NONE	-	-	-
F1 - Water soluble	mg/kg	0.005	NONE	-	-	-
F2 - Weak acid	mg/kg	0.005	NONE	-	-	-
F3 - Organo- complexed	mg/kg	0.005	NONE	-	-	-
F4 - Strongly complexed	mg/kg	0.005	NONE	-	-	-
F5 - Mineral bound	mg/kg	0.005	NONE	-	-	-
Petroleum Hydrocarbons						
TPH (>EC5 - EC10) HS_1D_TOTAL	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0
TPH (>EC5 - EC6) HS_1D_TOTAL	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1
TPH (>EC6 - EC8) HS_1D_TOTAL	mg/kg	0.01	MCERTS	< 0.01	< 0.01	< 0.01
TPH (>EC8 - EC10) HS_1D_TOTAL	mg/kg	0.02	MCERTS	< 0.02	< 0.02	< 0.02
TPH (>EC10 - EC12) EH_CU_1D_TOTAL	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0
TPH (>EC12 - EC16) EH_CU_1D_TOTAL	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0
TPH (>EC16 - EC21) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10	< 10	< 10
TPH (>EC21 - EC35) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10	16	27
TPH (>EC35 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10	< 10	< 10
TPH Total >EC5 - EC40 EH_CU+HS_1D_TOTAL	mg/kg	10	NONE	< 10	18	31
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10	18	31

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number:	**26-031756**
Project / Site name:	**Cherryfield Drive**
Your Order No:	**14389**

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006 based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample	Analysis completed	Analyst ID
950045	SW-MG-109	None Supplied	214	Loose Fibres	**Amosite**	< 0.001	**< 0.001**	19/06/2026	MBI
950046	SW-MG-110	None Supplied	139	Loose Fibrous Debris	**Chrysotile**	0.028	**0.028**	19/06/2026	MBI
950047	SW-MG-111	None Supplied	158	Loose Fibres	**Chrysotile**	< 0.001	**< 0.001**	19/06/2026	MBI
950051	SW-MG-115	0.5	142	Loose Fibres	**Amosite & Chrysotile**	< 0.001	**< 0.001**	19/06/2026	KJK
950057	SW-MG-121	None Supplied	249	Loose Fibres	**Amosite**	< 0.001	**< 0.001**	19/06/2026	KKR

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

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Analytical Report Number: 26-031756
Project / Site name: Cherryfield Drive

Your Order No: 14389

Lab Sample Number				950045	950048	950050	950052	950054
Sample Reference				SW-MG-109	SW-MG-112	SW-MG-114	SW-MG-116	SW-MG-118
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	0.50	0.50	None Supplied	None Supplied
Date Sampled				11/06/2026	11/06/2026	11/06/2026	11/06/2026	11/06/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status					
General Inorganics								
pH (automated)	pH Units	N/A	ISO 17025	7.9	7.7	7.6	7.6	8.4
Total Cyanide (Low Level 1 µg/l)	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Phenols								
Total Phenols (monohydric) low level	µg/l	1	NONE	< 1.0	1.8	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	0.09	0.06
Acenaphthylene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	0.02	< 0.01
Acenaphthene	µg/l	0.01	NONE	0.04	0.01	0.01	0.03	0.01
Fluorene	µg/l	0.01	NONE	0.03	0.01	0.01	0.02	0.02
Phenanthrene	µg/l	0.01	NONE	0.06	0.04	0.03	0.05	0.03
Anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	NONE	0.06	0.01	< 0.01	0.06	0.03
Pyrene	µg/l	0.01	NONE	0.06	0.01	< 0.01	0.05	0.03
Benzo(a)anthracene	µg/l	0.01	NONE	0.03	< 0.01	< 0.01	0.05	< 0.01
Chrysene	µg/l	0.01	NONE	0.03	< 0.01	< 0.01	0.05	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Total PAH								
Total EPA-16 PAHs	µg/l	0.16	NONE	0.3	< 0.16	< 0.16	0.43	0.2
Heavy Metals / Metalloids								
Arsenic (dissolved)	µg/l	1	ISO 17025	2.5	2.7	2.6	3.4	4.9
Cadmium (dissolved)	µg/l	0.08	ISO 17025	< 0.08	< 0.08	0.1	< 0.08	0.11
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (dissolved)	µg/l	0.4	ISO 17025	5.9	2.7	2.1	3.3	6.7
Copper (dissolved)	µg/l	0.7	ISO 17025	14	5.9	5.1	8.8	7.4
Lead (dissolved)	µg/l	1	ISO 17025	17	4.4	3.3	5.7	11
Mercury (dissolved)	µg/l	0.5	ISO 17025	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Nickel (dissolved)	µg/l	0.3	ISO 17025	3.8	1.1	1.4	3.1	5
Selenium (dissolved)	µg/l	4	ISO 17025	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Zinc (dissolved)	µg/l	0.4	ISO 17025	47	14	12	23	27

Analytical Report Number: 26-031756
Project / Site name: Cherryfield Drive

Your Order No: 14389

Lab Sample Number				950045	950048	950050	950052	950054
Sample Reference				SW-MG-109	SW-MG-112	SW-MG-114	SW-MG-116	SW-MG-118
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	0.50	0.50	None Supplied	None Supplied
Date Sampled				11/06/2026	11/06/2026	11/06/2026	11/06/2026	11/06/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Petroleum Hydrocarbons								
TPH - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH - Aliphatic >EC10 - EC12 $_{EH\_1D\_AL\_MS}$	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH - Aliphatic >EC12 - EC16 $_{EH\_1D\_AL\_MS}$	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH - Aliphatic >EC16 - EC21 $_{EH\_1D\_AL\_MS}$	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH - Aliphatic >EC21 - EC35 $_{EH\_1D\_AL\_MS}$	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH - Aliphatic >EC5 - EC35 $_{HS+EH\_1D\_AL\_MS}$	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH - Aromatic >EC8 - EC10 $_{EH\_1D\_AR\_MS}$	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH - Aromatic >EC10 - EC12 $_{EH\_1D\_AR\_MS}$	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH - Aromatic >EC12 - EC16 $_{EH\_1D\_AR\_MS}$	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH - Aromatic >EC16 - EC21 $_{EH\_1D\_AR\_MS}$	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH - Aromatic >EC21 - EC35 $_{EH\_1D\_AR\_MS}$	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH - Aromatic >EC6 - EC35 $_{HS+EH\_1D\_AR\_MS}$	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH (EC10 - EC40) $_{EH\_1D\_TOTAL\_MS}$	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
VOCs								
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	NONE	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Benzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 26-031756
Project / Site name: Cherryfield Drive

Your Order No: 14389

Lab Sample Number	950056
Sample Reference	SW-MG-120
Sample Number	None Supplied
Water Matrix	N/A
Depth (m)	None Supplied
Date Sampled	11/06/2026
Time Taken	None Supplied

Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status	
General Inorganics				
pH (automated)	pH Units	N/A	ISO 17025	7.8
Total Cyanide (Low Level 1 µg/l)	µg/l	1	NONE	< 1.0
Total Phenols				
Total Phenols (monohydric) low level	µg/l	1	NONE	< 1.0
Speciated PAHs				
Naphthalene	µg/l	0.01	NONE	< 0.01
Acenaphthylene	µg/l	0.01	NONE	< 0.01
Acenaphthene	µg/l	0.01	NONE	0.02
Fluorene	µg/l	0.01	NONE	0.02
Phenanthrene	µg/l	0.01	NONE	0.05
Anthracene	µg/l	0.01	NONE	< 0.01
Fluoranthene	µg/l	0.01	NONE	0.02
Pyrene	µg/l	0.01	NONE	0.02
Benzo(a)anthracene	µg/l	0.01	NONE	< 0.01
Chrysene	µg/l	0.01	NONE	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	NONE	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	NONE	< 0.01
Benzo(a)pyrene	µg/l	0.01	NONE	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01
Total PAH				
Total EPA-16 PAHs	µg/l	0.16	NONE	< 0.16
Heavy Metals / Metalloids				
Arsenic (dissolved)	µg/l	1	ISO 17025	1.8
Cadmium (dissolved)	µg/l	0.08	ISO 17025	< 0.08
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0
Chromium (dissolved)	µg/l	0.4	ISO 17025	< 0.4
Copper (dissolved)	µg/l	0.7	ISO 17025	8
Lead (dissolved)	µg/l	1	ISO 17025	< 1.0
Mercury (dissolved)	µg/l	0.5	ISO 17025	< 0.5
Nickel (dissolved)	µg/l	0.3	ISO 17025	1.6
Selenium (dissolved)	µg/l	4	ISO 17025	< 4.0
Zinc (dissolved)	µg/l	0.4	ISO 17025	8.5

Analytical Report Number: 26-031756
Project / Site name: Cherryfield Drive

Your Order No: 14389

Lab Sample Number	950056
Sample Reference	SW-MG-120
Sample Number	None Supplied
Water Matrix	N/A
Depth (m)	None Supplied
Date Sampled	11/06/2026
Time Taken	None Supplied

Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status	
Petroleum Hydrocarbons				
TPH - Aliphatic >EC5 - EC6 HS_1D_AL	µg/l	1	NONE	< 1.0
TPH - Aliphatic >EC6 - EC8 HS_1D_AL	µg/l	1	NONE	< 1.0
TPH - Aliphatic >EC8 - EC10 HS_1D_AL	µg/l	1	NONE	< 1.0
TPH - Aliphatic >EC10 - EC12 EH_1D_AL_MS	µg/l	10	NONE	< 10
TPH - Aliphatic >EC12 - EC16 EH_1D_AL_MS	µg/l	10	NONE	< 10
TPH - Aliphatic >EC16 - EC21 EH_1D_AL_MS	µg/l	10	NONE	< 10
TPH - Aliphatic >EC21 - EC35 EH_1D_AL_MS	µg/l	10	NONE	< 10
TPH - Aliphatic >EC5 - EC35 HS+EH_1D_AL_MS	µg/l	10	NONE	< 10
TPH - Aromatic >EC5 - EC7 HS_1D_AR	µg/l	1	NONE	< 1.0
TPH - Aromatic >EC7 - EC8 HS_1D_AR	µg/l	1	NONE	< 1.0
TPH - Aromatic >EC8 - EC10 EH_1D_AR_MS	µg/l	1	NONE	< 1.0
TPH - Aromatic >EC10 - EC12 EH_1D_AR_MS	µg/l	10	NONE	< 10
TPH - Aromatic >EC12 - EC16 EH_1D_AR_MS	µg/l	10	NONE	< 10
TPH - Aromatic >EC16 - EC21 EH_1D_AR_MS	µg/l	10	NONE	< 10
TPH - Aromatic >EC21 - EC35 EH_1D_AR_MS	µg/l	10	NONE	< 10
TPH - Aromatic >EC6 - EC35 HS+EH_1D_AR_MS	µg/l	10	NONE	< 10
TPH (EC10 - EC40) EH_1D_TOTAL_MS	µg/l	10	NONE	< 10
VOCs				
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	NONE	< 3.0
Benzene	µg/l	1	NONE	< 1.0
Toluene	µg/l	1	NONE	< 1.0
Ethylbenzene	µg/l	1	NONE	< 1.0
p & m-xylene	µg/l	1	NONE	< 1.0
o-xylene	µg/l	1	NONE	< 1.0

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Analytical Report Number : 26-031756
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* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
950045	SW-MG-109	None Supplied	None Supplied	Brown clay and sand with gravel
950046	SW-MG-110	None Supplied	None Supplied	Brown clay and sand with gravel and stones
950047	SW-MG-111	None Supplied	None Supplied	Brown clay and sand with gravel and stones
950048	SW-MG-112	None Supplied	0.5	Brown sand with gravel
950049	SW-MG-113	None Supplied	0.5	Brown sand with gravel and stones
950050	SW-MG-114	None Supplied	0.5	Brown sandy clay with gravel and stones
950051	SW-MG-115	None Supplied	0.5	Brown sandy clay with gravel and stones
950052	SW-MG-116	None Supplied	None Supplied	Brown sand with gravel and stones
950053	SW-MG-117	None Supplied	None Supplied	Brown loam and sand with stones and gravel
950054	SW-MG-118	None Supplied	None Supplied	Brown loam and sand with stones and gravel
950055	SW-MG-119	None Supplied	None Supplied	Brown clay and sand with gravel and vegetation
950056	SW-MG-120	None Supplied	None Supplied	Brown loam and sand with gravel and vegetation
950057	SW-MG-121	None Supplied	None Supplied	Brown loam and sand with vegetation and stones

Analytical Report Number : 26-031756
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
Hexavalent chromium in soil by Ion Chromatography	Determination of hexavalent chromium in alkaline soil extract by use of ion chromatography with spectrophotometric detection	In-house method	L130B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-MS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS with carbon banding aliphatic and aromatic	In-house method	L070B	W	NONE
Total petroleum hydrocarbons with carbon banding by GC-MS/GC-MS HS in leachate (Summed Bands)	Determination of total petroleum hydrocarbons in leachate by GC-MS/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L070B/L088-PL	W	NONE
Total petroleum hydrocarbons by GC-MS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS	In-house method	L070B	W	NONE
BTEX and/or Volatile organic compounds in leachate	Determination of volatile organic compounds in leachate by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	NONE
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	ISO 17025

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Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols (low level) in leachate	Determination of phenols in leachate by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide (low level) in leachate	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	NONE
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in leachate	Determination of total petroleum hydrocarbons in leachate by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	NONE
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
pH at 20°C in leachate (automated)	Determination of pH in leachate by electrometric measurement	In-house method	L099-PL	W	ISO 17025
Speciated PAHs and/or Semi-volatile organic compounds in leachate	SVOCs and PAHs in leachate	In-house method	L102B		NONE
NRA Leachate 10:1		In-house method based on interim NRA guidance (1994)	L020B	W	NONE
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

Analytical Report Number : 26-031756
Project / Site name: Cherryfield Drive

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Speciated Mercury in soil by PSA Millenium	Determination of Speciated Mercury in soil by PSA Millenium	In-house method	L085B	D	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

*U/S g- Unsuitable for analysis due to high colour intensity.

Appendix VII: Geotechnical Testing Results



MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 18-528 Cherryfield Drive

Job Number MRN 26002/109
Date of Issue 25 March 2026
Page 1 of 2

Approved Signatories

S J Hutchings, O P Davies

Notes

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M U R R A Y R I X

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

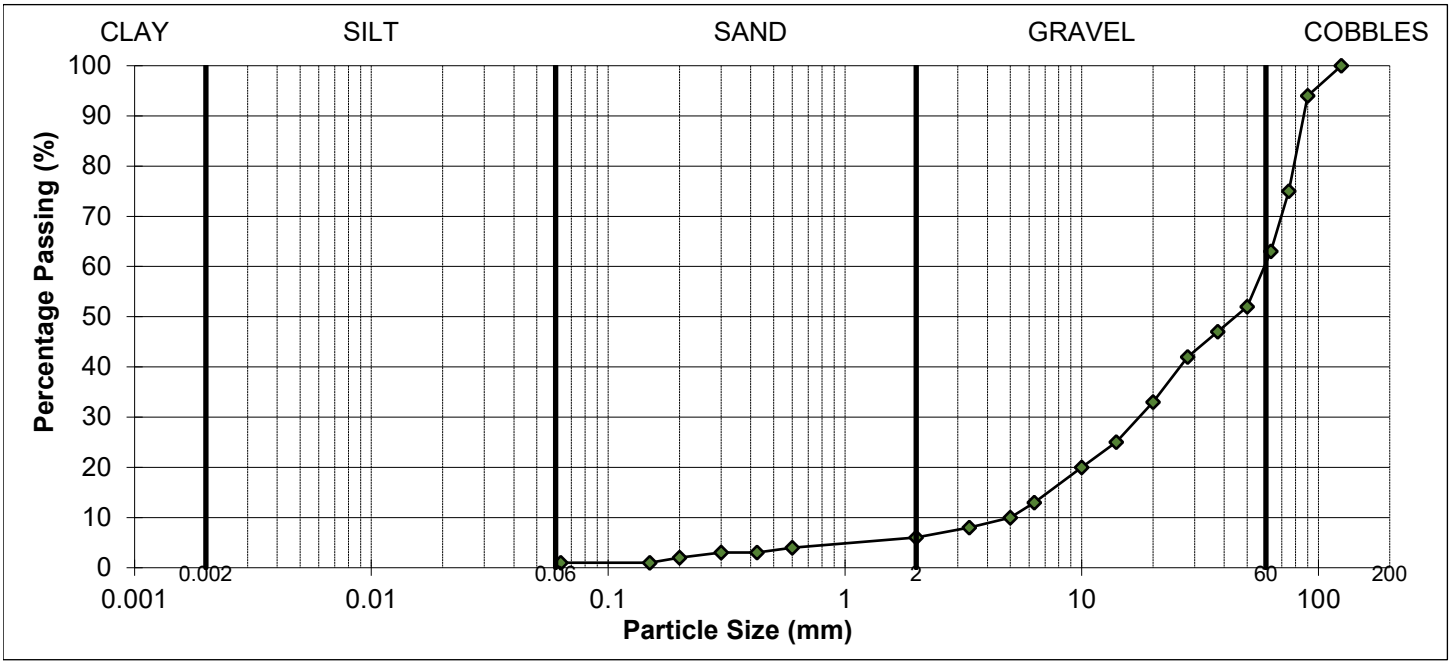
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/109

SAMPLE LABEL	SW-6F2-101	DATE SAMPLED	03-Mar-26
LAB SAMPLE No	6045001	DATE RECEIVED	05-Mar-26
DATE TESTED	12-Mar-26	SAMPLED BY	Client

MATERIAL	Recycled Crush		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	7.0

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	13	
90	94	80-100	5	10	10-45
75	75	65-100	3.35	8	
63	63		2	6	
50	52		0.6	4	0-25
37.5	47	45-100	0.425	3	
28	42		0.3	3	
20	33		0.2	2	
14	25		0.15	1	
10	20	15-60	0.063	1	0-12



SOIL FRACTIONS			
COBBLES	37%	SAND	5%
GRAVEL	57%	SILT / CLAY	1%

REMARKS
Sample complies with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 25-Mar-26
(Director / Head of Laboratory)

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 18-528 -
Cherryfield Drive

Job Number MRN 26002/173
Date of Issue 02 June 2026

Approved Signatories

S J Hutchings, O P Davies

Notes

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DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

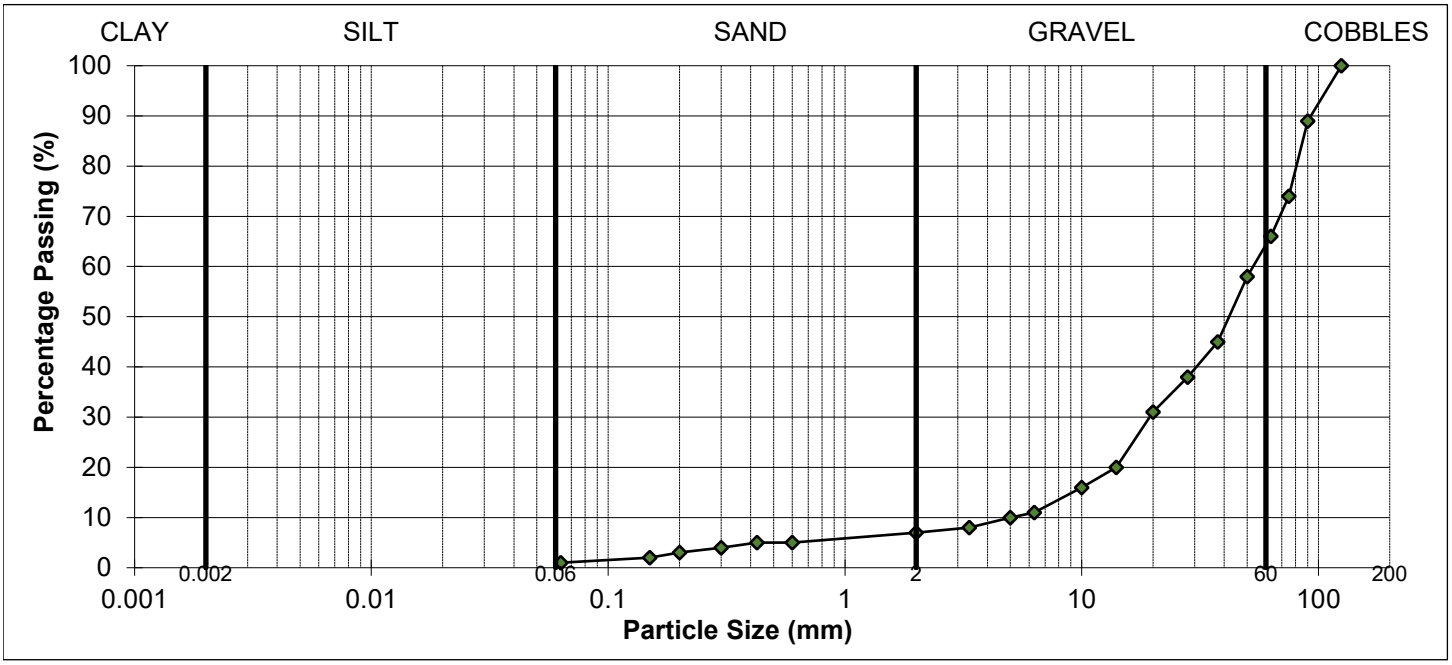
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/173

SAMPLE LABEL	SW-6F2-102	DATE SAMPLED	23-Apr-26
LAB SAMPLE No	6087101	DATE RECEIVED	23-Apr-26
DATE TESTED	30-Apr-26	SAMPLED BY	Client

MATERIAL	6F2		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	5.5

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	11	
90	89	80-100	5	10	10-45
75	74	65-100	3.35	8	
63	66		2	7	
50	58		0.6	5	0-25
37.5	45	45-100	0.425	5	
28	38		0.3	4	
20	31		0.2	3	
14	20		0.15	2	
10	16	15-60	0.063	1	0-12



SOIL FRACTIONS			
COBBLES	34%	SAND	6%
GRAVEL	59%	SILT / CLAY	1%

REMARKS
Sample complies with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) (Director) DATE 02-Jun-26

M U R R A Y R I X

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DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

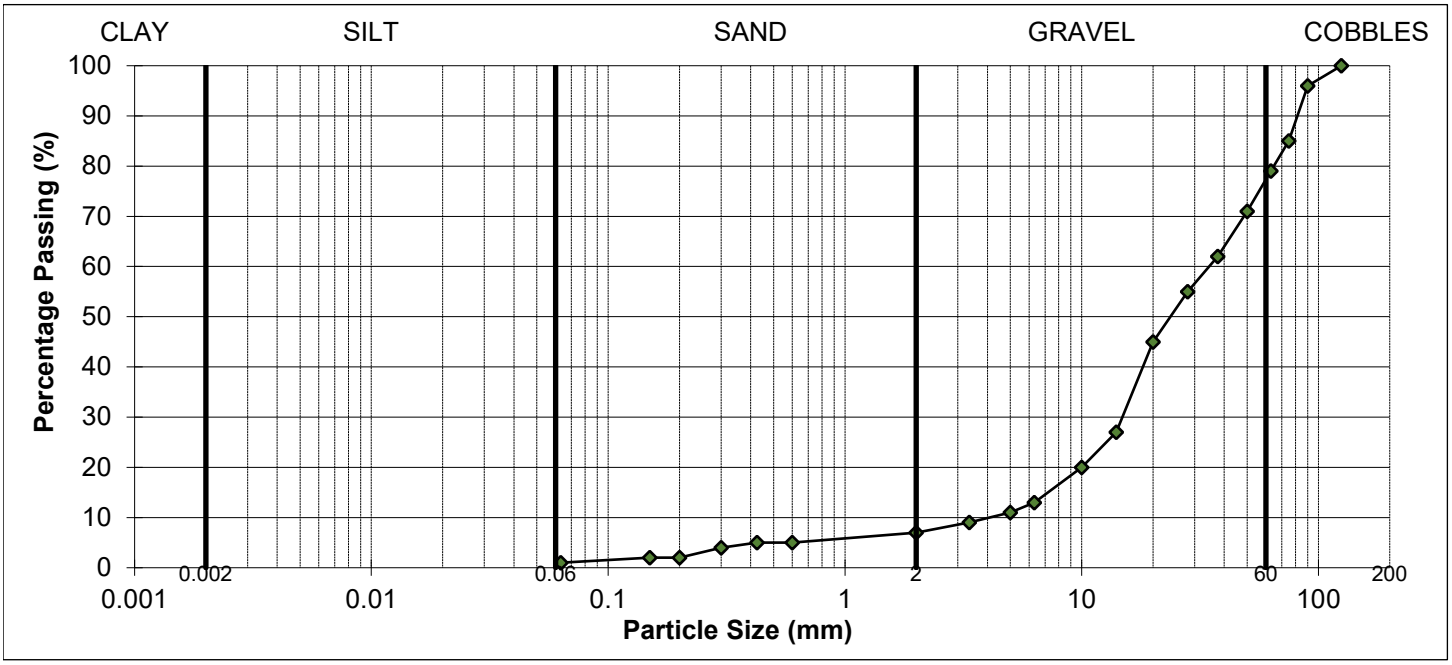
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/173

SAMPLE LABEL	SW-6F2-103	DATE SAMPLED	23-Apr-26
LAB SAMPLE No	6087102	DATE RECEIVED	23-Apr-26
DATE TESTED	30-Apr-26	SAMPLED BY	Client

MATERIAL	6F2		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	4.6

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	13	
90	96	80-100	5	11	10-45
75	85	65-100	3.35	9	
63	79		2	7	
50	71		0.6	5	0-25
37.5	62	45-100	0.425	5	
28	55		0.3	4	
20	45		0.2	2	
14	27		0.15	2	
10	20	15-60	0.063	1	0-12



SOIL FRACTIONS			
COBBLES	21%	SAND	6%
GRAVEL	72%	SILT / CLAY	1%

REMARKS
Sample complies with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) (Director) DATE 02-Jun-26

M U R R A Y R I X

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

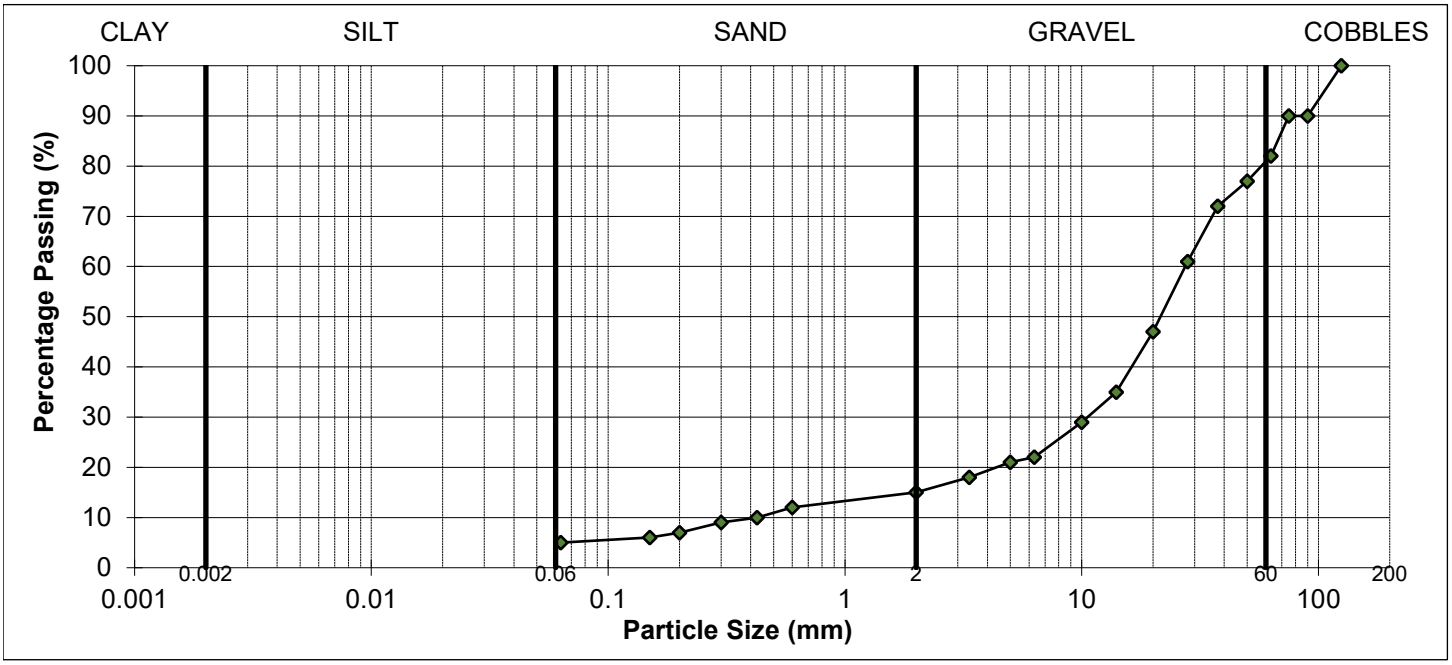
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/173

SAMPLE LABEL	SW-6F2-104	DATE SAMPLED	23-Apr-26
LAB SAMPLE No	6087103	DATE RECEIVED	23-Apr-26
DATE TESTED	30-Apr-26	SAMPLED BY	Client

MATERIAL	6F2		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	3.2

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	22	
90	90	80-100	5	21	10-45
75	90	65-100	3.35	18	
63	82		2	15	
50	77		0.6	12	0-25
37.5	72	45-100	0.425	10	
28	61		0.3	9	
20	47		0.2	7	
14	35		0.15	6	
10	29	15-60	0.063	5	0-12



SOIL FRACTIONS			
COBBLES	18%	SAND	10%
GRAVEL	67%	SILT / CLAY	5%

REMARKS
Sample complies with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) (Director) DATE 02-Jun-26

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

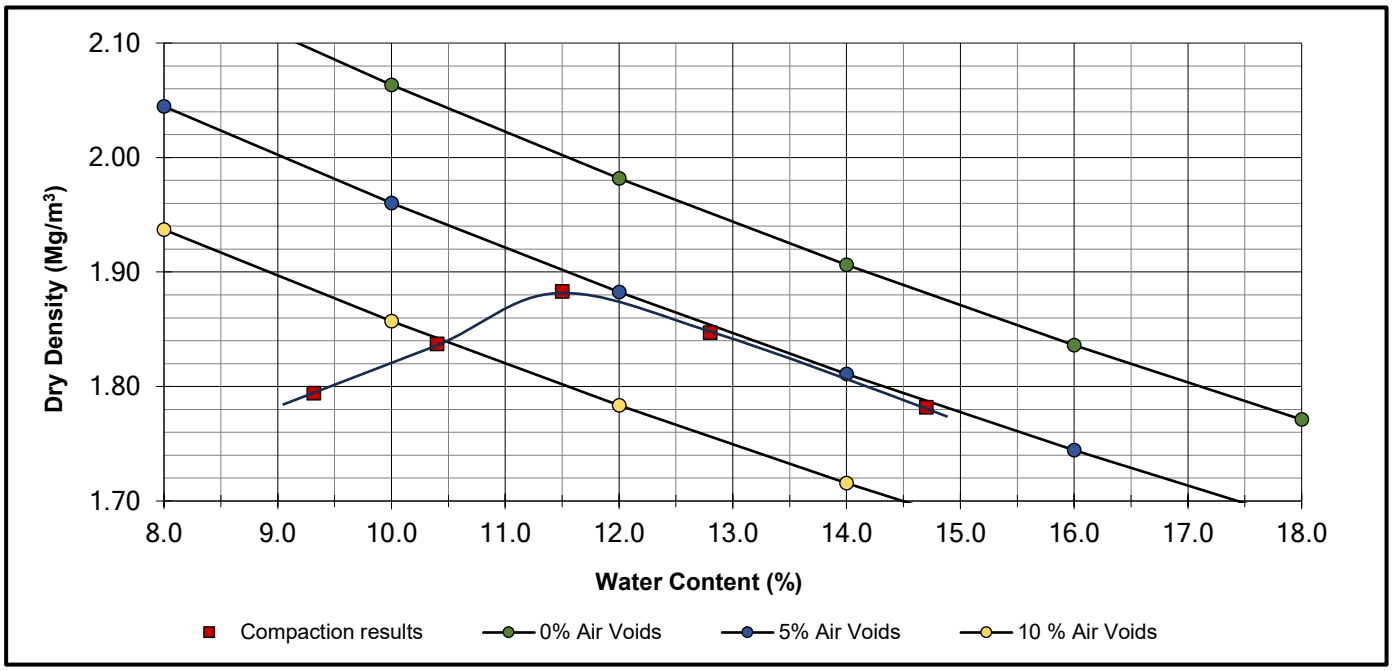
CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/173

SAMPLE LABEL	SW-6F2-102	DATE SAMPLED	23-Apr-26
SAMPLE NUMBER	6087101	DATE RECEIVED	23-Apr-26
DATE TESTED	16-May-26	SAMPLED BY	Client

MATERIAL	6F2
ADVISED SOURCE	Site Won
PRE TREATMENT	Air Dried

RETAINED 37.5mm	55 %	GRADING ZONE	ZONE X	MOULD SIZE	1 Litre
RETAINED 20mm	69 %	PARTICLE DENSITY	2.60 Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	9.3	1.794
2	10.4	1.837
3	11.5	1.883
4	12.8	1.847
5	14.7	1.782



OPTIMUM WATER CONTENT	**12**	(%)
MAXIMUM DRY DENSITY	**1.88**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) (Director) SIGNED DATE 02-Jun-26

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

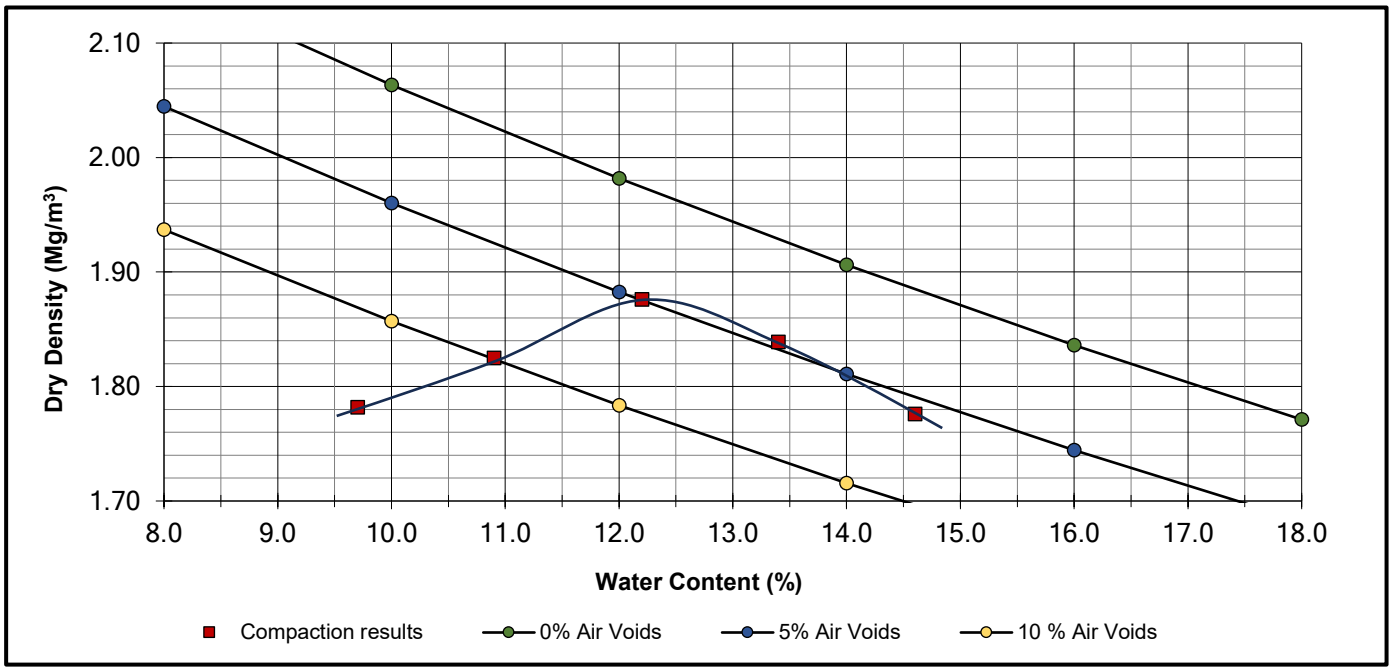
CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/173

SAMPLE LABEL	SW-6F2-104	DATE SAMPLED	23-Apr-26
SAMPLE NUMBER	6087103	DATE RECEIVED	23-Apr-26
DATE TESTED	16-May-26	SAMPLED BY	Client

MATERIAL	6F2
ADVISED SOURCE	Site Won
PRE TREATMENT	Air Dried

RETAINED 37.5mm	28 %	GRADING ZONE	ZONE X	MOULD SIZE	1 Litre
RETAINED 20mm	53 %	PARTICLE DENSITY	2.60 Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	9.7	1.782
2	10.9	1.825
3	12.2	1.876
4	13.4	1.839
5	14.6	1.776



OPTIMUM WATER CONTENT	**12**	(%)
MAXIMUM DRY DENSITY	**1.88**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) (Director) SIGNED DATE 02-Jun-26

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 18-528 -
Cherryfield Drive

Job Number MRN 26002/56
Date of Issue 13 February 2026

Approved Signatories

S J Hutchings, O P Davies

Notes

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DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

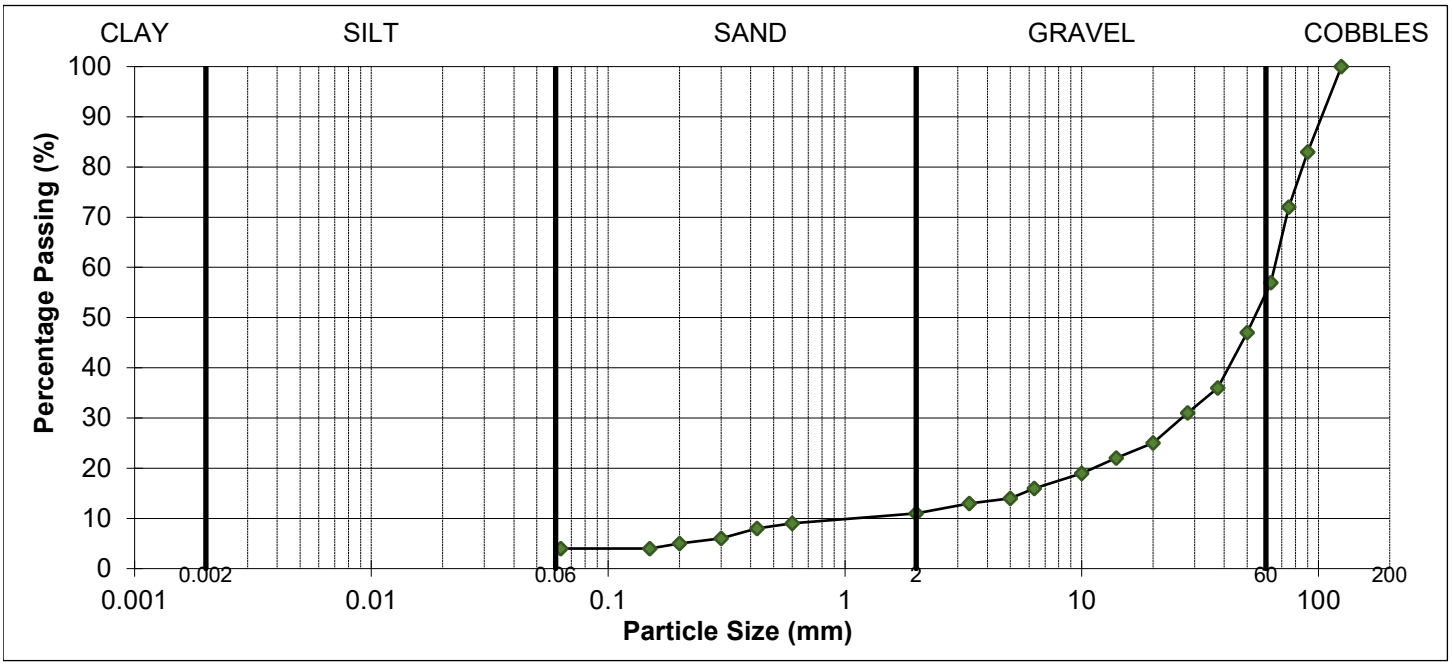
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/56

SAMPLE LABEL	6F2-101	DATE SAMPLED	15-Jan-26
LAB SAMPLE No	6008601	DATE RECEIVED	19-Jan-26
DATE TESTED	21-Feb-26	SAMPLED BY	Client

MATERIAL	6F2		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	9.6

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	16	
90	83	80-10	5	14	10-45
75	72	65-100	3.35	13	
63	57		2	11	
50	47		0.6	9	0-25
37.5	36	45-100	0.425	8	
28	31		0.3	6	
20	25		0.2	5	
14	22		0.15	4	
10	19	15-60	0.063	4	0-12



SOIL FRACTIONS			
COBBLES	43%	SAND	8%
GRAVEL	46%	SILT / CLAY	4%

REMARKS

Sample complies with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 13-Feb-26
(Director / Head of Laboratory)

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

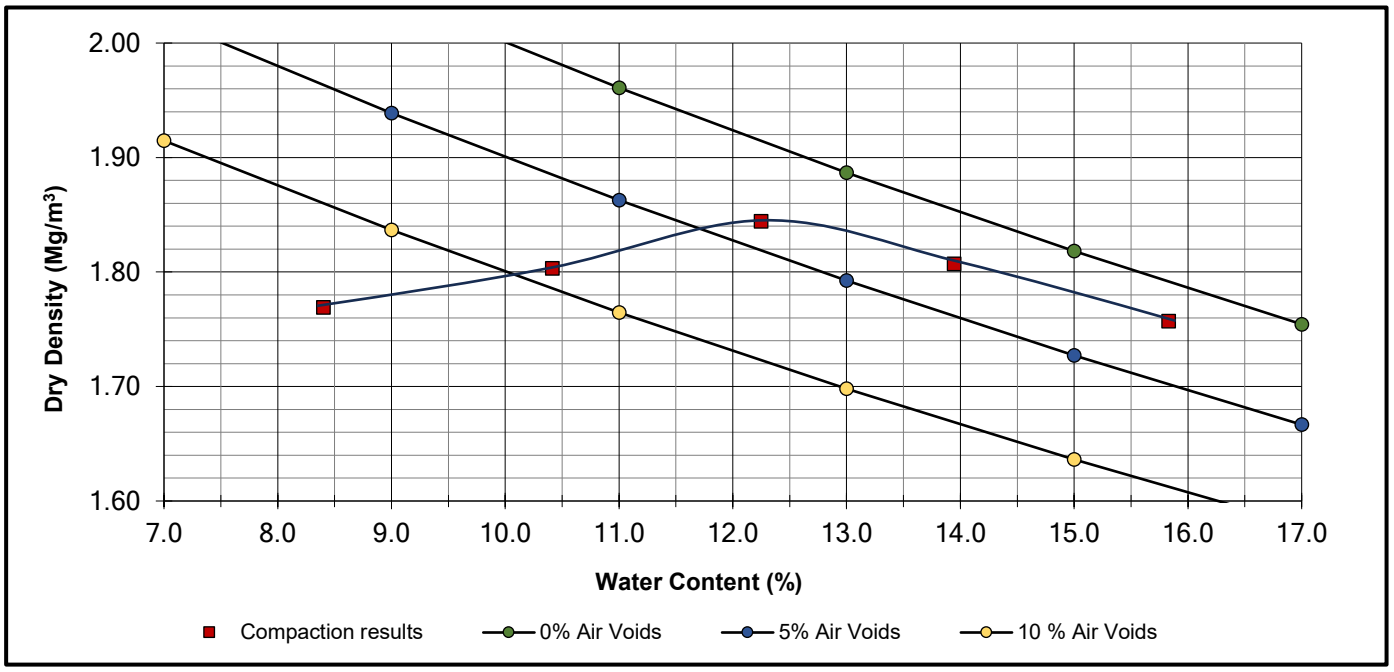
CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/56

SAMPLE LABEL	6F2-101	DATE SAMPLED	15-Jan-26
SAMPLE NUMBER	6008601	DATE RECEIVED	19-Jan-26
DATE TESTED	10-Feb-26	SAMPLED BY	Client

MATERIAL	Recycled Crush
ADVISED SOURCE	Site Won
PRE TREATMENT	Air Dried / Separate Batches

RETAINED 37.5mm	64 %	GRADING ZONE	ZONE X	MOULD SIZE		CBR
RETAINED 20mm	75 %	PARTICLE DENSITY	2.50	Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	15.8	1.757
2	13.9	1.807
3	12.2	1.844
4	10.4	1.803
5	8.4	1.769



OPTIMUM WATER CONTENT	**12**	(%)
MAXIMUM DRY DENSITY	**1.84**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) SIGNED DATE 13-Feb-26
(Director / Head of Laboratory)

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 18-528 -
Cherryfield Drive

Job Number MRN 26002/67
Date of Issue 02 March 2026

Approved Signatories

S J Hutchings, O P Davies

Notes

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ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

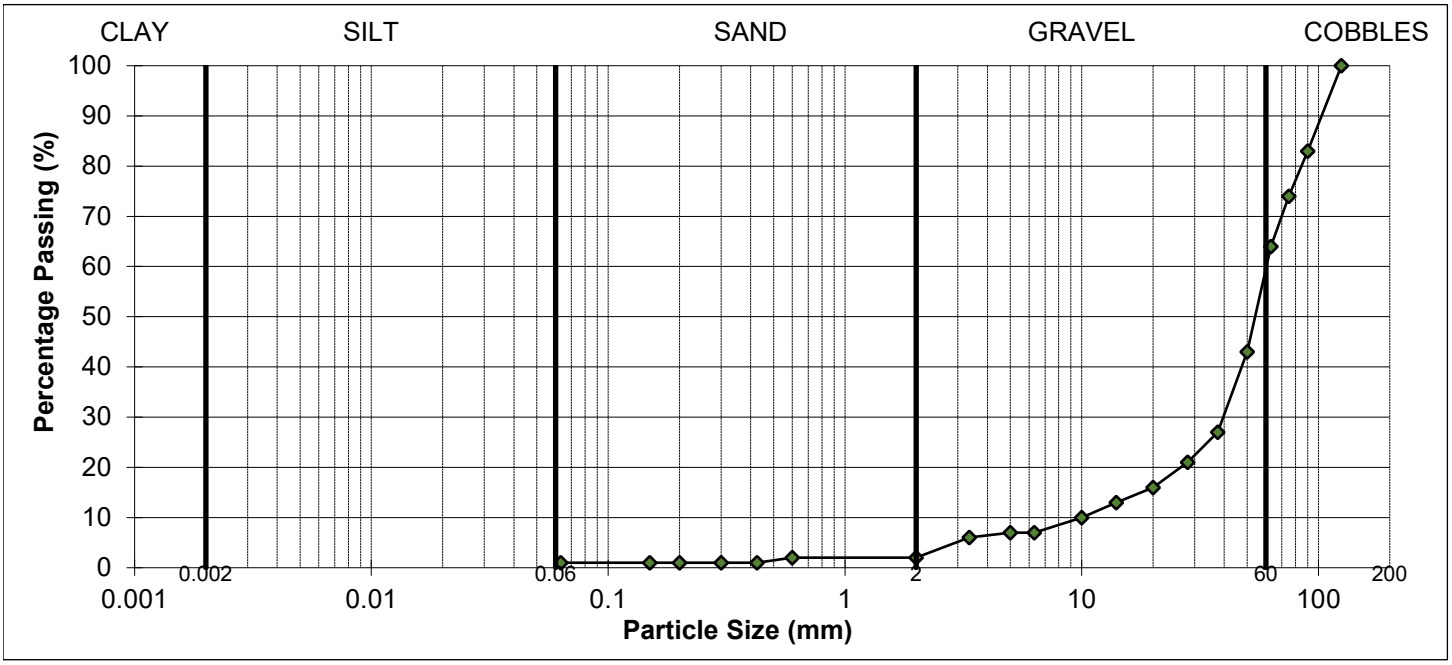
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/67

SAMPLE LABEL	6F2-102	DATE SAMPLED	20-Jan-26
LAB SAMPLE No	6021401	DATE RECEIVED	26-Jan-26
DATE TESTED	28-Jan-26	SAMPLED BY	Client

MATERIAL	Crush		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	2.3

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	7	
90	83	80-100	5	7	10-45
75	74	65-100	3.35	6	
63	64		2	2	
50	43		0.6	2	0-25
37.5	27	45-100	0.425	1	
28	21		0.3	1	
20	16		0.2	1	
14	13		0.15	1	
10	10	15-60	0.063	1	0-12



SOIL FRACTIONS			
COBBLES	36%	SAND	1%
GRAVEL	62%	SILT / CLAY	1%

REMARKS
Sample does not comply with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

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

DATE 02-Mar-26

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

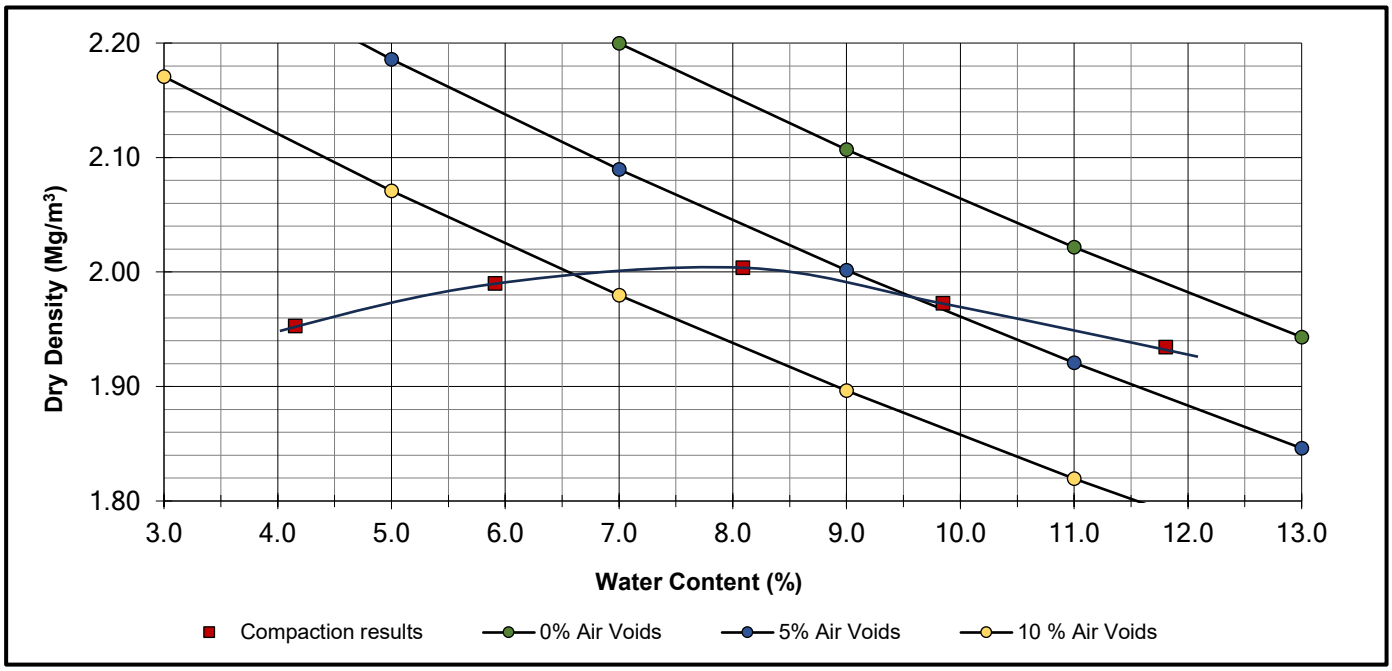
CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/67

SAMPLE LABEL	6F2-102	DATE SAMPLED	20-Jan-26
SAMPLE NUMBER	6021401	DATE RECEIVED	26-Jan-26
DATE TESTED	18-Feb-26	SAMPLED BY	Client

MATERIAL	Crush
ADVISED SOURCE	Site Won
PRE TREATMENT	Air Dried

RETAINED 37.5mm	73 %	GRADING ZONE	ZONE X	MOULD SIZE	1 Litre
RETAINED 20mm	84 %	PARTICLE DENSITY	2.60 Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	4.2	1.953
2	5.9	1.990
3	8.1	2.004
4	9.8	1.973
5	11.8	1.934



OPTIMUM WATER CONTENT	**7.9**	(%)
MAXIMUM DRY DENSITY	**2.00**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) SIGNED DATE 02-Mar-26
(Director / Head of Laboratory)

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 18-528 -
Cherryfield Drive

Job Number MRN 26002/68
Date of Issue 02 March 2026

Approved Signatories

S J Hutchings, O P Davies

Notes

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M U R R A Y R I X

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

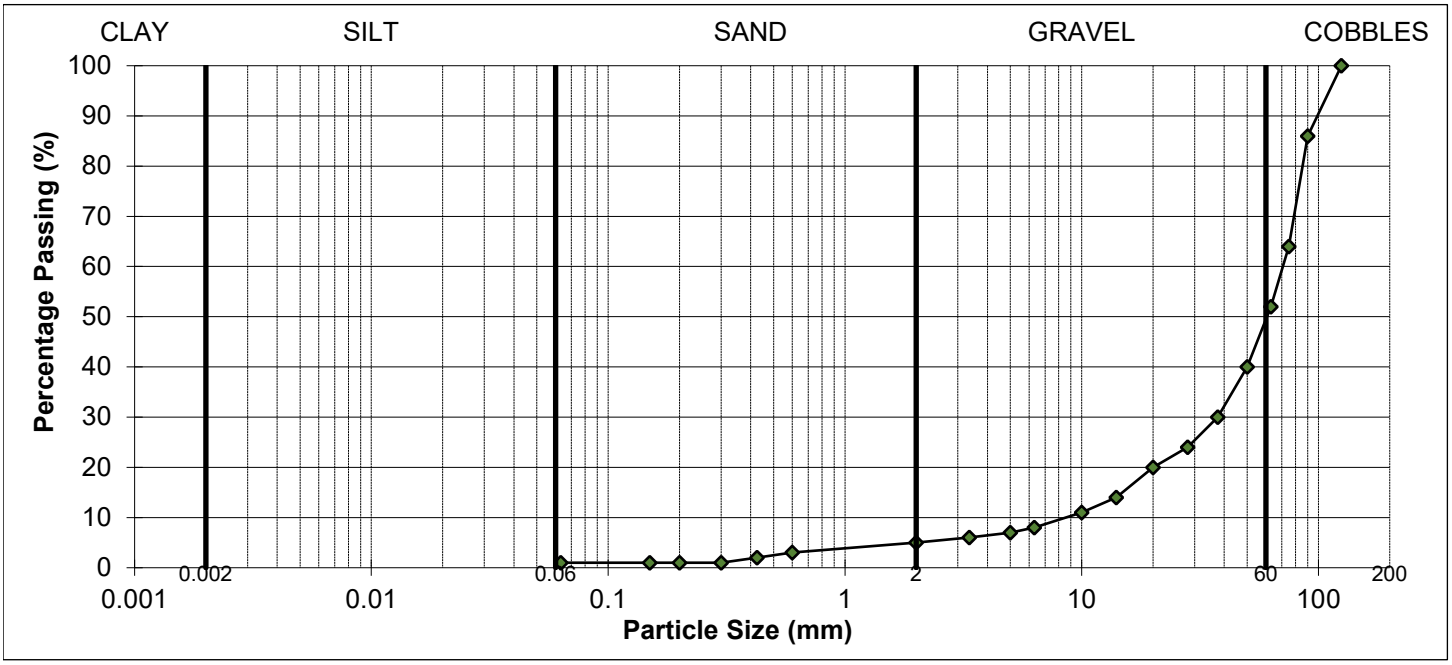
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/68

SAMPLE LABEL	6F2-103	DATE SAMPLED	29-Jan-26
LAB SAMPLE No	6022001	DATE RECEIVED	04-Feb-26
DATE TESTED	05-Feb-26	SAMPLED BY	Client

MATERIAL	Crush		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	6.3

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	8	
90	86	80-100	5	7	10-45
75	64	65-100	3.35	6	
63	52		2	5	
50	40		0.6	3	0-25
37.5	30	45-100	0.425	2	
28	24		0.3	1	
20	20		0.2	1	
14	14		0.15	1	
10	11	15-60	0.063	1	0-12



SOIL FRACTIONS			
COBBLES	48%	SAND	4%
GRAVEL	47%	SILT / CLAY	1%

REMARKS
Sample does not comply with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 02-Mar-26
(Director / Head of Laboratory)

M U R R A Y R I X

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

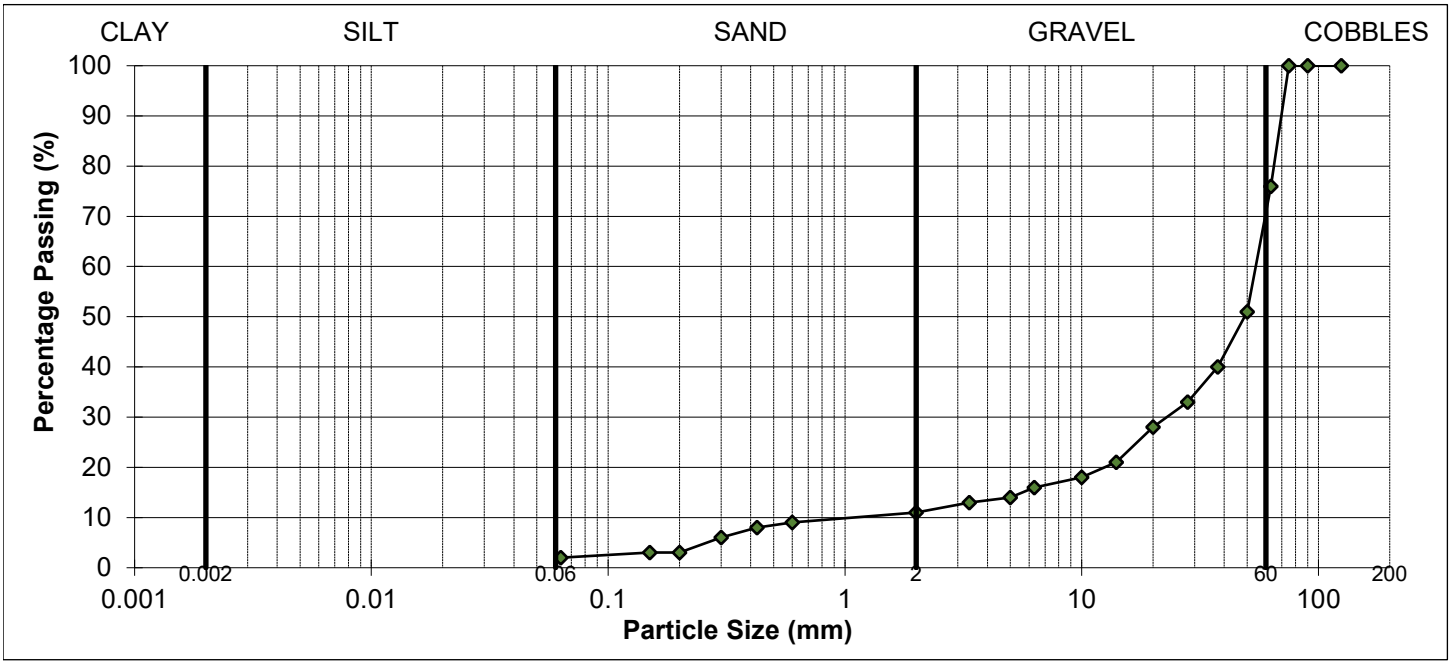
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/68

SAMPLE LABEL	6F2-104	DATE SAMPLED	29-Jan-26
LAB SAMPLE No	6022002	DATE RECEIVED	04-Feb-26
DATE TESTED	05-Feb-26	SAMPLED BY	Client

MATERIAL	Crush		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	5.8

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	16	
90	100	80-100	5	14	10-45
75	100	65-100	3.35	13	
63	76		2	11	
50	51		0.6	9	0-25
37.5	40	45-100	0.425	8	
28	33		0.3	6	
20	28		0.2	3	
14	21		0.15	3	
10	18	15-60	0.063	2	0-12



SOIL FRACTIONS			
COBBLES	24%	SAND	9%
GRAVEL	65%	SILT / CLAY	2%

REMARKS
Sample does not comply with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 02-Mar-26
(Director / Head of Laboratory)

M U R R A Y R I X

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

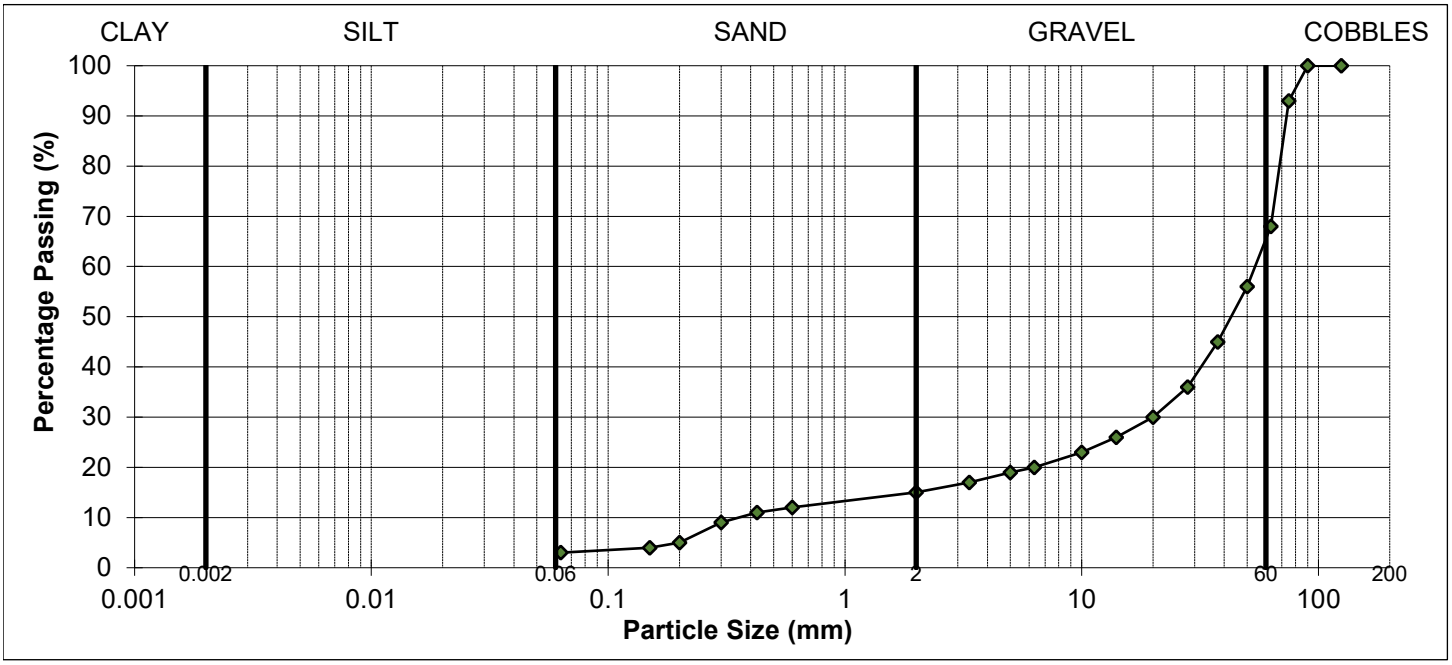
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/68

SAMPLE LABEL	6F2-105	DATE SAMPLED	29-Jan-26
LAB SAMPLE No	6022003	DATE RECEIVED	04-Feb-26
DATE TESTED	05-Feb-26	SAMPLED BY	Client

MATERIAL	Crush		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	9.1

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	20	
90	100	80-100	5	19	10-45
75	93	65-100	3.35	17	
63	68		2	15	
50	56		0.6	12	0-25
37.5	45	45-100	0.425	11	
28	36		0.3	9	
20	30		0.2	5	
14	26		0.15	4	
10	23	15-60	0.063	3	0-12



SOIL FRACTIONS			
COBBLES	32%	SAND	12%
GRAVEL	53%	SILT / CLAY	3%

REMARKS
Sample complies with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 02-Mar-26
(Director / Head of Laboratory)

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

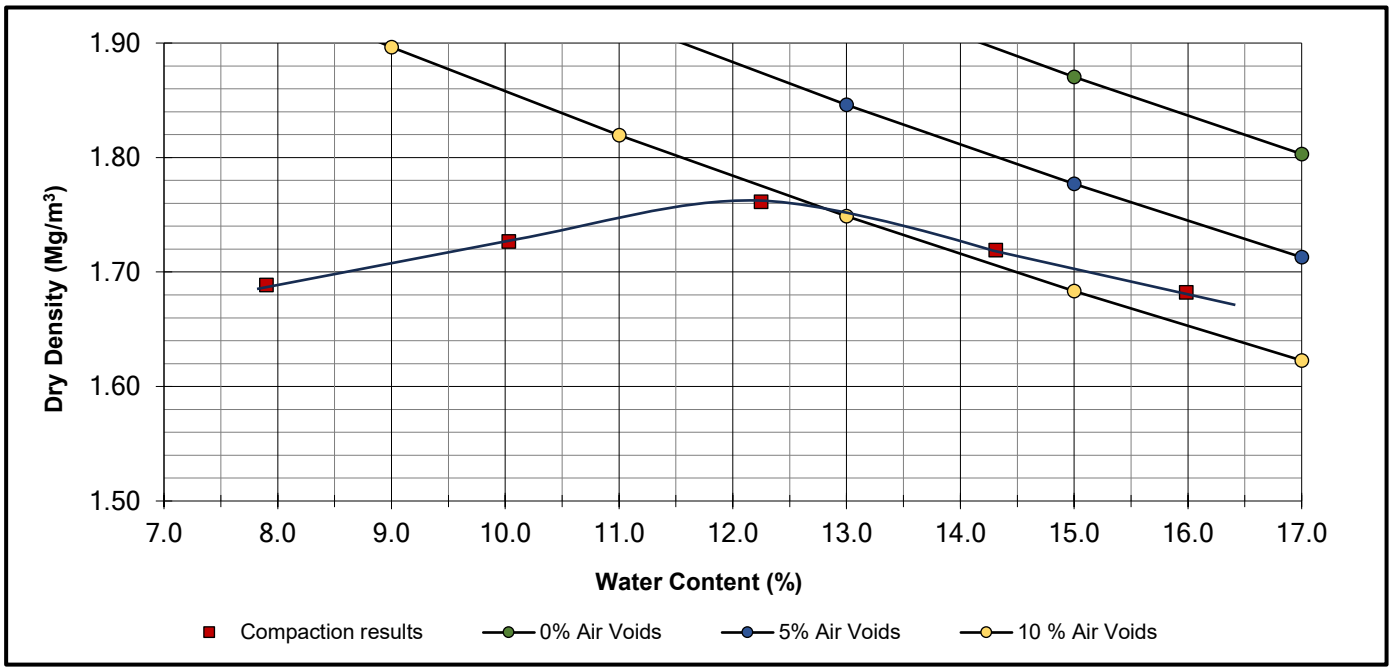
CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/68

SAMPLE LABEL	6F2-103	DATE SAMPLED	29-Jan-26
SAMPLE NUMBER	6022001	DATE RECEIVED	04-Feb-26
DATE TESTED	23-Feb-26	SAMPLED BY	Client

MATERIAL	Crush
ADVISED SOURCE	Site Won
PRE TREATMENT	Air Dried

RETAINED 37.5mm	70 %	GRADING ZONE	ZONE X	MOULD SIZE	1 Litre
RETAINED 20mm	80 %	PARTICLE DENSITY	2.60 Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	7.9	1.689
2	10.0	1.727
3	12.2	1.761
4	14.3	1.719
5	16.0	1.682



OPTIMUM WATER CONTENT	**12**	(%)
MAXIMUM DRY DENSITY	**1.76**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) SIGNED DATE 02-Mar-26
(Director / Head of Laboratory)

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DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

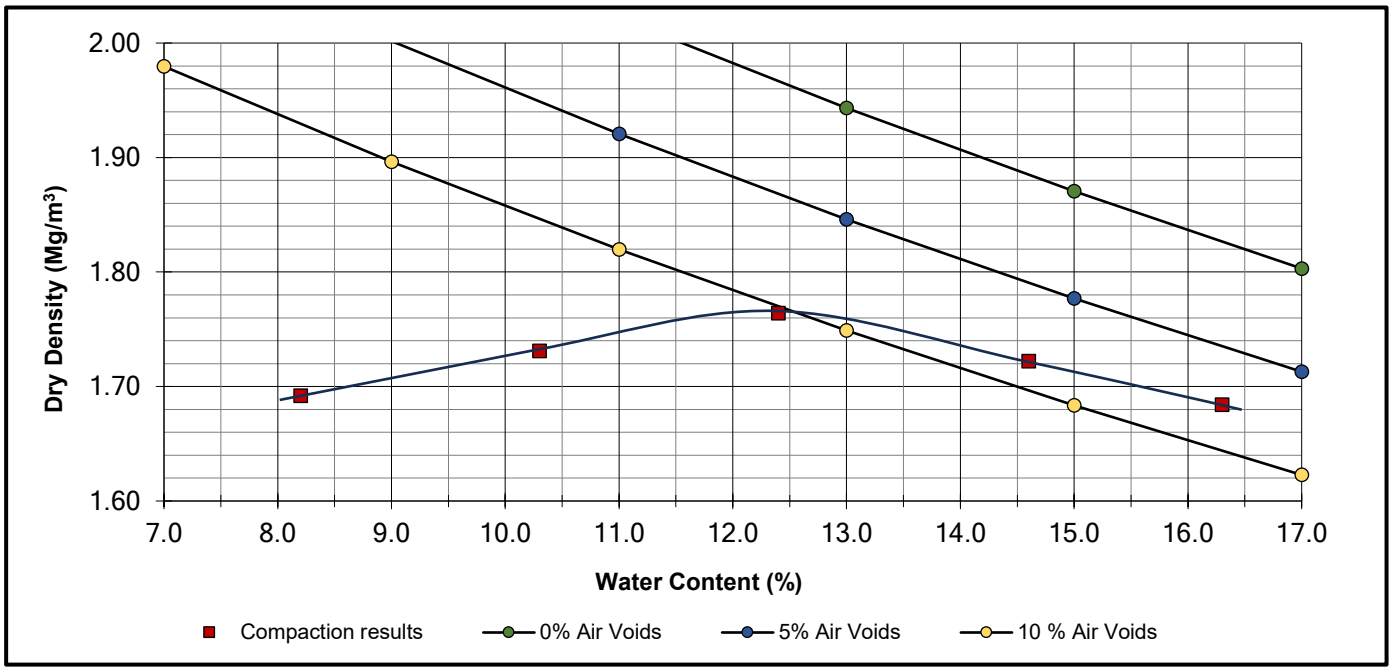
CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/68

SAMPLE LABEL	6F2-104	DATE SAMPLED	29-Jan-26
SAMPLE NUMBER	6022002	DATE RECEIVED	04-Feb-26
DATE TESTED	23-Feb-26	SAMPLED BY	Client

MATERIAL	Crush
ADVISED SOURCE	Site Won
PRE TREATMENT	Air Dried

RETAINED 37.5mm	60 %	GRADING ZONE	ZONE X	MOULD SIZE	1 Litre
RETAINED 20mm	72 %	PARTICLE DENSITY	2.60 Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	8.2	1.692
2	10.3	1.731
3	12.4	1.764
4	14.6	1.722
5	16.3	1.684



OPTIMUM WATER CONTENT	**12**	(%)
MAXIMUM DRY DENSITY	**1.76**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) SIGNED DATE 02-Mar-26
(Director / Head of Laboratory)

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

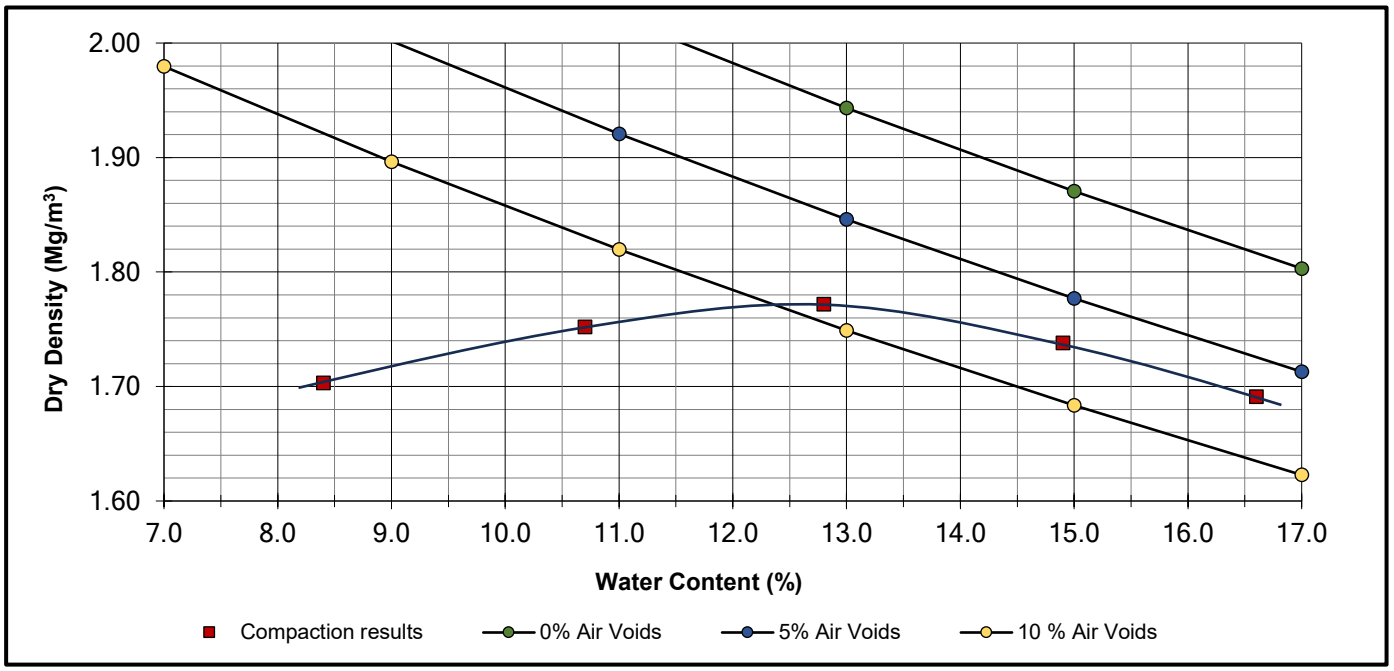
CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/68

SAMPLE LABEL	6F2-105	DATE SAMPLED	29-Jan-26
SAMPLE NUMBER	6022003	DATE RECEIVED	04-Feb-26
DATE TESTED	23-Feb-26	SAMPLED BY	Client

MATERIAL	Crush
ADVISED SOURCE	Site Won
PRE TREATMENT	Air Dried

RETAINED 37.5mm	55 %	GRADING ZONE	ZONE X	MOULD SIZE	1 Litre
RETAINED 20mm	70 %	PARTICLE DENSITY	2.60 Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	8.4	1.703
2	10.7	1.752
3	12.8	1.772
4	14.9	1.738
5	16.6	1.691



OPTIMUM WATER CONTENT	**13**	(%)
MAXIMUM DRY DENSITY	**1.77**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) SIGNED DATE 02-Mar-26
(Director / Head of Laboratory)

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 18-528 -
Cherryfield Drive

Job Number MRN 26002/69
Date of Issue 02 March 2026

Approved Signatories

S J Hutchings, O P Davies

Notes

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MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

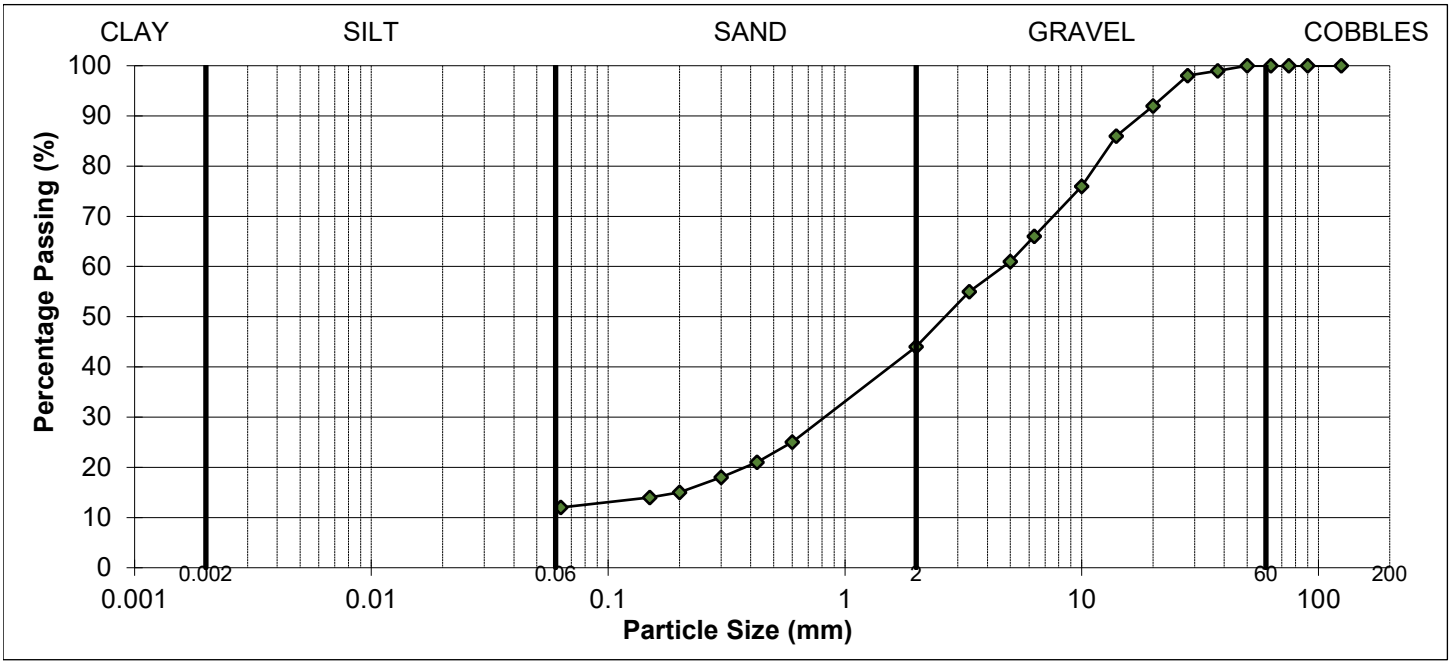
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/69

SAMPLE LABEL	6F2-106	DATE SAMPLED	02-Feb-26
LAB SAMPLE No	6022201	DATE RECEIVED	04-Feb-26
DATE TESTED	05-Feb-26	SAMPLED BY	Client

MATERIAL	Crush		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	17.2

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	66	
90	100	80-100	5	61	10-45
75	100	65-100	3.35	55	
63	100		2	44	
50	100		0.6	25	0-25
37.5	99	45-100	0.425	21	
28	98		0.3	18	
20	92		0.2	15	
14	86		0.15	14	
10	76	15-60	0.063	12	0-12



SOIL FRACTIONS			
COBBLES	0	SAND	32%
GRAVEL	56%	SILT / CLAY	12%

REMARKS
Sample does not comply with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 02-Mar-26
(Director / Head of Laboratory)

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

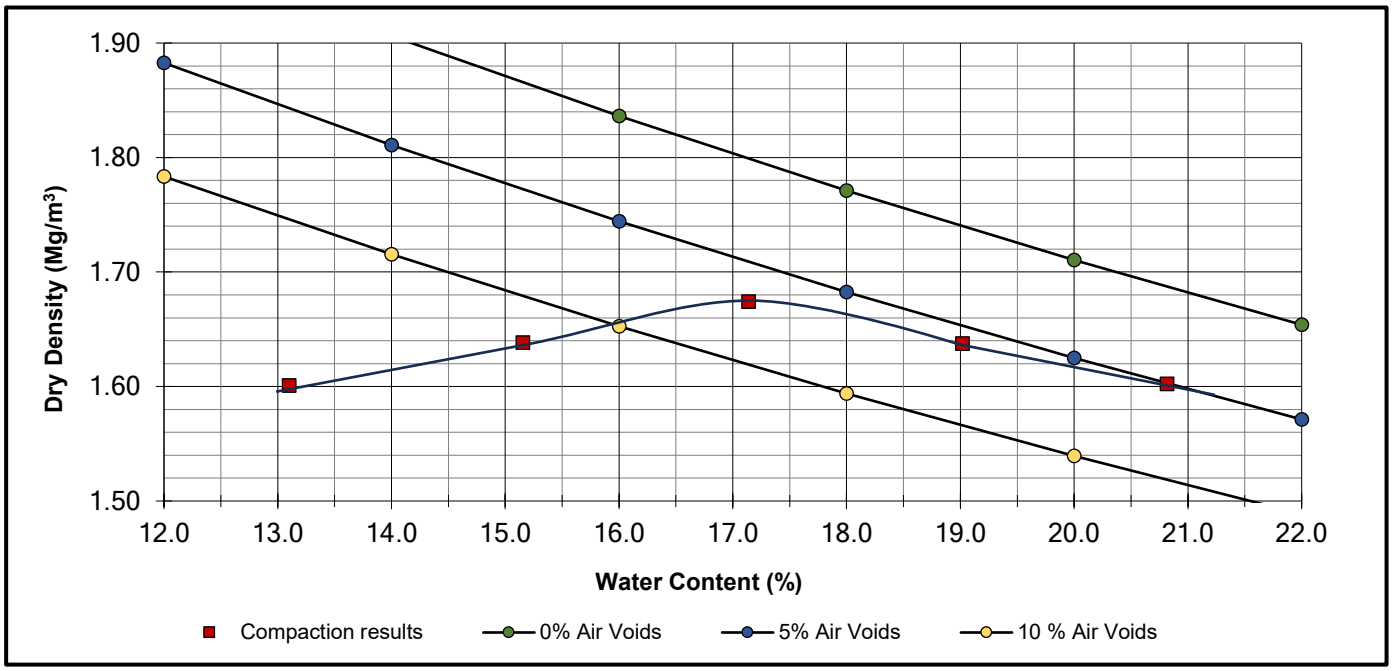
CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/69

SAMPLE LABEL	6F2-106	DATE SAMPLED	02-Feb-26
SAMPLE NUMBER	6022201	DATE RECEIVED	04-Feb-26
DATE TESTED	23-Feb-26	SAMPLED BY	Client

MATERIAL	Crush
ADVISED SOURCE	Site Won
PRE TREATMENT	Air Dried

RETAINED 37.5mm	1 %	GRADING ZONE	ZONE 4	MOULD SIZE	1 Litre
RETAINED 20mm	8 %	PARTICLE DENSITY	2.60 Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	13.1	1.601
2	15.2	1.638
3	17.1	1.674
4	19.0	1.638
5	20.8	1.602



OPTIMUM WATER CONTENT	**17**	(%)
MAXIMUM DRY DENSITY	**1.67**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) SIGNED DATE 02-Mar-26
(Director / Head of Laboratory)

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 18-528, Cherryfield Drive

Job Number MRN 26002/114
Date of Issue 02 April 2026

Approved Signatories

S J Hutchings, O P Davies

Notes

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MURRAY RIX

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DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

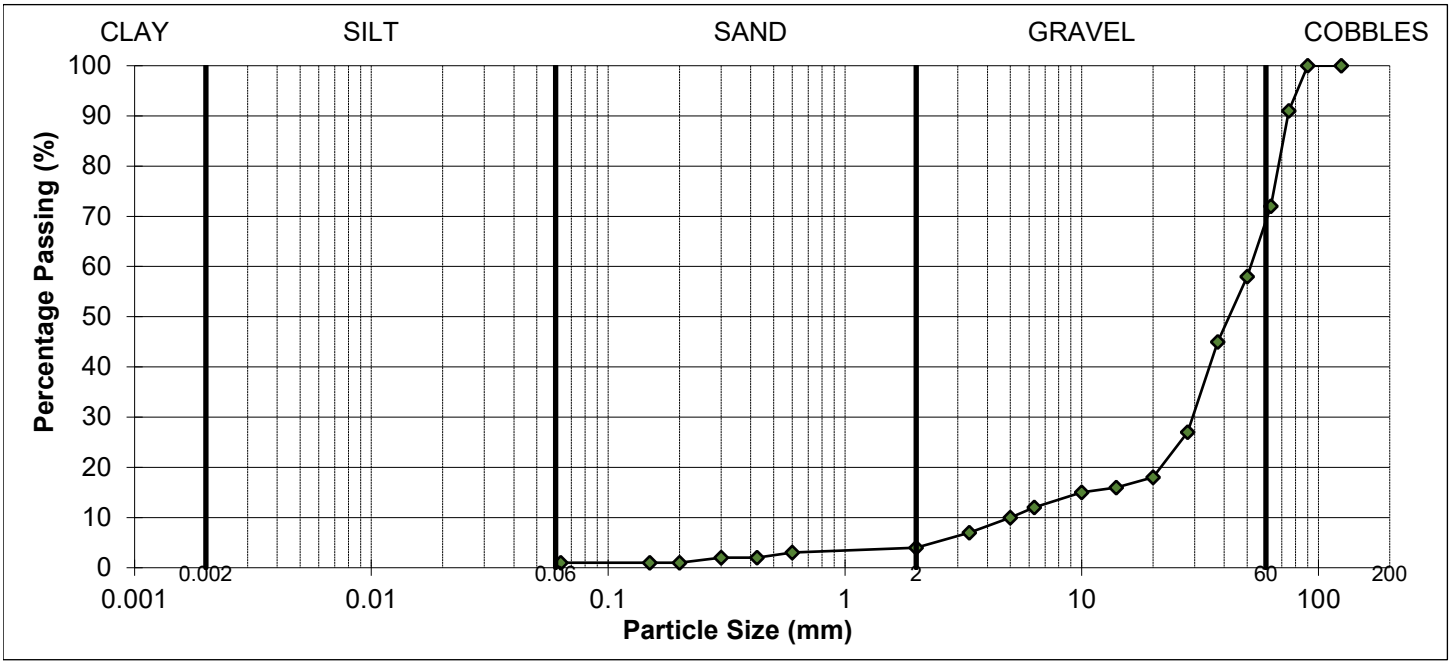
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528, Cherryfield Drive
JOB NUMBER	MRN 26002/114

SAMPLE LABEL	6F2-107	DATE SAMPLED	19-Feb-26
LAB SAMPLE No	6035101	DATE RECEIVED	20-Feb-26
DATE TESTED	21-Feb-26	SAMPLED BY	Client

MATERIAL	6F2		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	8.5

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	12	
90	100	80-100	5	10	10-45
75	91	65-100	3.35	7	
63	72		2	4	
50	58		0.6	3	0-25
37.5	45	45-100	0.425	2	
28	27		0.3	2	
20	18		0.2	1	
14	16		0.15	1	
10	15	15-60	0.063	1	0-12



SOIL FRACTIONS			
COBBLES	28%	SAND	3%
GRAVEL	68%	SILT / CLAY	1%

REMARKS
Sample complies with the advised grading specification for a 6F2 material (SHW Series 600, Tbale 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 02-Apr-26
(Director / Head of Laboratory)

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 18-528 -
Cherryfield Drive

Job Number MRN 26002/129
Date of Issue 20 April 2026
Page 1 of 4

Approved Signatories

S J Hutchings, O P Davies

Notes

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M U R R A Y R I X

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

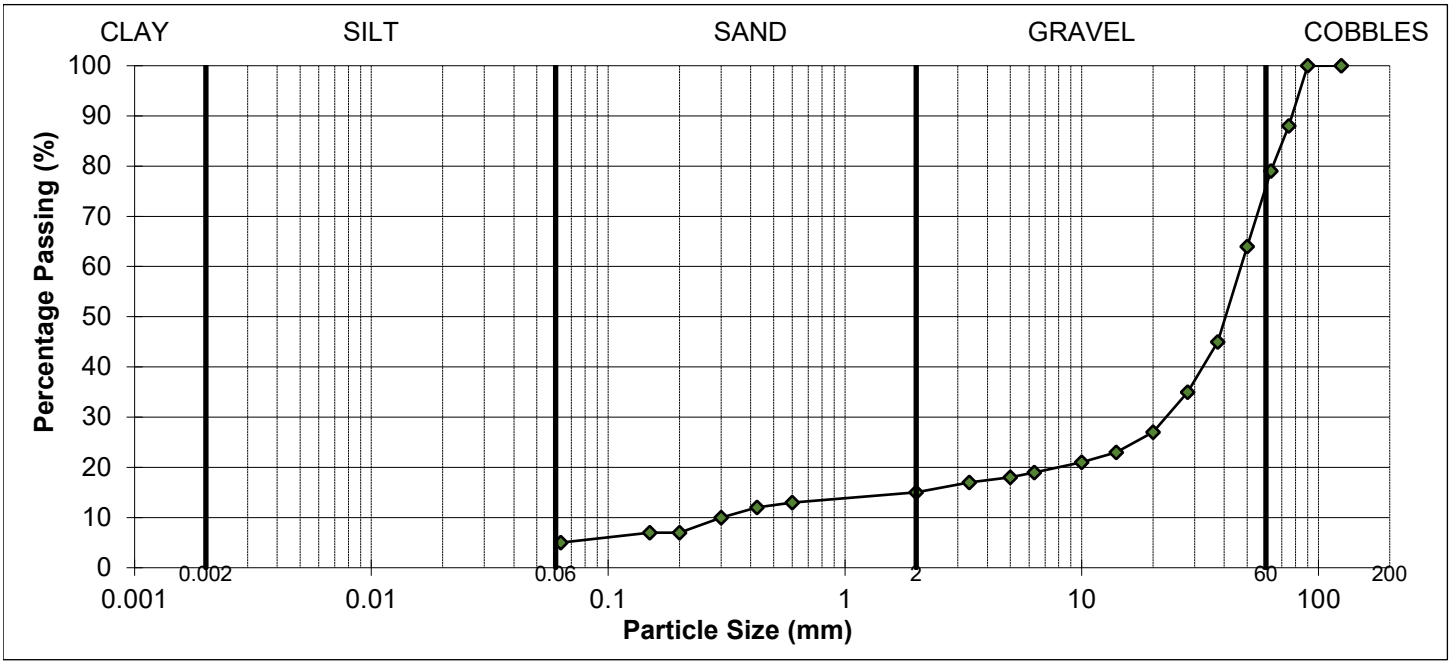
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 - Cherryfield Drive
JOB NUMBER	MRN 26002/129

SAMPLE LABEL	6F2-108	DATE SAMPLED	03-Mar-26
LAB SAMPLE No	6045101	DATE RECEIVED	05-Mar-26
DATE TESTED	24-Mar-26	SAMPLED BY	Client

MATERIAL	Site Won Crush		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	8.9

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	19	
90	100	80-100	5	18	10-45
75	88	65-100	3.35	17	
63	79		2	15	
50	64		0.6	13	0-25
37.5	45	45-100	0.425	12	
28	35		0.3	10	
20	27		0.2	7	
14	23		0.15	7	
10	21	15-60	0.063	5	0-12



SOIL FRACTIONS			
COBBLES	21%	SAND	10%
GRAVEL	64%	SILT / CLAY	5%

REMARKS
Sample complies with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) (Director) DATE 20-Apr-26

M U R R A Y R I X

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

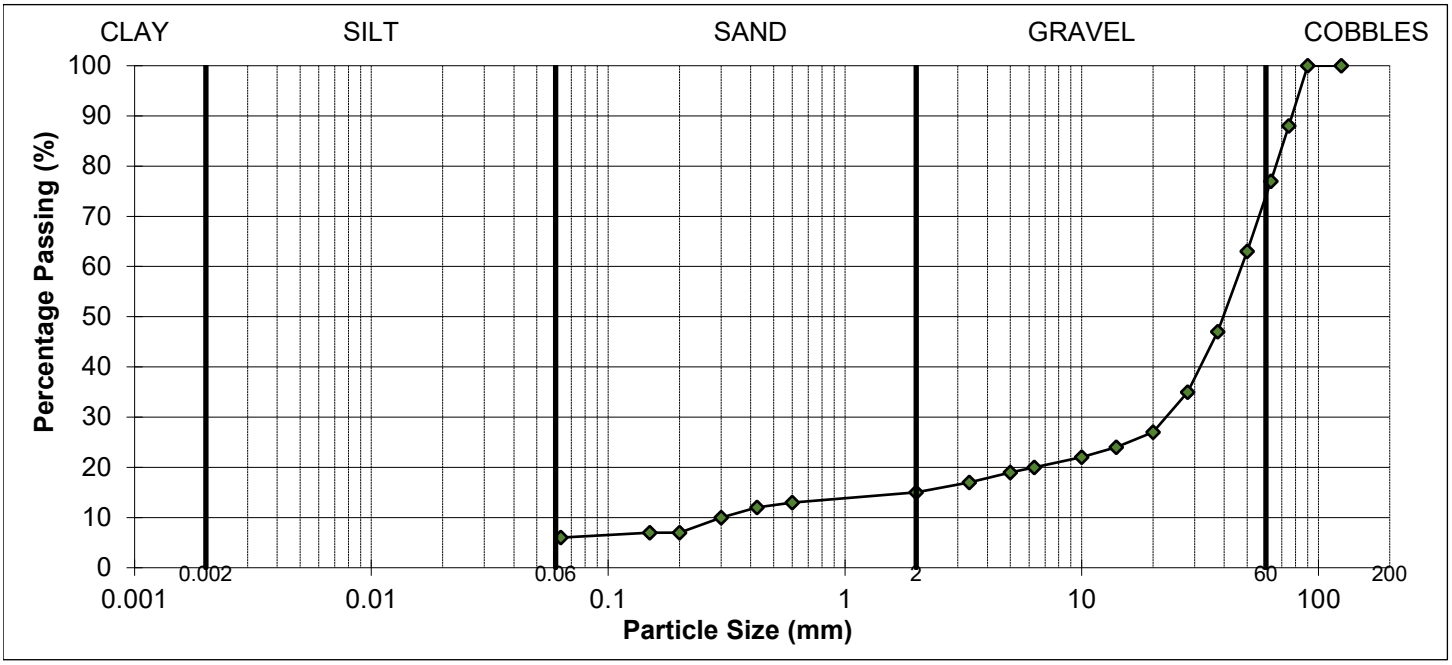
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 - Cherryfield Drive
JOB NUMBER	MRN 26002/129

SAMPLE LABEL	6F2-109	DATE SAMPLED	03-Mar-26
LAB SAMPLE No	6045102	DATE RECEIVED	05-Mar-26
DATE TESTED	24-Mar-26	SAMPLED BY	Client

MATERIAL	Site Won Crush		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	8.7

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	20	
90	100	80-100	5	19	10-45
75	88	65-100	3.35	17	
63	77		2	15	
50	63		0.6	13	0-25
37.5	47	45-100	0.425	12	
28	35		0.3	10	
20	27		0.2	7	
14	24		0.15	7	
10	22	15-60	0.063	6	0-12



SOIL FRACTIONS			
COBBLES	23%	SAND	9%
GRAVEL	62%	SILT / CLAY	6%

REMARKS
Sample complies with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) (Director) DATE 20-Apr-26

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

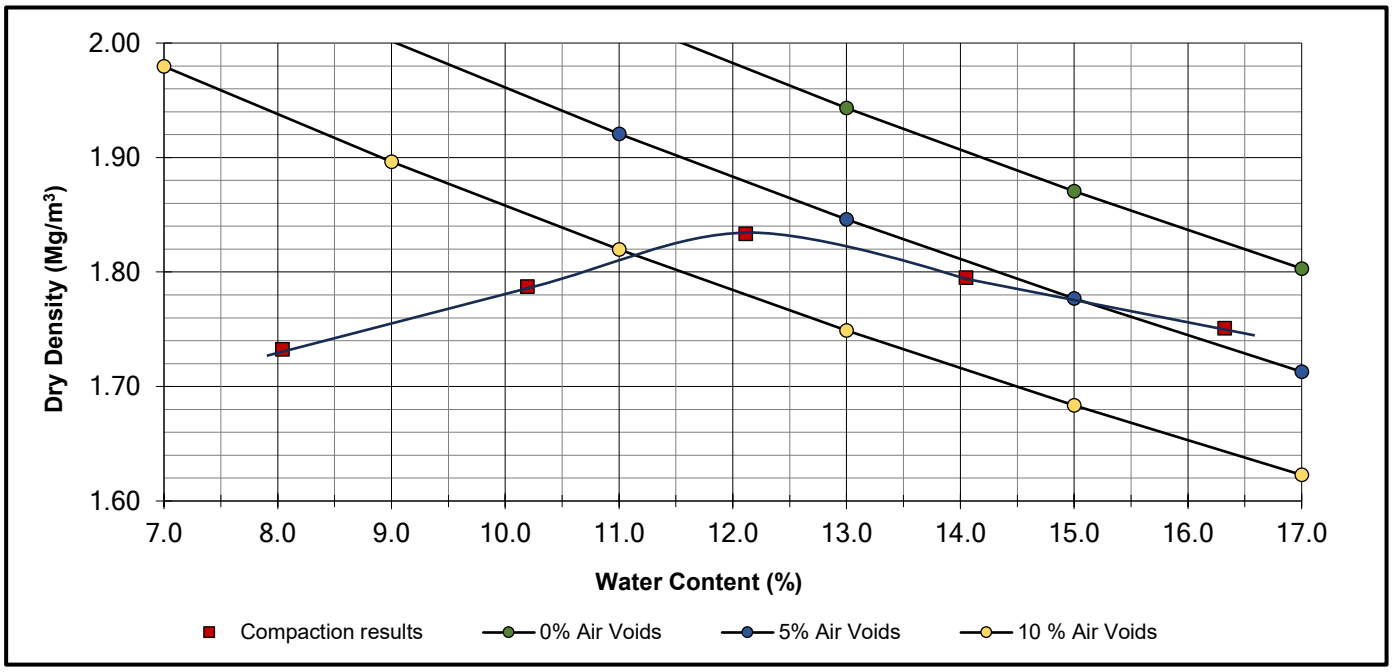
CLIENT	e3p
SITE	18-528 - Cherryfield Drive
JOB NUMBER	MRN 26002/129

SAMPLE LABEL	6F2-109	DATE SAMPLED	03-Mar-26
SAMPLE NUMBER	6045102	DATE RECEIVED	05-Mar-26
DATE TESTED	01-Apr-26	SAMPLED BY	Client

MATERIAL	Site Won Crush
ADVISED SOURCE	Site Won
PRE TREATMENT	Air Dried

RETAINED 37.5mm	63 %	18-528 - Cherryfield Dr	ZONE X	MOULD SIZE		CBR
RETAINED 20mm	73 %	PARTICLE DENSITY	2.60	Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	8.0	1.732
2	10.2	1.787
3	12.1	1.833
4	14.0	1.795
5	16.3	1.751



OPTIMUM WATER CONTENT	**12**	(%)
MAXIMUM DRY DENSITY	**1.83**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) SIGNED DATE 20-Apr-26
(Director / Head of Laboratory)

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 18-528 -
Cherryfield Drive

Job Number MRN 26002/128
Date of Issue 20 April 2026

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.

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MURRAY RIX

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DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

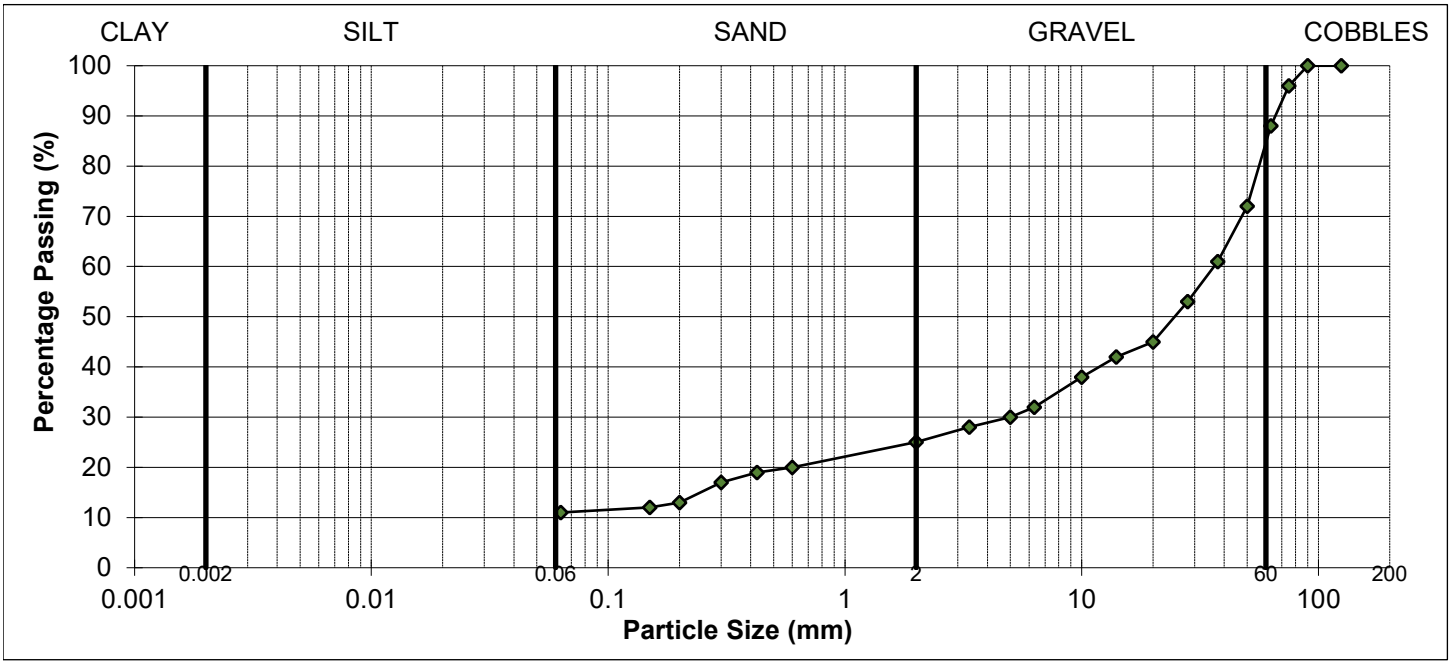
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 - Cherryfield Drive
JOB NUMBER	MRN 26002/128

SAMPLE LABEL	6F2-110	DATE SAMPLED	05-Mar-26
LAB SAMPLE No	6049501	DATE RECEIVED	11-Mar-26
DATE TESTED	20-Mar-26	SAMPLED BY	Client

MATERIAL	Crush		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	12.4

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	32	
90	100	80-100	5	30	10-45
75	96	65-100	3.35	28	
63	88		2	25	
50	72		0.6	20	0-25
37.5	61	45-100	0.425	19	
28	53		0.3	17	
20	45		0.2	13	
14	42		0.15	12	
10	38	15-60	0.063	11	0-12



SOIL FRACTIONS			
COBBLES	12%	SAND	14%
GRAVEL	63%	SILT / CLAY	11%

REMARKS
Sample complies with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

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

DATE 20-Apr-26

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

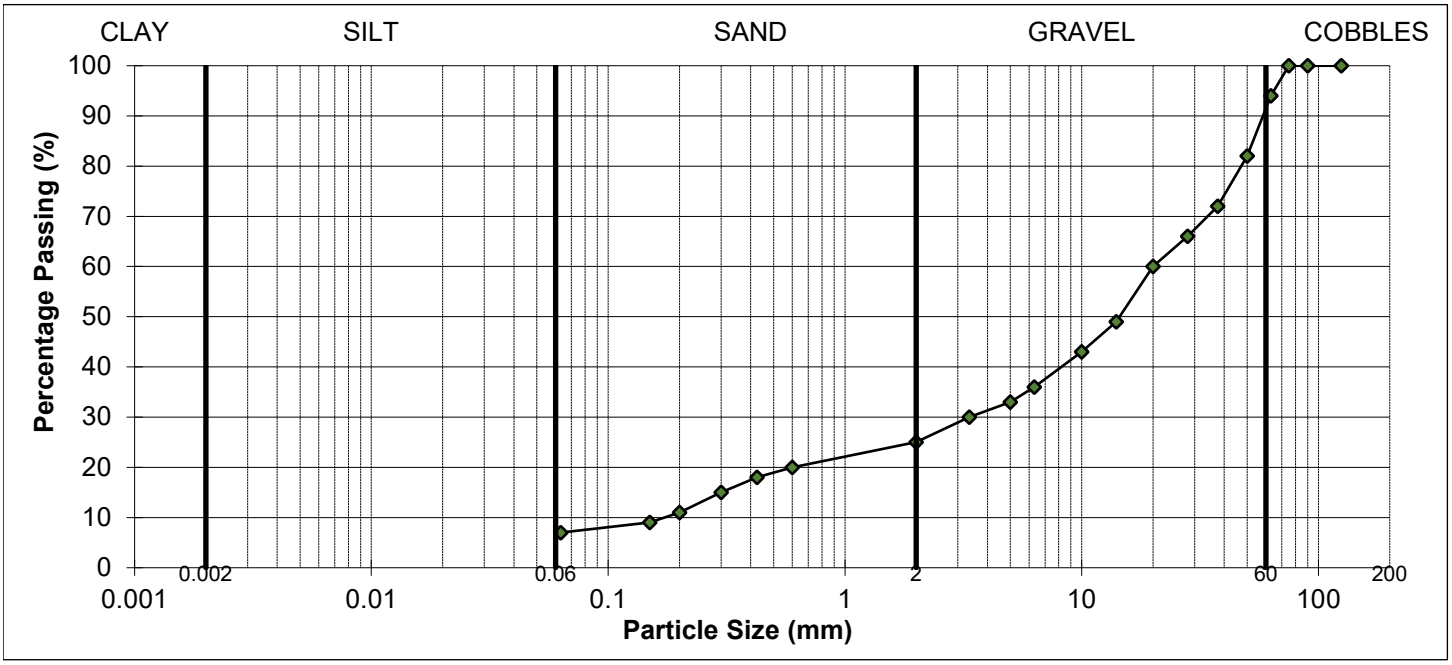
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 - Cherryfield Drive
JOB NUMBER	MRN 26002/128

SAMPLE LABEL	6F2-111	DATE SAMPLED	05-Mar-26
LAB SAMPLE No	6049502	DATE RECEIVED	11-Mar-26
DATE TESTED	20-Mar-26	SAMPLED BY	Client

MATERIAL	Crush		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	5.7

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	36	
90	100	80-100	5	33	10-45
75	100	65-100	3.35	30	
63	94		2	25	
50	82		0.6	20	0-25
37.5	72	45-100	0.425	18	
28	66		0.3	15	
20	60		0.2	11	
14	49		0.15	9	
10	43	15-60	0.063	7	0-12



SOIL FRACTIONS			
COBBLES	6%	SAND	18%
GRAVEL	69%	SILT / CLAY	7%

REMARKS
Sample complies with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

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

DATE 20-Apr-26

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

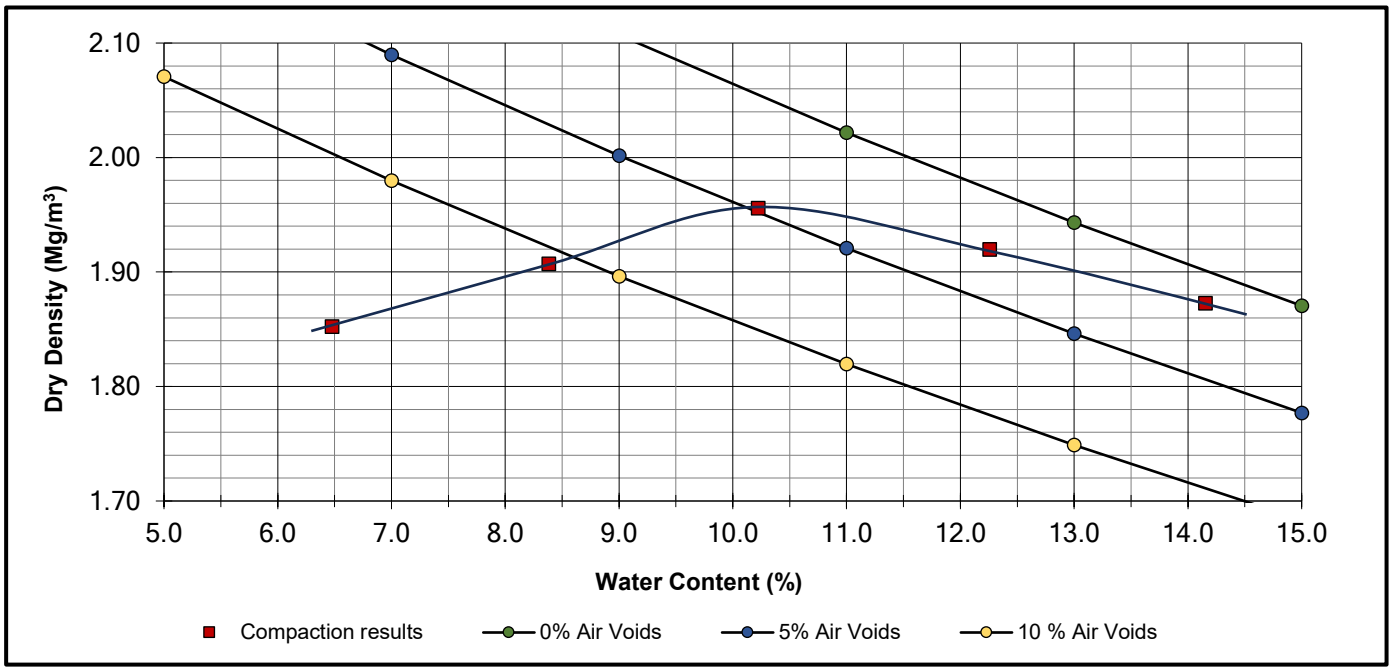
CLIENT	e3p
SITE	18-528 - Cherryfield Drive
JOB NUMBER	MRN 26002/128

SAMPLE LABEL	6F2-110	DATE SAMPLED	05-Mar-26
SAMPLE NUMBER	6049501	DATE RECEIVED	11-Mar-26
DATE TESTED	02-Apr-26	SAMPLED BY	Client

MATERIAL	Crush
ADVISED SOURCE	Site Won
PRE TREATMENT	Air Dried

RETAINED 37.5mm	39 %	GRADING ZONE	ZONE X	MOULD SIZE	1 Litre
RETAINED 20mm	55 %	PARTICLE DENSITY	2.60 Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	6.5	1.852
2	8.4	1.907
3	10.2	1.956
4	12.3	1.920
5	14.2	1.873



OPTIMUM WATER CONTENT	**10**	(%)
MAXIMUM DRY DENSITY	**1.96**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) SIGNED DATE 20-Apr-26
(Director / Head of Laboratory)

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DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

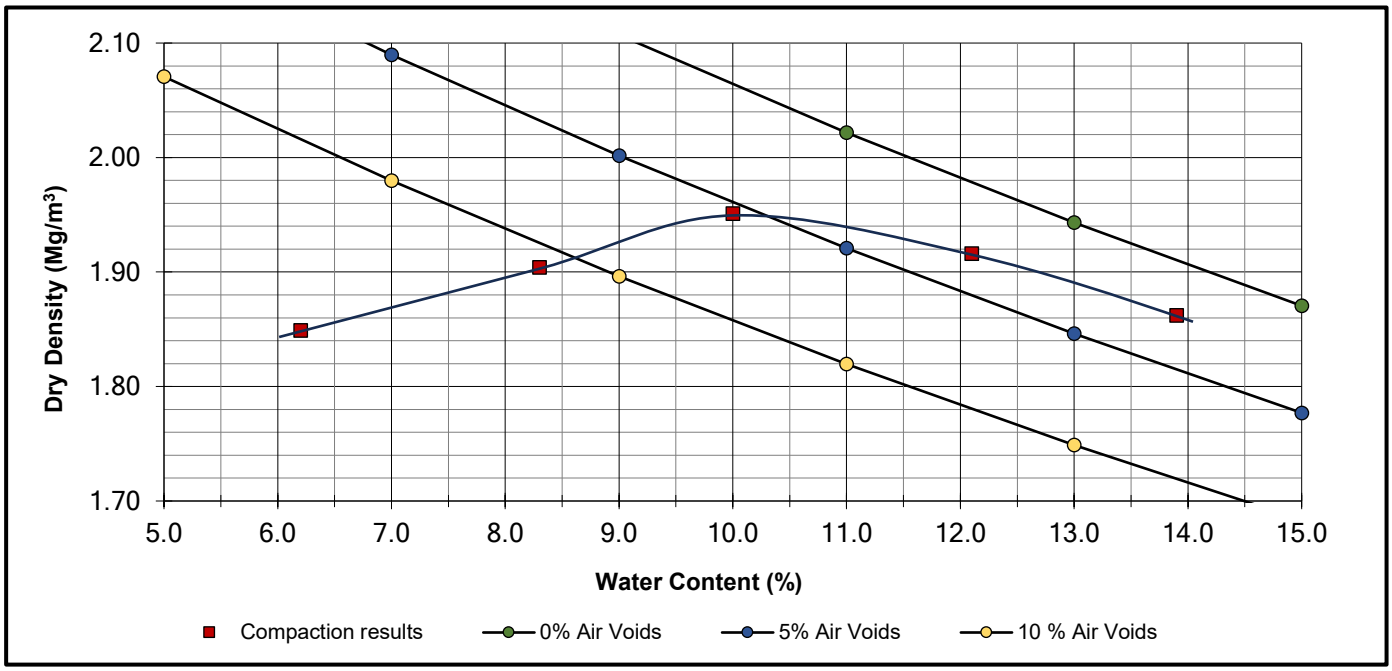
CLIENT	e3p
SITE	18-528 - Cherryfield Drive
JOB NUMBER	MRN 26002/128

SAMPLE LABEL	6F2-111	DATE SAMPLED	05-Mar-26
SAMPLE NUMBER	6049502	DATE RECEIVED	11-Mar-26
DATE TESTED	02-Apr-26	SAMPLED BY	Client

MATERIAL	Crush
ADVISED SOURCE	Site Won
PRE TREATMENT	Air Dried

RETAINED 37.5mm	28 %	GRADING ZONE	ZONE X	MOULD SIZE	1 Litre
RETAINED 20mm	40 %	PARTICLE DENSITY	2.60 Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	6.2	1.849
2	8.3	1.904
3	10.0	1.951
4	12.1	1.916
5	13.9	1.862



OPTIMUM WATER CONTENT	**10**	(%)
MAXIMUM DRY DENSITY	**1.95**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) SIGNED DATE 20-Apr-26
(Director / Head of Laboratory)

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 18-528 Cherryfield Drive

Job Number MRN 26002/148
Date of Issue 30 April 2026

Approved Signatories

S J Hutchings, O P Davies

Notes

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M U R R A Y R I X

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

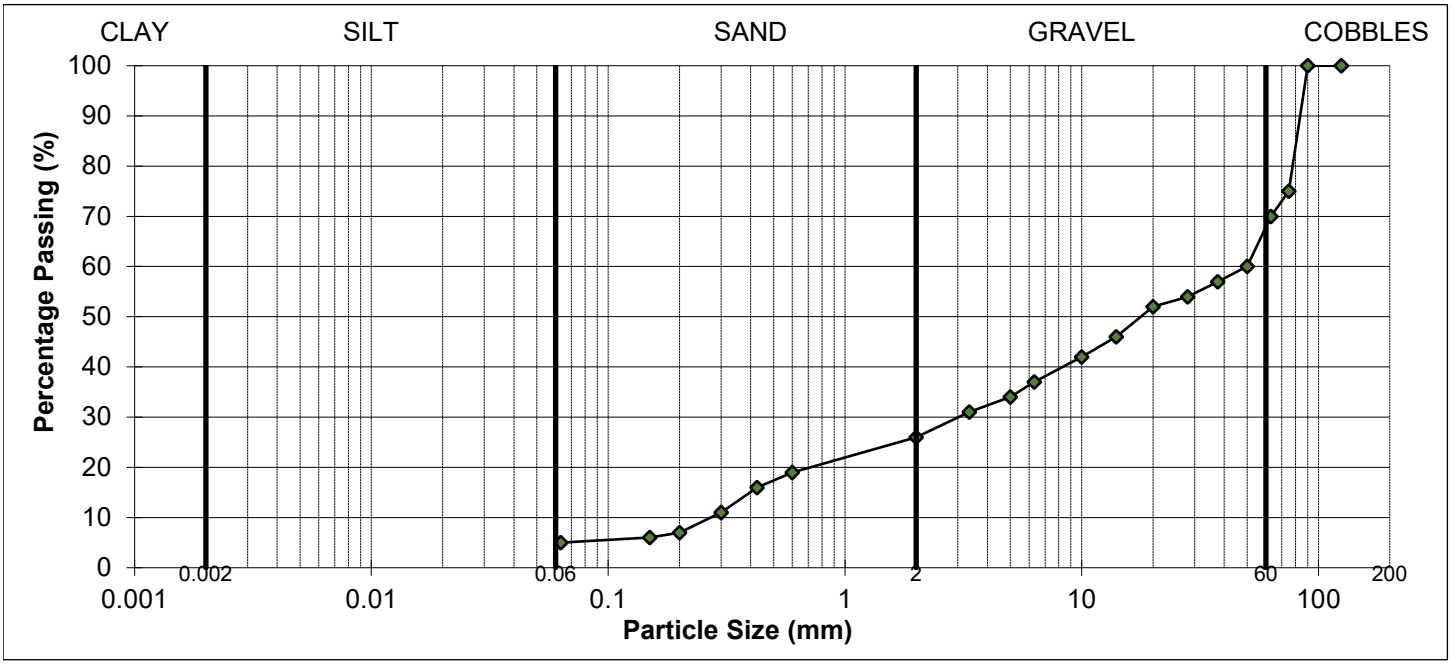
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/148

SAMPLE LABEL	6F2-112	DATE SAMPLED	09-Apr-26
LAB SAMPLE No	6077901	DATE RECEIVED	15-Apr-26
DATE TESTED	21-Apr-26	SAMPLED BY	Client

MATERIAL	Recycled Crush		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	6.6

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	37	
90	100	80-100	5	34	10-45
75	75	65-100	3.35	31	
63	70		2	26	
50	60		0.6	19	0-25
37.5	57	45-100	0.425	16	
28	54		0.3	11	
20	52		0.2	7	
14	46		0.15	6	
10	42	15-60	0.063	5	0-12



SOIL FRACTIONS			
COBBLES	30%	SAND	21%
GRAVEL	44%	SILT / CLAY	5%

REMARKS
Sample complies with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

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

DATE 30-Apr-26

M U R R A Y R I X

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

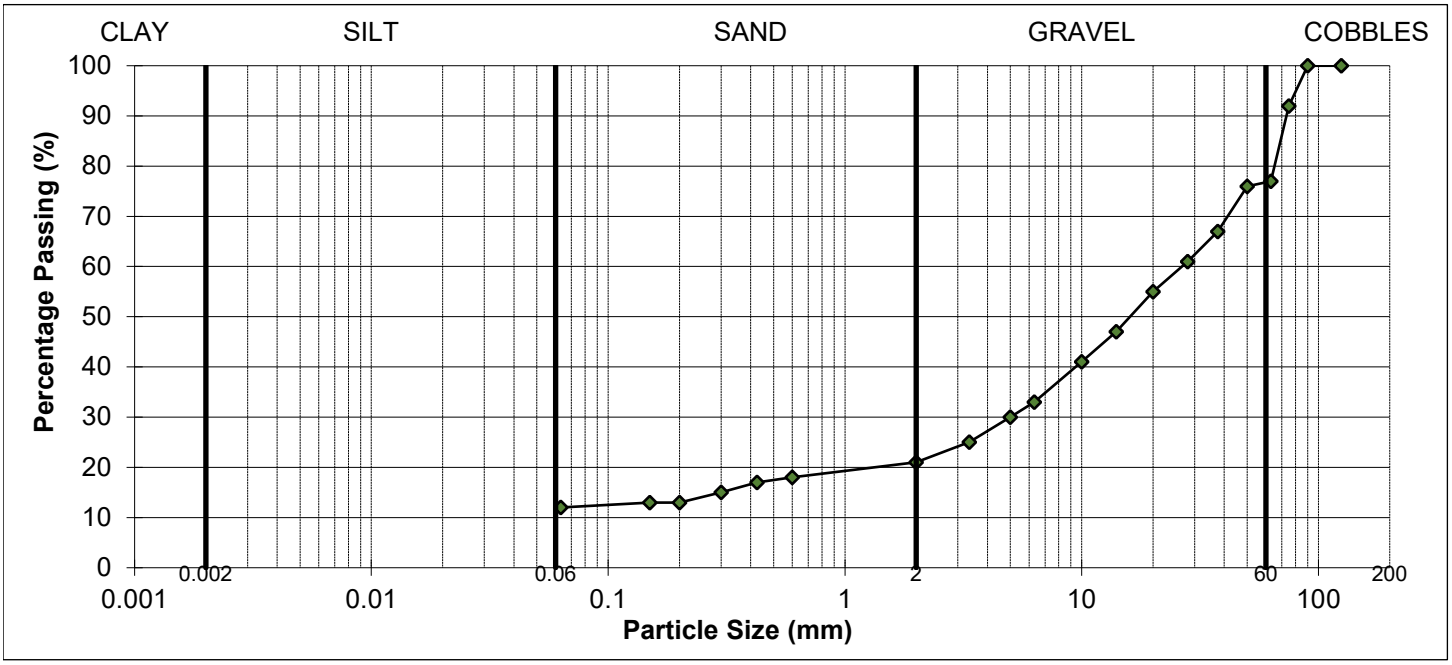
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/148

SAMPLE LABEL	6F2-113	DATE SAMPLED	09-Apr-26
LAB SAMPLE No	6077902	DATE RECEIVED	15-Apr-26
DATE TESTED	21-Apr-26	SAMPLED BY	Client

MATERIAL	Recycled Crush		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	5.7

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	33	
90	100	80-100	5	30	10-45
75	92	65-100	3.35	25	
63	77		2	21	
50	76		0.6	18	0-25
37.5	67	45-100	0.425	17	
28	61		0.3	15	
20	55		0.2	13	
14	47		0.15	13	
10	41	15-60	0.063	12	0-12



SOIL FRACTIONS			
COBBLES	23%	SAND	9%
GRAVEL	56%	SILT / CLAY	12%

REMARKS
Sample complies with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 30-Apr-26
(Director / Head of Laboratory)

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

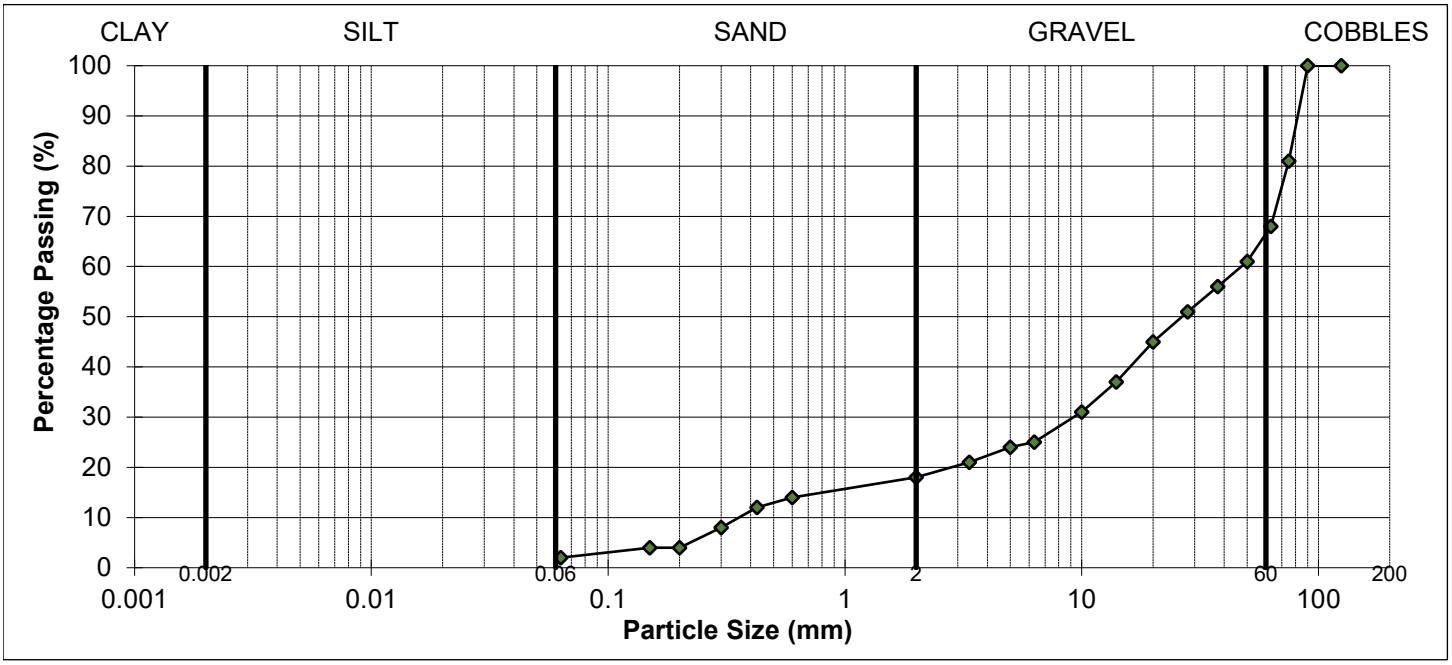
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/148

SAMPLE LABEL	6F2-114	DATE SAMPLED	09-Apr-26
LAB SAMPLE No	6077903	DATE RECEIVED	15-Apr-26
DATE TESTED	21-Apr-26	SAMPLED BY	Client

MATERIAL	Recycled Crush		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	5.8

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	25	
90	100	80-100	5	24	10-45
75	81	65-100	3.35	21	
63	68		2	18	
50	61		0.6	14	0-25
37.5	56	45-100	0.425	12	
28	51		0.3	8	
20	45		0.2	4	
14	37		0.15	4	
10	31	15-60	0.063	2	0-12



SOIL FRACTIONS			
COBBLES	32%	SAND	16%
GRAVEL	50%	SILT / CLAY	2%

REMARKS
Sample complies with the advised grading specification for a 6F2 material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 30-Apr-26
(Director / Head of Laboratory)

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

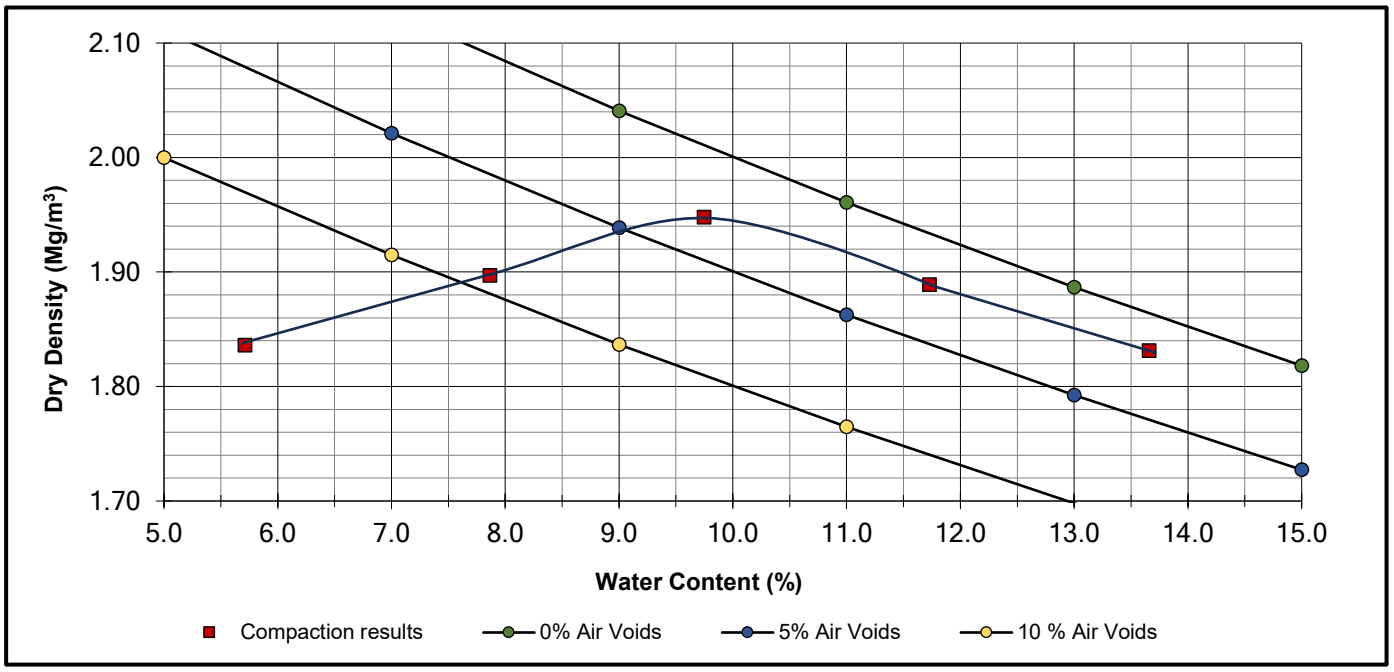
CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/148

SAMPLE LABEL	6F2-112	DATE SAMPLED	09-Apr-26
SAMPLE NUMBER	6077901	DATE RECEIVED	15-Apr-26
DATE TESTED	21-Apr-26	SAMPLED BY	Client

MATERIAL	Recycled Crush
ADVISED SOURCE	Site Won
PRE TREATMENT	Air dried / Separate Batches

RETAINED 37.5mm	43 %	GRADING ZONE	ZONE X	MOULD SIZE	CBR
RETAINED 20mm	48 %	PARTICLE DENSITY	2.50 Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	5.7	1.836
2	7.9	1.897
3	9.7	1.948
4	11.7	1.889
5	13.7	1.831



OPTIMUM WATER CONTENT	**9.8**	(%)
MAXIMUM DRY DENSITY	**1.95**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) SIGNED DATE 30-Apr-26
(Director / Head of Laboratory)

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

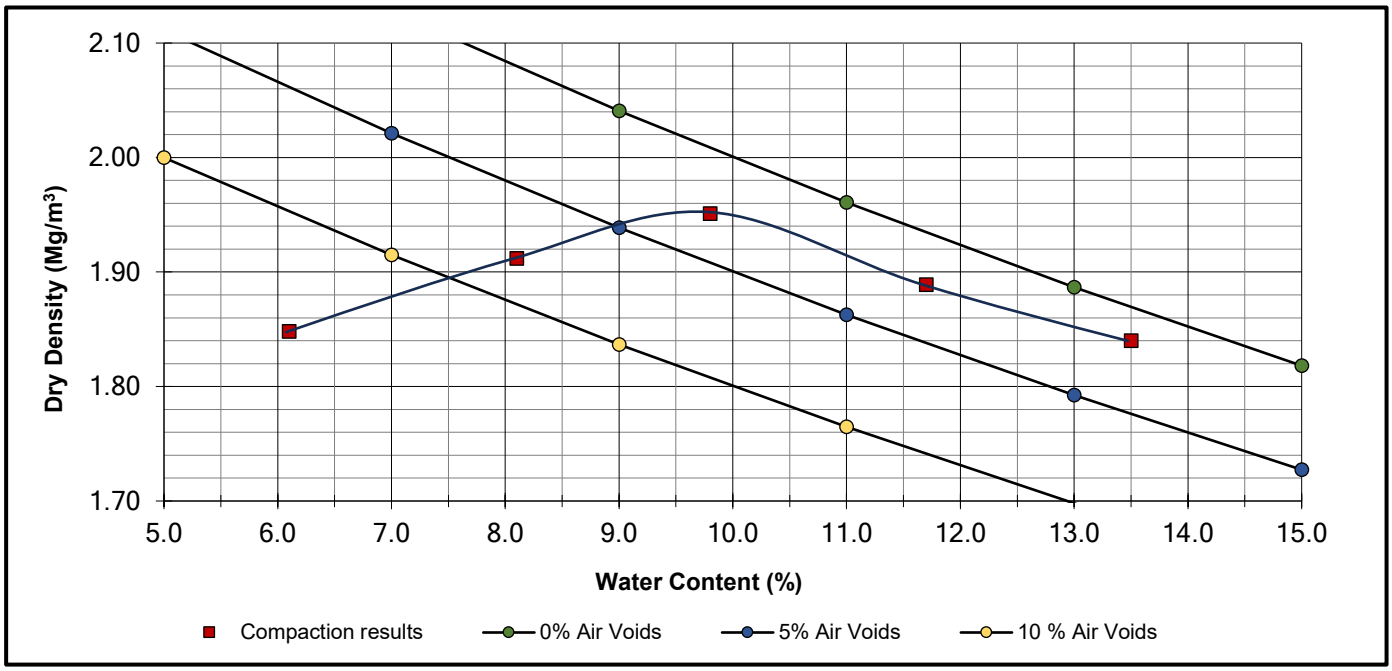
CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/148

SAMPLE LABEL	6F2-114	DATE SAMPLED	09-Apr-26
SAMPLE NUMBER	6077903	DATE RECEIVED	15-Apr-26
DATE TESTED	21-Apr-26	SAMPLED BY	Client

MATERIAL	Recycled Crush
ADVISED SOURCE	Site Won
PRE TREATMENT	Air dried / Separate Batches

RETAINED 37.5mm	44 %	GRADING ZONE	ZONE X	MOULD SIZE		CBR
RETAINED 20mm	55 %	PARTICLE DENSITY	2.50	Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	6.1	1.848
2	8.1	1.912
3	9.8	1.951
4	11.7	1.889
5	13.5	1.840



OPTIMUM WATER CONTENT	**10**	(%)
MAXIMUM DRY DENSITY	**1.95**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) SIGNED DATE 30-Apr-26
(Director / Head of Laboratory)

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 15-280 -
Cherryfield Drive

Job Number MRN 25005/124
Date of Issue 30 June 2025

Approved Signatories

S J Hutchings, O P Davies

Notes

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M U R R A Y R I X
ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

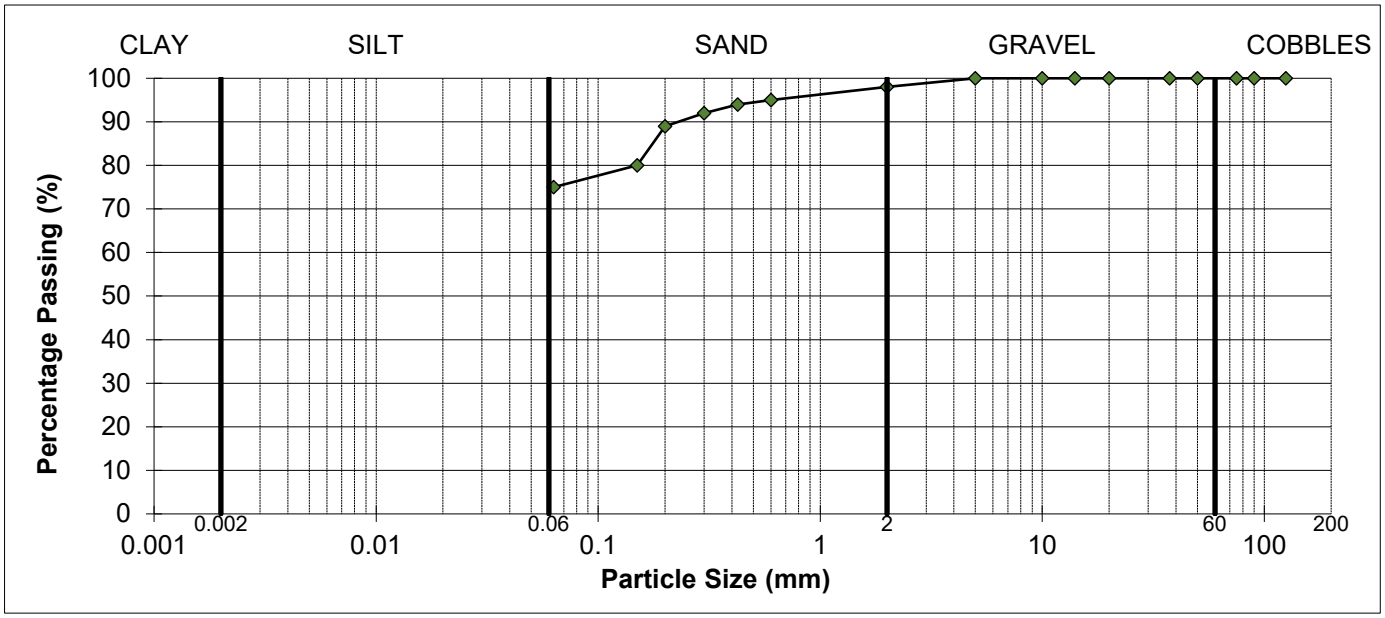
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	15-280 - Cherryfield Drive
JOB NUMBER	MRN 25005/124

SAMPLE LABEL	WS-D320-F 1.5-2.0m U	DATE SAMPLED	20-May-25
LAB SAMPLE No	5094709	DATE RECEIVED	28-May-25
DATE TESTED	30-May-25	SAMPLED BY	Client

MATERIAL	Brown silty sandy slightly gravelly CLAY
ADVISED SOURCE	Site Investigation Sample

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	5	100	
90	100		2	98	80-100
75	100		0.6	95	
50	100		0.425	94	
37.5	100		0.3	92	
20	100		0.2	89	
14	100		0.15	80	
10	100		0.063	75	15-100



SOIL FRACTIONS			
COBBLES	0%	SAND	23%
GRAVEL	2%	SILT / CLAY	75%

As received water content	12.0%

REMARKS
Sample complies with the advised grading specification for a 2A/2B material (SHW Series 600, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) (Director / Head of Laboratory) DATE 30-Jun-25

M U R R A Y R I X
ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

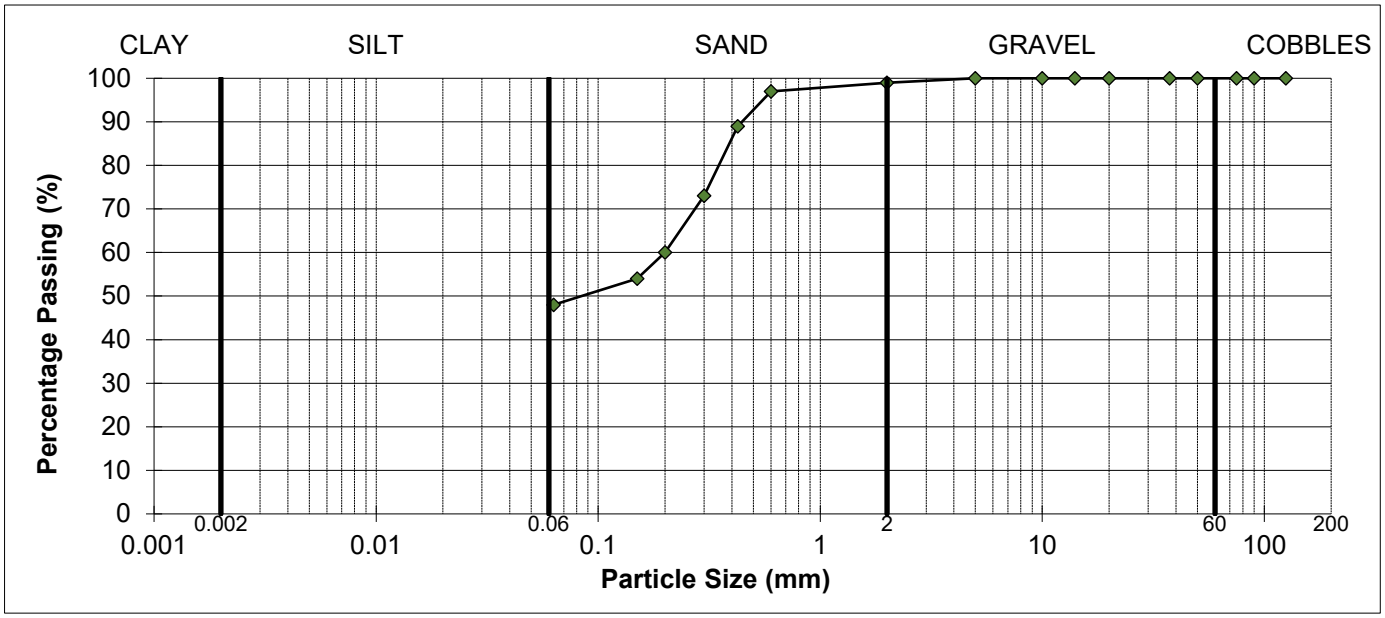
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	15-280 - Cherryfield Drive
JOB NUMBER	MRN 25005/124

SAMPLE LABEL	WS-D294-N-3.5-4.0-U	DATE SAMPLED	20-May-25
LAB SAMPLE No	5094709	DATE RECEIVED	28-May-25
DATE TESTED	30-May-25	SAMPLED BY	Client

MATERIAL	Brown clayey slightly gravelly SAND
ADVISED SOURCE	Site Investigation Sample

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	5	100	
90	100		2	99	80-100
75	100		0.6	97	
50	100		0.425	89	
37.5	100		0.3	73	
20	100		0.2	60	
14	100		0.15	54	
10	100		0.063	48	15-100



SOIL FRACTIONS			
COBBLES	0%	SAND	51%
GRAVEL	1%	SILT / CLAY	48%

As received water content	17.6%

REMARKS
Sample complies with the advised grading specification for a 2A/2B material (SHW Series 600, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) (Director / Head of Laboratory) DATE 30-Jun-25

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TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

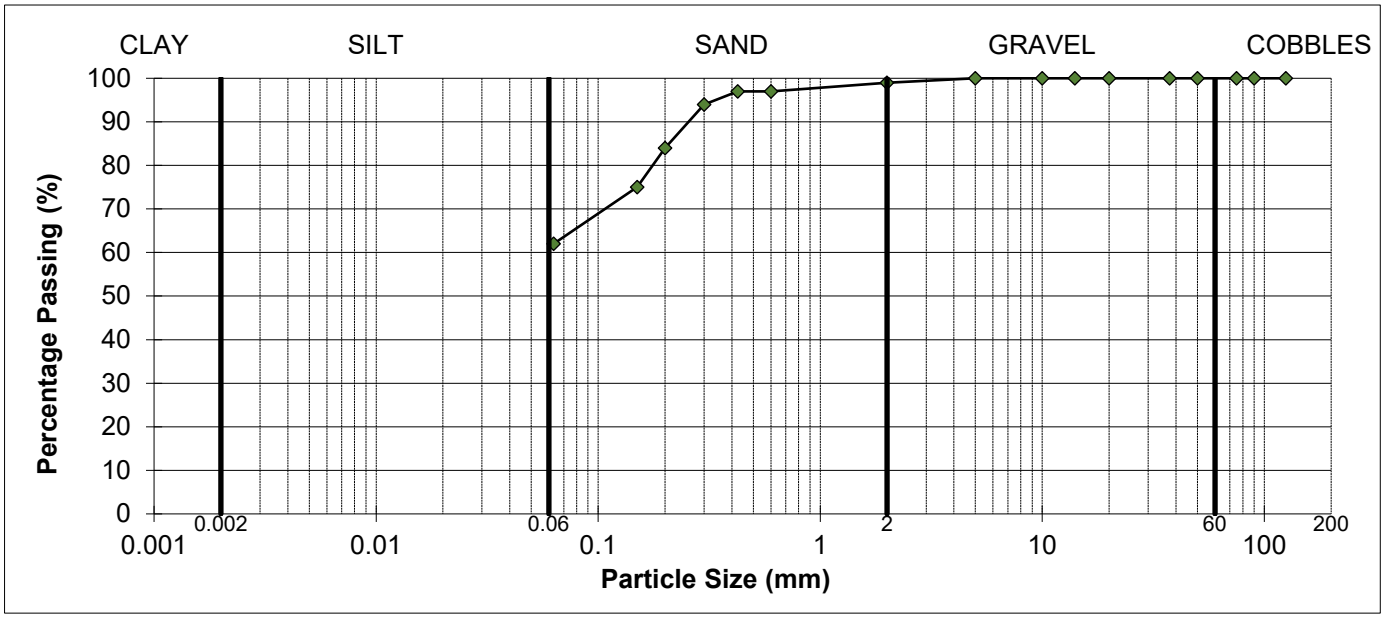
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	15-280 - Cherryfield Drive
JOB NUMBER	MRN 25005/124

SAMPLE LABEL	WS-D294-E 2.5-3.0m U	DATE SAMPLED	20-May-25
LAB SAMPLE No	5094707	DATE RECEIVED	28-May-25
DATE TESTED	30-May-25	SAMPLED BY	Client

MATERIAL	Brown silty sandy slightly gravelly CLAY
ADVISED SOURCE	Site Investigation Sample

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	5	100	
90	100		2	99	80-100
75	100		0.6	97	
50	100		0.425	97	
37.5	100		0.3	94	
20	100		0.2	84	
14	100		0.15	75	
10	100		0.063	62	15-100



SOIL FRACTIONS			
COBBLES	0%	SAND	37%
GRAVEL	1%	SILT / CLAY	62%

As received water content	17.6%

REMARKS
Sample complies with the advised grading specification for a 2A/2B material (SHW Series 600, Feb. 2017)

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NAME O.P. Davies BA (Hons) (Director / Head of Laboratory) DATE 30-Jun-25

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TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

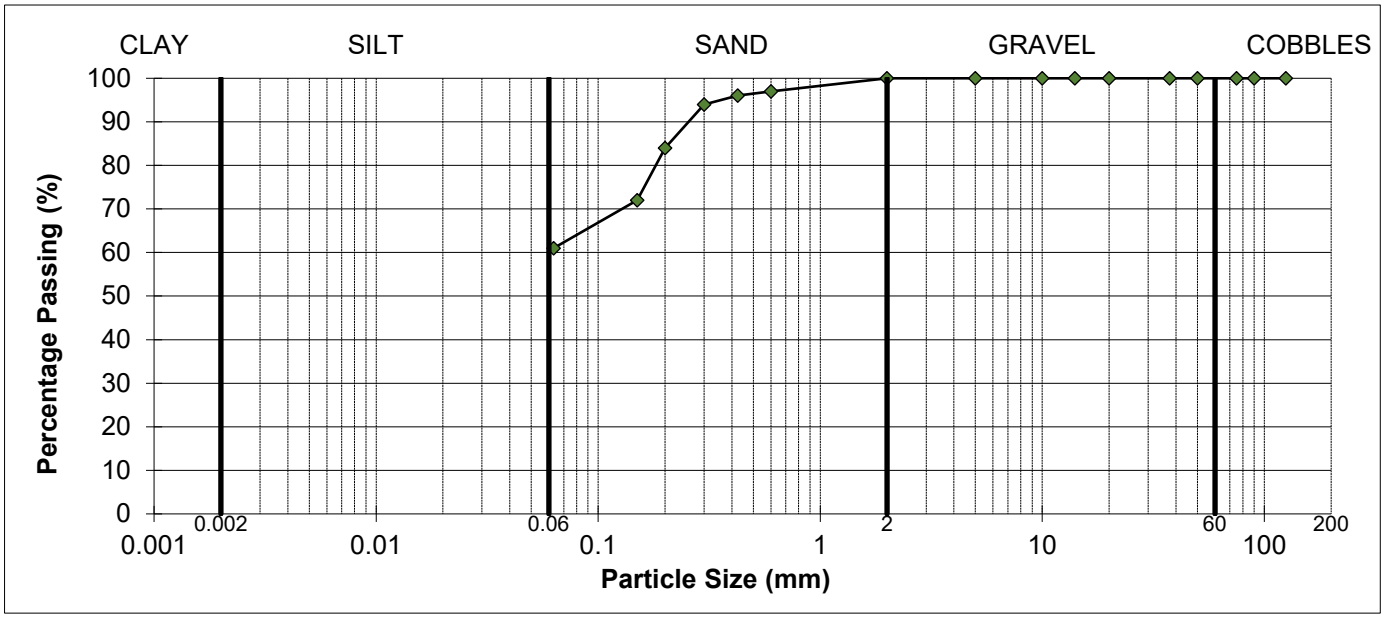
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	15-280 - Cherryfield Drive
JOB NUMBER	MRN 25005/124

SAMPLE LABEL	WS-T106-F 3.5-4.0m U	DATE SAMPLED	20-May-25
LAB SAMPLE No	5094704	DATE RECEIVED	28-May-25
DATE TESTED	30-May-25	SAMPLED BY	Client

MATERIAL	Brown silty sandy CLAY
ADVISED SOURCE	Site Investigation Sample

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	5	100	
90	100		2	100	80-100
75	100		0.6	97	
50	100		0.425	96	
37.5	100		0.3	94	
20	100		0.2	84	
14	100		0.15	72	
10	100		0.063	61	15-100



SOIL FRACTIONS			
COBBLES	0%	SAND	39%
GRAVEL	0%	SILT / CLAY	61%

As received water content	18.6%

REMARKS
Sample complies with the advised grading specification for a 2A/2B material (SHW Series 600, Feb. 2017)

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NAME O.P. Davies BA (Hons) (Director / Head of Laboratory) DATE 30-Jun-25

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UKAS TESTING 1580

TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

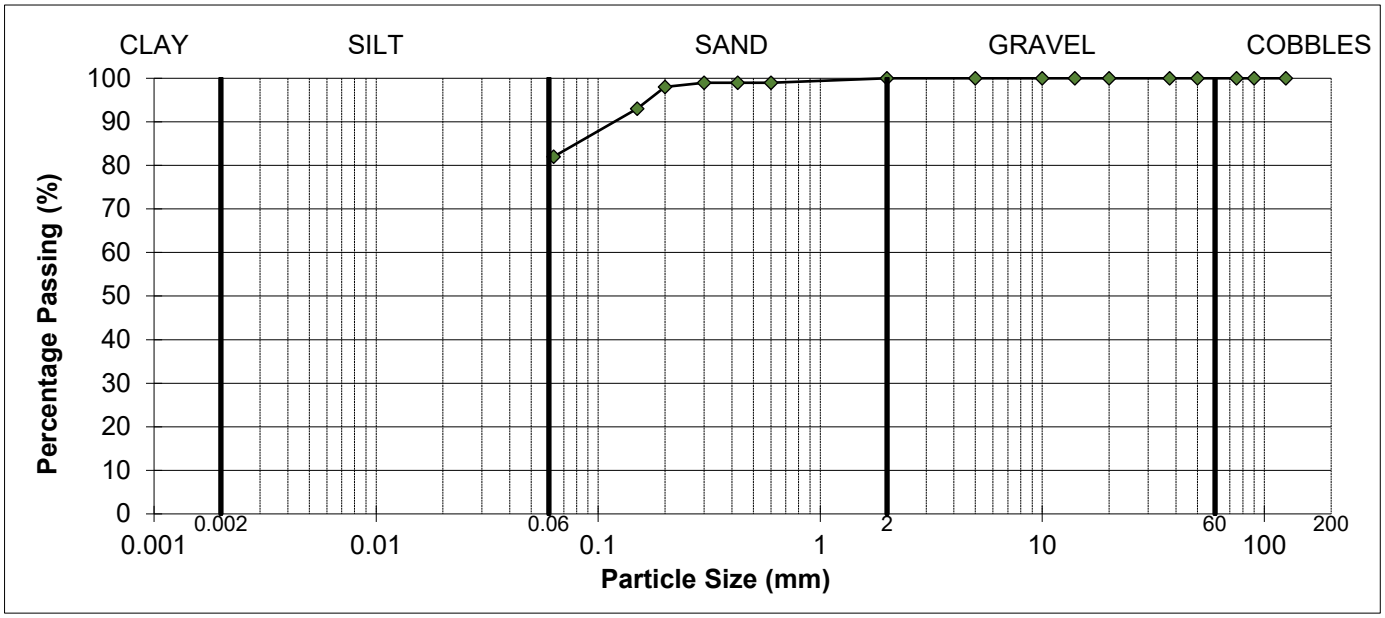
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	15-280 - Cherryfield Drive
JOB NUMBER	MRN 25005/124

SAMPLE LABEL	WS-D268-S 3.4-4.0m U	DATE SAMPLED	20-May-25
LAB SAMPLE No	5094706	DATE RECEIVED	28-May-25
DATE TESTED	30-May-25	SAMPLED BY	Client

MATERIAL	Brown silty sandy CLAY
ADVISED SOURCE	Site Investigation Sample

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	5	100	
90	100		2	100	80-100
75	100		0.6	99	
50	100		0.425	99	
37.5	100		0.3	99	
20	100		0.2	98	
14	100		0.15	93	
10	100		0.063	82	15-100



SOIL FRACTIONS			
COBBLES	0%	SAND	18%
GRAVEL	0%	SILT / CLAY	82%

As received water content	14.7%

REMARKS

Sample complies with the advised grading specification for a 2A/2B material (SHW Series 600, Feb. 2017)

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NAME O.P. Davies BA (Hons) (Director / Head of Laboratory) DATE 30-Jun-25

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TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

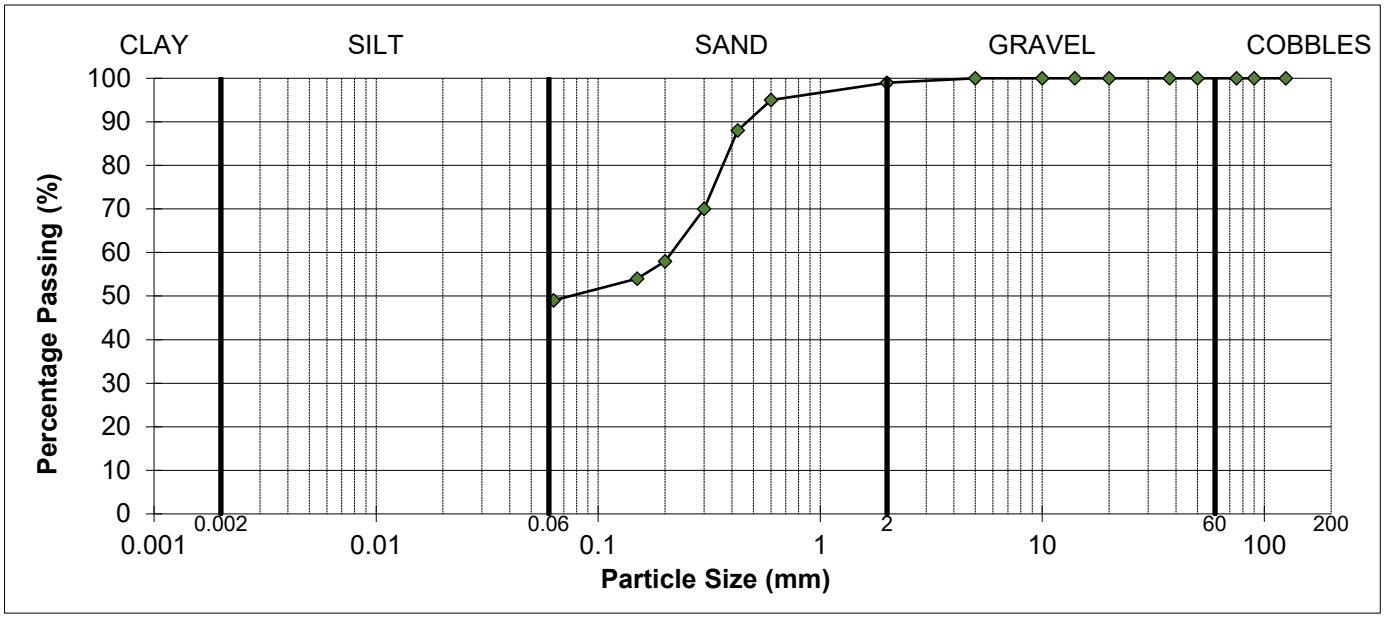
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	15-280 - Cherryfield Drive
JOB NUMBER	MRN 25005/124

SAMPLE LABEL	TT Plot D265-D266 4.6 B	DATE SAMPLED	20-May-25
LAB SAMPLE No	5094701	DATE RECEIVED	28-May-25
DATE TESTED	30-May-25	SAMPLED BY	Client

MATERIAL	Brown very sandy slightly gravelly CLAY
ADVISED SOURCE	Site Investigation Sample

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	5	100	
90	100		2	99	80-100
75	100		0.6	95	
50	100		0.425	88	
37.5	100		0.3	70	
20	100		0.2	58	
14	100		0.15	54	
10	100		0.063	49	15-100



SOIL FRACTIONS			
COBBLES	0%	SAND	50%
GRAVEL	1%	SILT / CLAY	49%

As received water content	21.6%

REMARKS
Sample complies with the advised grading specification for a 2A/2B material (SHW Series 600, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) (Director / Head of Laboratory) DATE 30-Jun-25

M U R R A Y R I X

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

TEST SUMMARY

DETERMINATION OF VOLUME OF ORGANIC MATERIAL

DETERMINATION OF THE LOSS ON IGNITION - BS 1377-3:2018+A1:2021, Cl. 6
DETERMINATION OF PARTICLE DENSITY - BS 1377-2:2022 Cl. 9.2 (GAS JAR)
DETERMINATION OF WATER CONTENT - BS EN ISO 17892-1:2014+A1:2022 (OVEN DRY)

CLIENT	e3p
SITE	15-280 - Cherryfield Drive
JOB NUMBER	MRN 25005/124

SAMPLE DETAILS

Laboratory sample number	:	5094703
Site mark	:	TT Plot D281 2.1 B
Advised source	:	Site Investigation Sample
Material	:	Made Ground
Date of sampling	:	20-May-25
Date received at Laboratory	:	28-May-25
Date of start of test	:	30-May-25
Sampling Location	:	TT Plot 376
Sampled by	:	Client

TEST RESULTS

Mass of Mineral	:	5991	*(g)*
Particle Density of Mineral	:	2.54	*(Mg/m^3)*
Volume of Mineral	:	0.236	*(m^3)*
Mass of Organics	:	1033	*(g)*
Particle Density of Organics	:	0.92	*(Mg/m^3)*
Volume of Organics	:	0.112	*(m^3)*
VOLUME OF ORGANICS AS A PERCENTAGE OF THE VOLUME OF DRY SOIL	:	14.7	%

Comment / Remarks

SIGNED

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

DATE 30-Jun-25

M U R R A Y R I X

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

TEST SUMMARY

DETERMINATION OF VOLUME OF ORGANIC MATERIAL

DETERMINATION OF THE LOSS ON IGNITION - BS 1377-3:2018+A1:2021, Cl. 6
DETERMINATION OF PARTICLE DENSITY - BS 1377-2:2022 Cl. 9.2 (GAS JAR)
DETERMINATION OF WATER CONTENT - BS EN ISO 17892-1:2014+A1:2022 (OVEN DRY)

CLIENT	e3p
SITE	15-280 - Cherryfield Drive
JOB NUMBER	MRN 25005/124

SAMPLE DETAILS

Laboratory sample number	:	5094702
Site mark	:	TT Plot D277-D278 3.2 B
Advised source	:	Site Investigation Sample
Material	:	Made Ground
Date of sampling	:	20-May-25
Date received at Laboratory	:	28-May-25
Date of start of test	:	30-May-25
Sampling Location	:	TT Plot 372-373
Sampled by	:	Client

TEST RESULTS

Mass of Mineral	:	7439	*(g)*
Particle Density of Mineral	:	2.59	*(Mg/m^3)*
Volume of Mineral	:	0.287	*(m^3)*
Mass of Organics	:	638	*(g)*
Particle Density of Organics	:	1.26	*(Mg/m^3)*
Volume of Organics	:	0.051	*(m^3)*
VOLUME OF ORGANICS AS A PERCENTAGE OF THE VOLUME OF DRY SOIL	:	7.9	%

Comment / Remarks

SIGNED

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

DATE 30-Jun-25

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract Cherryfield Drive,
Kirkby

Job Number MRN 26002/64
Date of Issue 25 February 2026

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.

M U R R A Y R I X

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

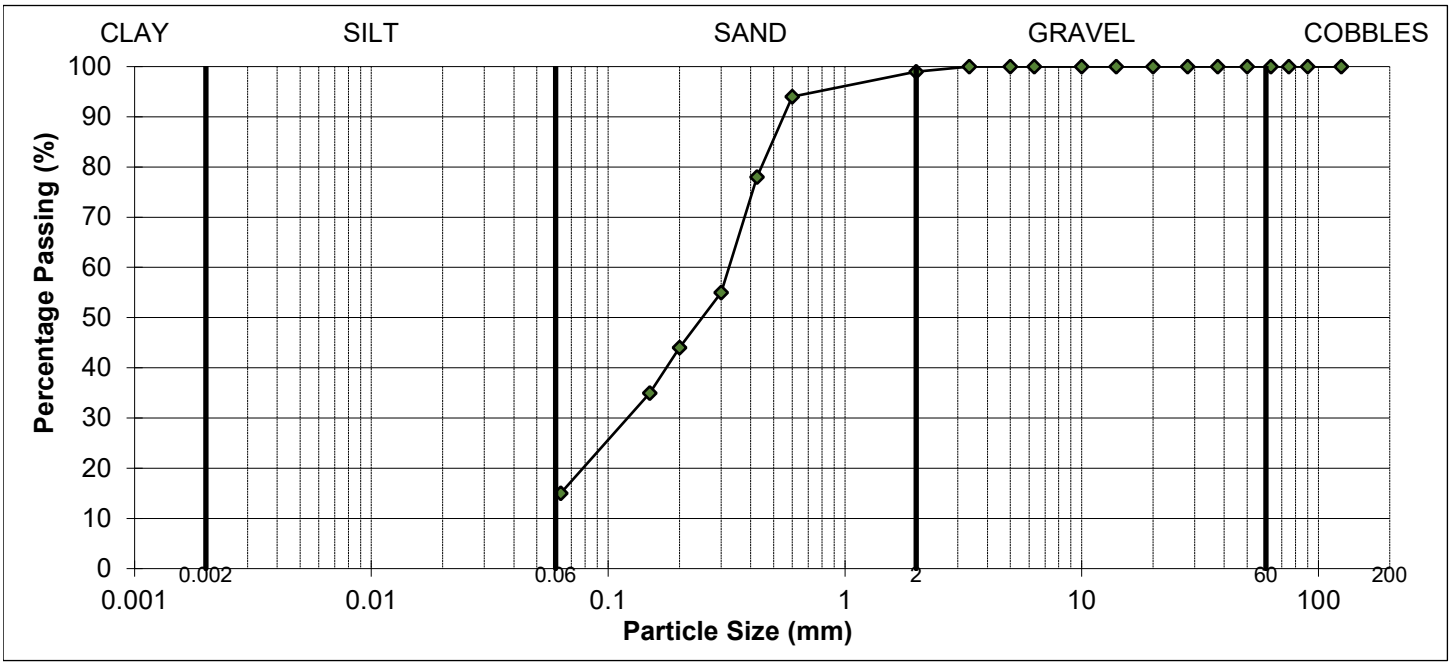
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	Cherryfield Drive, Kirkby
JOB NUMBER	MRN 26002/64

SAMPLE LABEL	TP Plots D105-D106 Garage	DATE SAMPLED	27-Jan-26
LAB SAMPLE No	6016601	DATE RECEIVED	28-Jan-26
DATE TESTED	04-Feb	SAMPLED BY	Client

MATERIAL	Reddish brown silty slightly gravelly SAND		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	8.8

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	100	
90	100		5	100	
75	100		3.35	100	
63	100		2	99	80-100
50	100		0.6	94	
37.5	100		0.425	78	
28	100		0.3	55	
20	100		0.2	44	
14	100		0.15	35	
10	100		0.063	15	15-100



SOIL FRACTIONS			
COBBLES	0	SAND	84%
GRAVEL	1%	SILT / CLAY	15%

REMARKS

Sample complies with the advised grading specification for a 2A/2B material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 25-Feb-26

(Director / Head of Laboratory)

M U R R A Y R I X

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UKAS TESTING 1580

TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

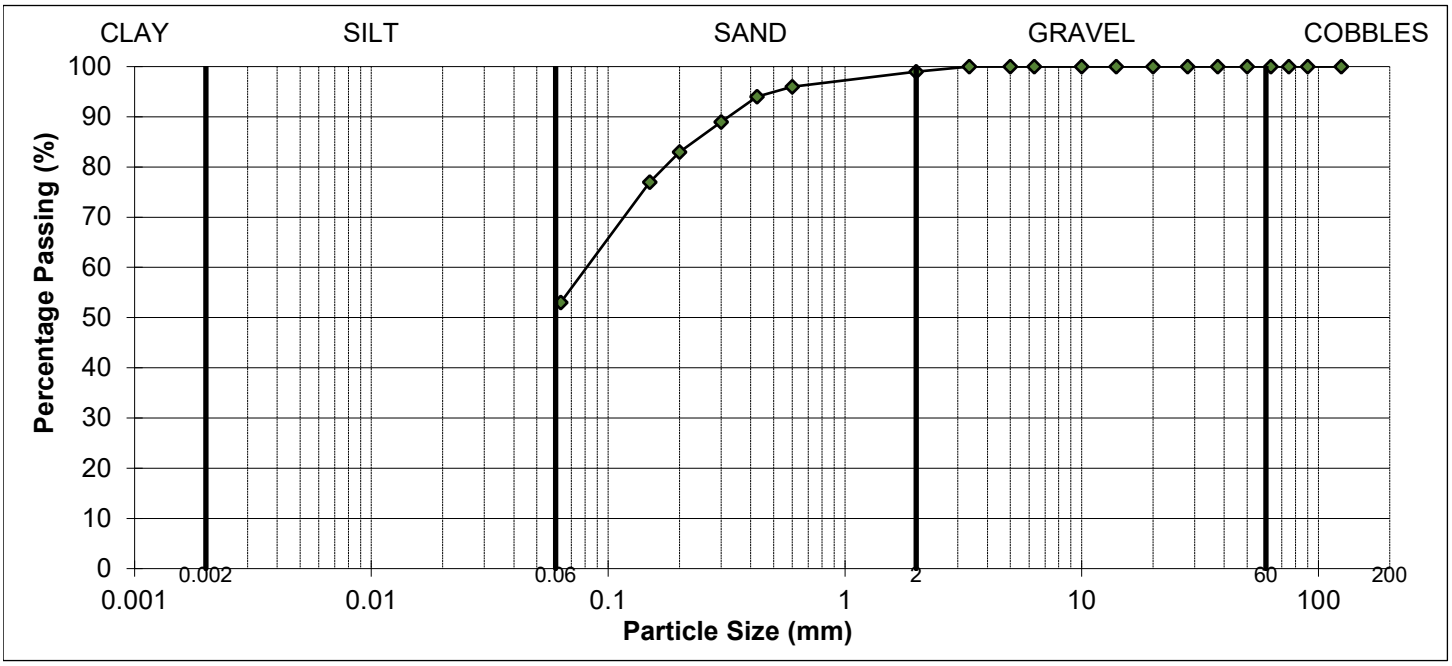
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	Cherryfield Drive, Kirkby
JOB NUMBER	MRN 26002/64

SAMPLE LABEL	TP Plot D103	DATE SAMPLED	27-Jan-26
LAB SAMPLE No	6016602	DATE RECEIVED	28-Jan-26
DATE TESTED	04/02/2026	SAMPLED BY	Client

MATERIAL	Reddish brown silty slightly gravelly SAND		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	13.2

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	100	
90	100		5	100	
75	100		3.35	100	
63	100		2	99	80-100
50	100		0.6	96	
37.5	100		0.425	94	
28	100		0.3	89	
20	100		0.2	83	
14	100		0.15	77	
10	100		0.063	53	15-100



SOIL FRACTIONS			
COBBLES	0	SAND	46%
GRAVEL	1%	SILT / CLAY	53%

REMARKS

Sample complies with the advised grading specification for a 2A/2B material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 25-Feb-26
(Director / Head of Laboratory)

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TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

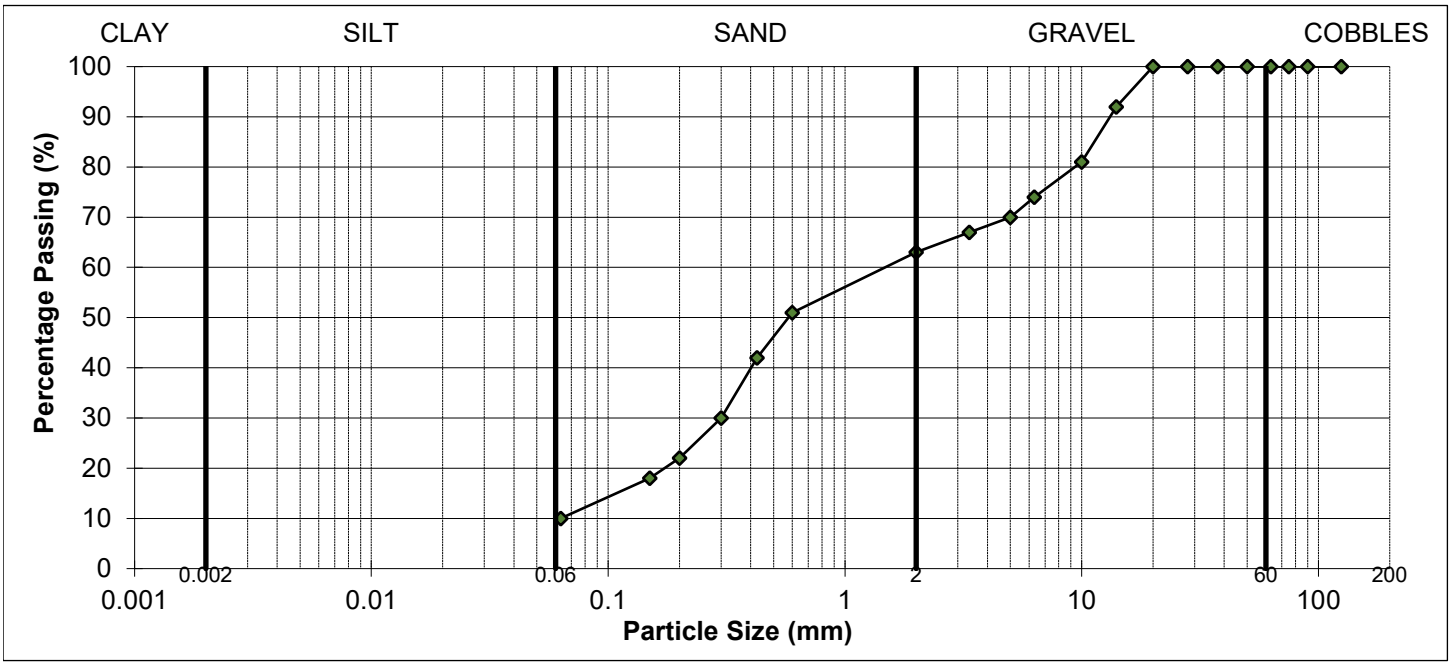
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	Cherryfield Drive, Kirkby
JOB NUMBER	MRN 26002/64

SAMPLE LABEL	TP Plots D123-D124	DATE SAMPLED	27-Jan-26
LAB SAMPLE No	6016603	DATE RECEIVED	28-Jan-26
DATE TESTED	04/02/2026	SAMPLED BY	Client

MATERIAL	Reddish brown silty very gravelly SAND		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	7.0

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	95-100	6.3	74	
90	100		5	70	
75	100		3.35	67	
63	100		2	63	
50	100		0.6	51	
37.5	100		0.425	42	
28	100		0.3	30	
20	100		0.2	22	
14	92		0.15	18	
10	81		0.063	10	<15



SOIL FRACTIONS			
COBBLES	0	SAND	53%
GRAVEL	37%	SILT / CLAY	10%

REMARKS

Sample complies with the advised grading specification for a 1A material (SHW Series 600, Table 6/2, Feb. 2017)

Uniformity coefficient = >10

SIGNED

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

DATE 25-Feb-26

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UKAS TESTING 1580

TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

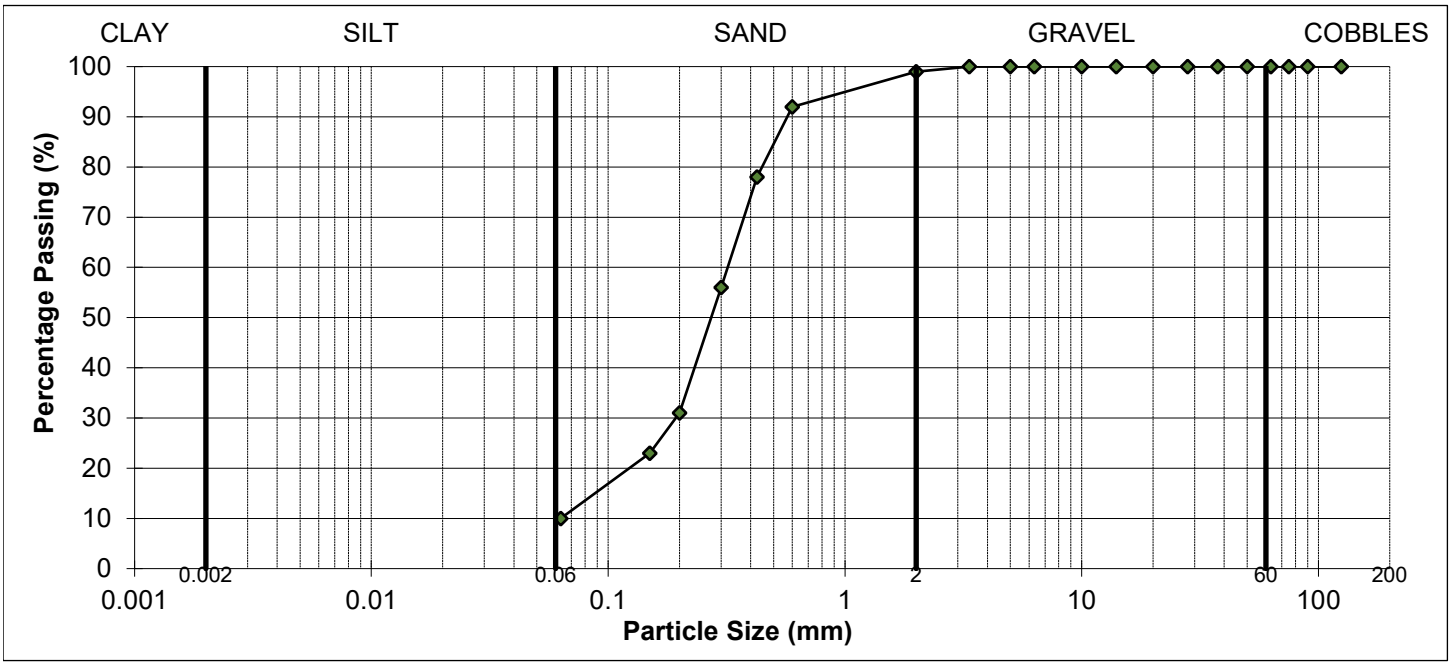
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	Cherryfield Drive, Kirkby
JOB NUMBER	MRN 26002/64

SAMPLE LABEL	TP Plots D10	DATE SAMPLED	27-Jan-26
LAB SAMPLE No	6016604	DATE RECEIVED	28-Jan-26
DATE TESTED	04/02/2026	SAMPLED BY	Client

MATERIAL	Reddish brown silty slightly gravelly SAND		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	14.6

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	95-100	6.3	100	
90	100		5	100	
75	100		3.35	100	
63	100		2	99	
50	100		0.6	92	
37.5	100		0.425	78	
28	100		0.3	56	
20	100		0.2	31	
14	100		0.15	23	
10	100		0.063	10	<15



SOIL FRACTIONS			
COBBLES	0	SAND	89%
GRAVEL	1%	SILT / CLAY	10%

REMARKS

Sample complies with the advised grading specification for a 1B material (SHW Series 600, Table 6/2, Feb. 2017)

Uniformity coefficient = <10

SIGNED

NAME O.P. Davies BA (Hons) (Director / Head of Laboratory) DATE 25-Feb-26

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DUKINFIELD, CHESHIRE SK16 4QX
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TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

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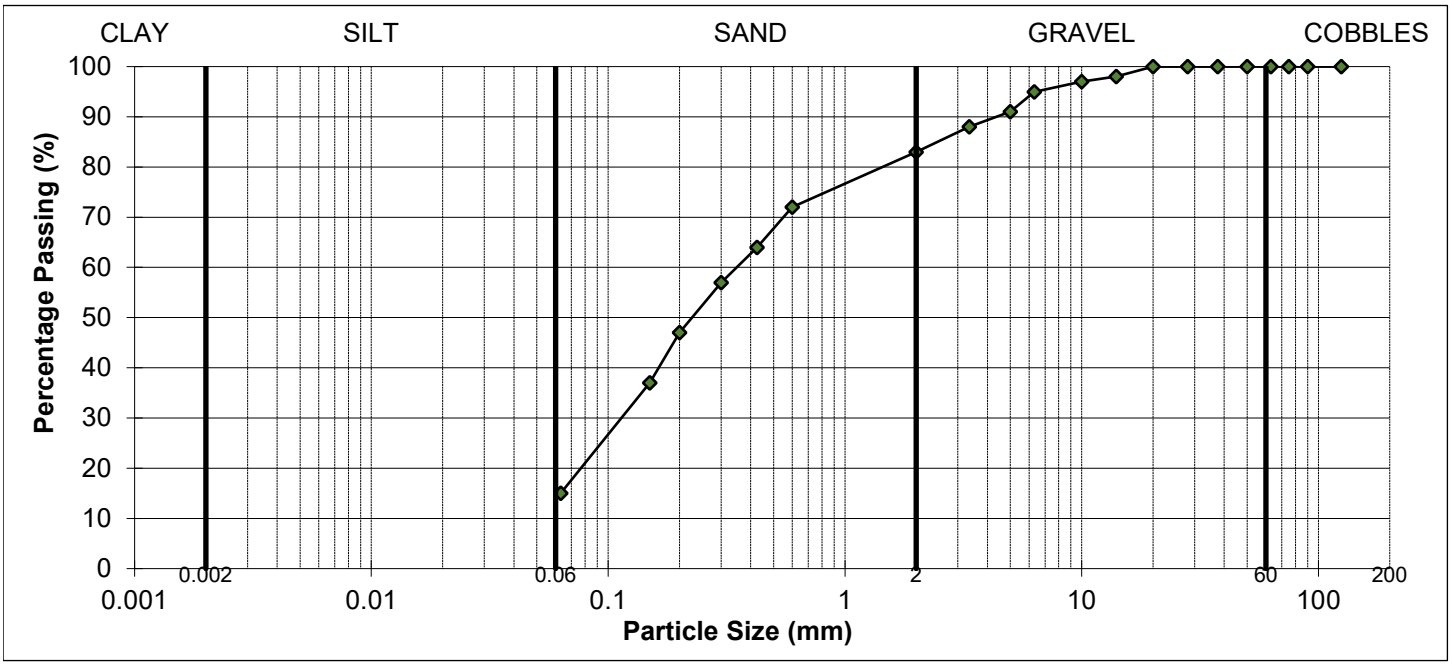
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	Cherryfield Drive, Kirkby
JOB NUMBER	MRN 26002/64

SAMPLE LABEL	TP Plot D08	DATE SAMPLED	27-Jan-26
LAB SAMPLE No	6016605	DATE RECEIVED	28-Jan-26
DATE TESTED	04/02/2026	SAMPLED BY	Client

MATERIAL	Reddish brown silty gravelly SAND		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	13.5

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	95	
90	100		5	91	
75	100		3.35	88	
63	100		2	83	80-100
50	100		0.6	72	
37.5	100		0.425	64	
28	100		0.3	57	
20	100		0.2	47	
14	98		0.15	37	
10	97		0.063	15	15-100



SOIL FRACTIONS			
COBBLES	0	SAND	68%
GRAVEL	17%	SILT / CLAY	15%

REMARKS

Sample complies with the advised grading specification for a 2A/2B material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 25-Feb-26
(Director / Head of Laboratory)

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 18-528 -
Cherryfield Drive

Job Number MR 26002/72
Date of Issue 02 March 2026

Approved Signatories

S J Hutchings, O P Davies

Notes

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M U R R A Y R I X

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

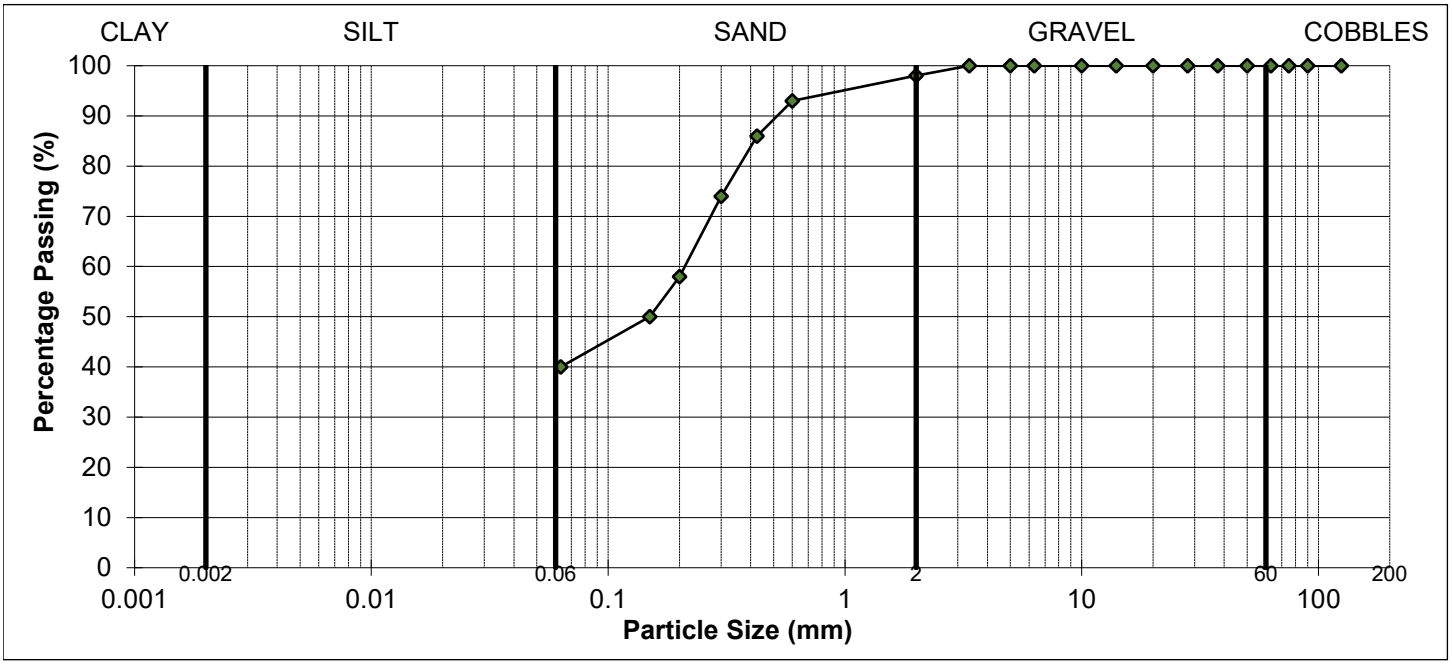
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 - Cherryfield Drive
JOB NUMBER	MRN 26002/72

SAMPLE LABEL	TP Plot B152 1.50	DATE SAMPLED	10-Feb-26
LAB SAMPLE No	6026801	DATE RECEIVED	11-Feb-26
DATE TESTED	13-Feb-26	SAMPLED BY	Client

MATERIAL	Brown very silty slightly gravelly SAND		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	16.3

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	100	
90	100		5	100	
75	100		3.35	100	
63	100		2	98	80-100
50	100		0.6	93	
37.5	100		0.425	86	
28	100		0.3	74	
20	100		0.2	58	
14	100		0.15	50	
10	100		0.063	40	15-100



SOIL FRACTIONS			
COBBLES	0	SAND	58%
GRAVEL	2%	SILT / CLAY	40%

REMARKS
Sample complies with the advised grading specification for a 2A/2B material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 02-Mar-26
(Director / Head of Laboratory)

M U R R A Y R I X

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

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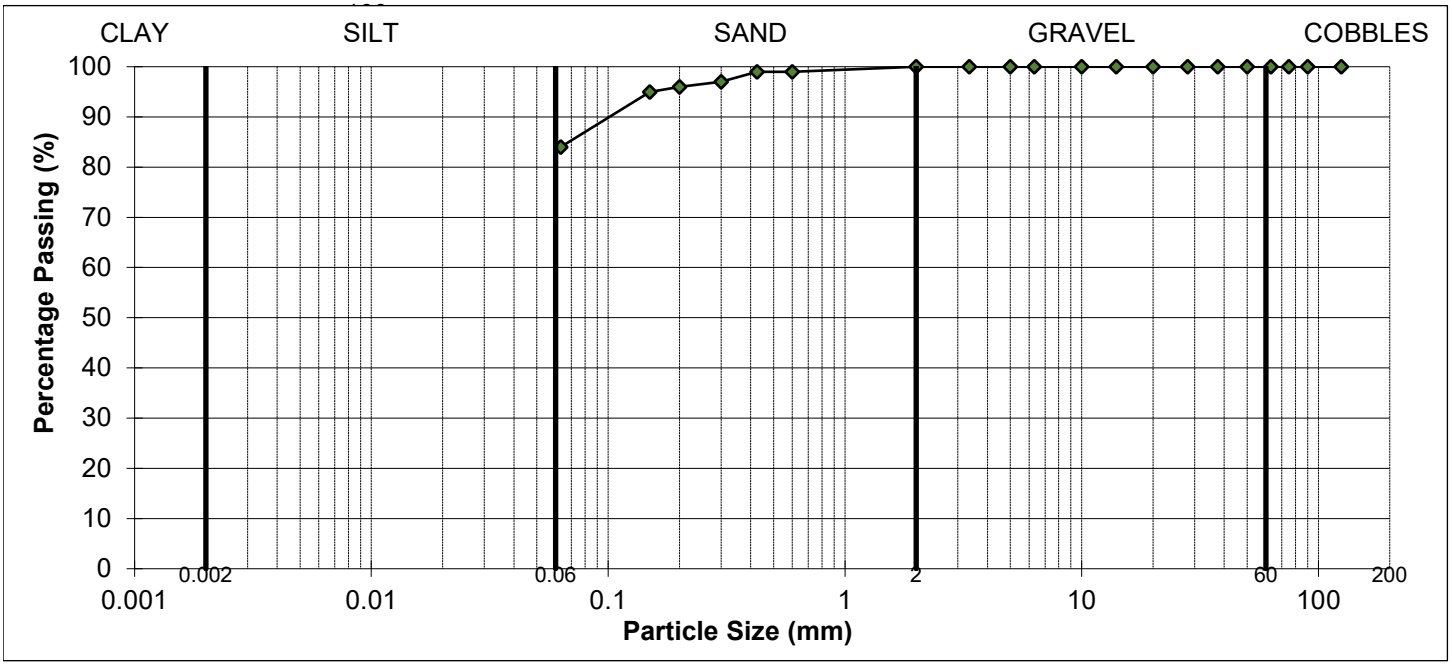
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 - Cherryfield Drive
JOB NUMBER	MRN 26002/72

SAMPLE LABEL	TP Plot B133 1.00	DATE SAMPLED	10-Feb-26
LAB SAMPLE No	6026802	DATE RECEIVED	11-Feb-26
DATE TESTED	13-Feb-26	SAMPLED BY	Client

MATERIAL	Brown silty slightly sandy CLAY		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	25.5

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	100	
90	100		5	100	
75	100		3.35	100	
63	100		2	100	80-100
50	100		0.6	99	
37.5	100		0.425	99	
28	100		0.3	97	
20	100		0.2	96	
14	100		0.15	95	
10	100		0.063	84	15-100



SOIL FRACTIONS			
COBBLES	0	SAND	16%
GRAVEL	0%	SILT / CLAY	84%

REMARKS
Sample complies with the advised grading specification for a 2A/2B material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 02-Mar-26
(Director / Head of Laboratory)

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DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

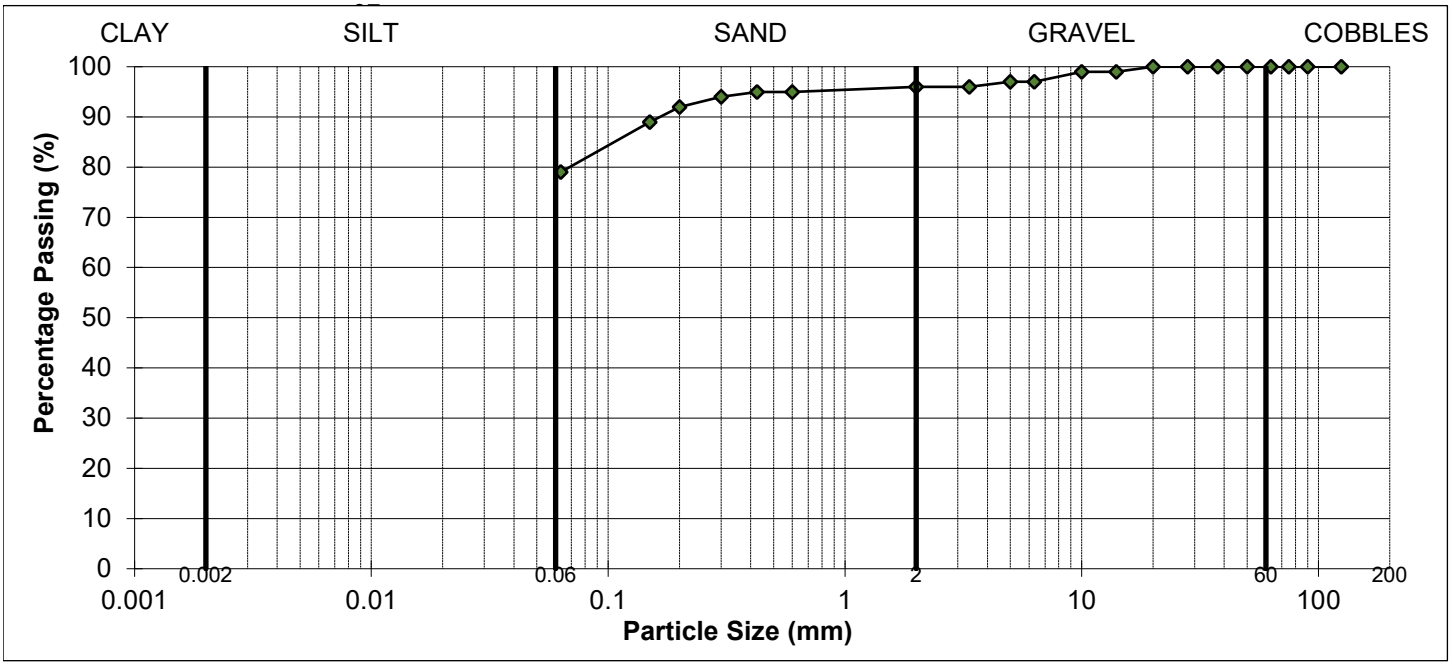
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 - Cherryfield Drive
JOB NUMBER	MRN 26002/72

SAMPLE LABEL	TP Plot B134 1.20	DATE SAMPLED	10-Feb-26
LAB SAMPLE No	6026803	DATE RECEIVED	11-Feb-26
DATE TESTED	13-Feb-26	SAMPLED BY	Client

MATERIAL	Brown silty slightly sandy slightly gravelly CLAY		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	21.5

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	97	
90	100		5	97	
75	100		3.35	96	
63	100		2	96	80-100
50	100		0.6	95	
37.5	100		0.425	95	
28	100		0.3	94	
20	100		0.2	92	
14	99		0.15	89	
10	99		0.063	79	15-100



SOIL FRACTIONS			
COBBLES	0	SAND	17%
GRAVEL	4%	SILT / CLAY	79%

REMARKS
Sample complies with the advised grading specification for a 2A/2B material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 02-Mar-26
(Director / Head of Laboratory)

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 18-528 -
Cherryfield Drive

Job Number MRN 26002/73
Date of Issue 02 March 2026

Approved Signatories

S J Hutchings, O P Davies

Notes

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DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

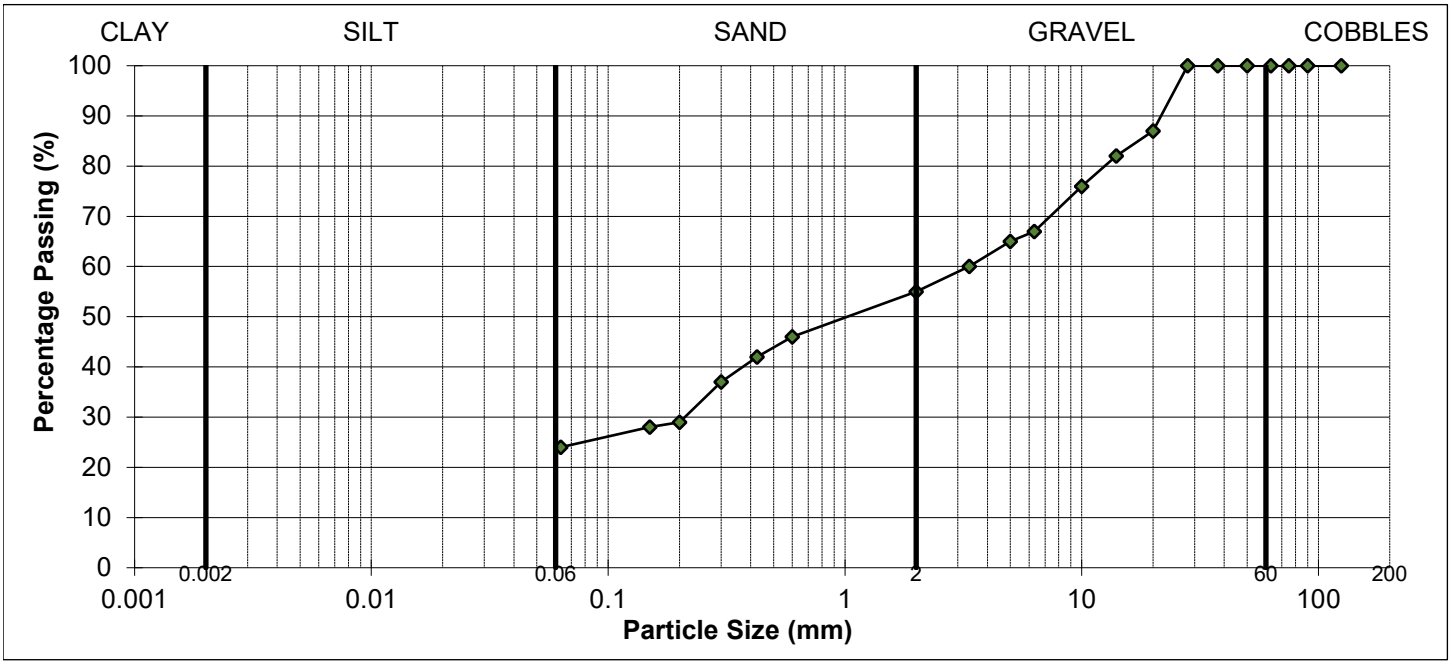
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/73

SAMPLE LABEL	TP305 2.00	DATE SAMPLED	05-Feb-26
LAB SAMPLE No	6026701	DATE RECEIVED	11-Feb-26
DATE TESTED	13-Feb-26	SAMPLED BY	Client

MATERIAL	Made Ground		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	32.6

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	67	
90	100		5	65	
75	100		3.35	60	
63	100		2	55	15-80
50	100		0.6	46	
37.5	100		0.425	42	
28	100		0.3	37	
20	87		0.2	29	
14	82		0.15	28	
10	76		0.063	24	15-80



SOIL FRACTIONS			
COBBLES	0	SAND	31%
GRAVEL	45%	SILT / CLAY	24%

REMARKS
Sample complies with the advised grading specification for a 2C material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 02-Mar-26
(Director / Head of Laboratory)

M U R R A Y R I X

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

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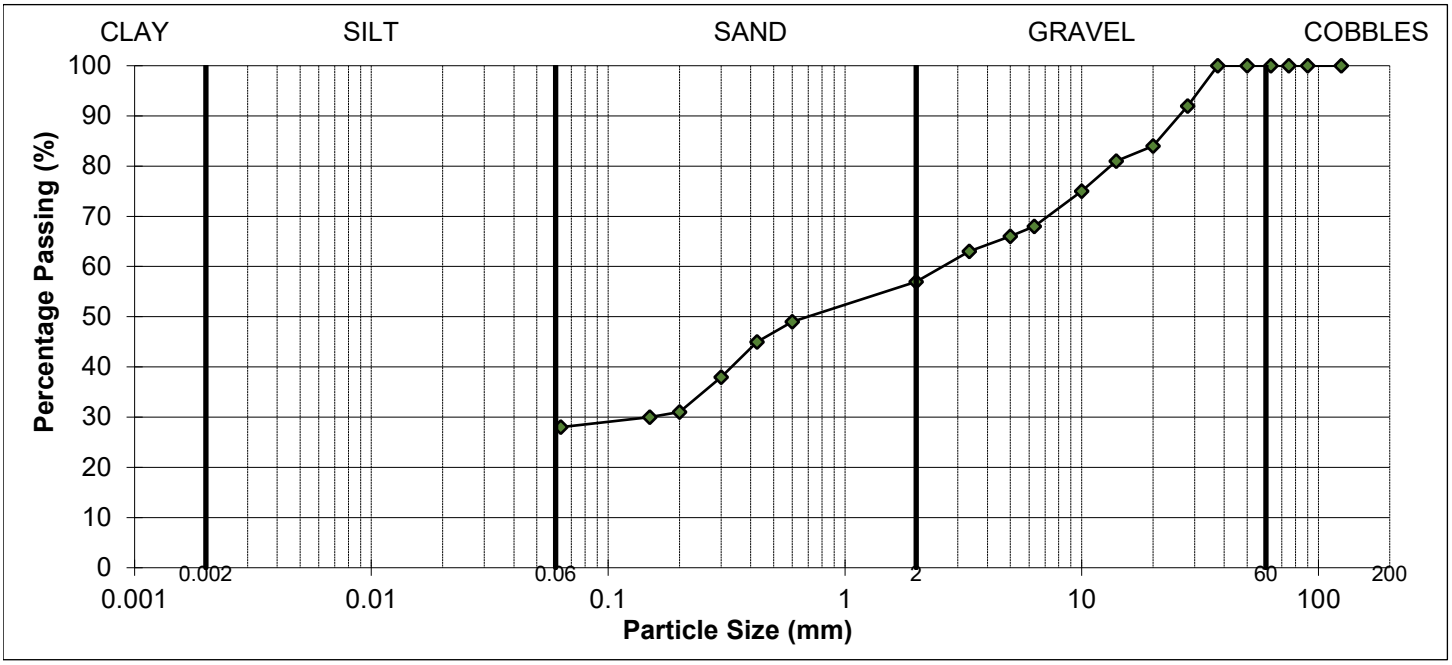
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/73

SAMPLE LABEL	TP320 1.20	DATE SAMPLED	05-Feb-26
LAB SAMPLE No	6026702	DATE RECEIVED	11-Feb-26
DATE TESTED	13-Feb-26	SAMPLED BY	Client

MATERIAL	Made Ground		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	33.2

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	68	
90	100		5	66	
75	100		3.35	63	
63	100		2	57	15-80
50	100		0.6	49	
37.5	100		0.425	45	
28	92		0.3	38	
20	84		0.2	31	
14	81		0.15	30	
10	75		0.063	28	15-80



SOIL FRACTIONS			
COBBLES	0	SAND	29%
GRAVEL	43%	SILT / CLAY	28%

REMARKS
Sample complies with the advised grading specification for a 2C material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 02-Mar-26
(Director / Head of Laboratory)

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

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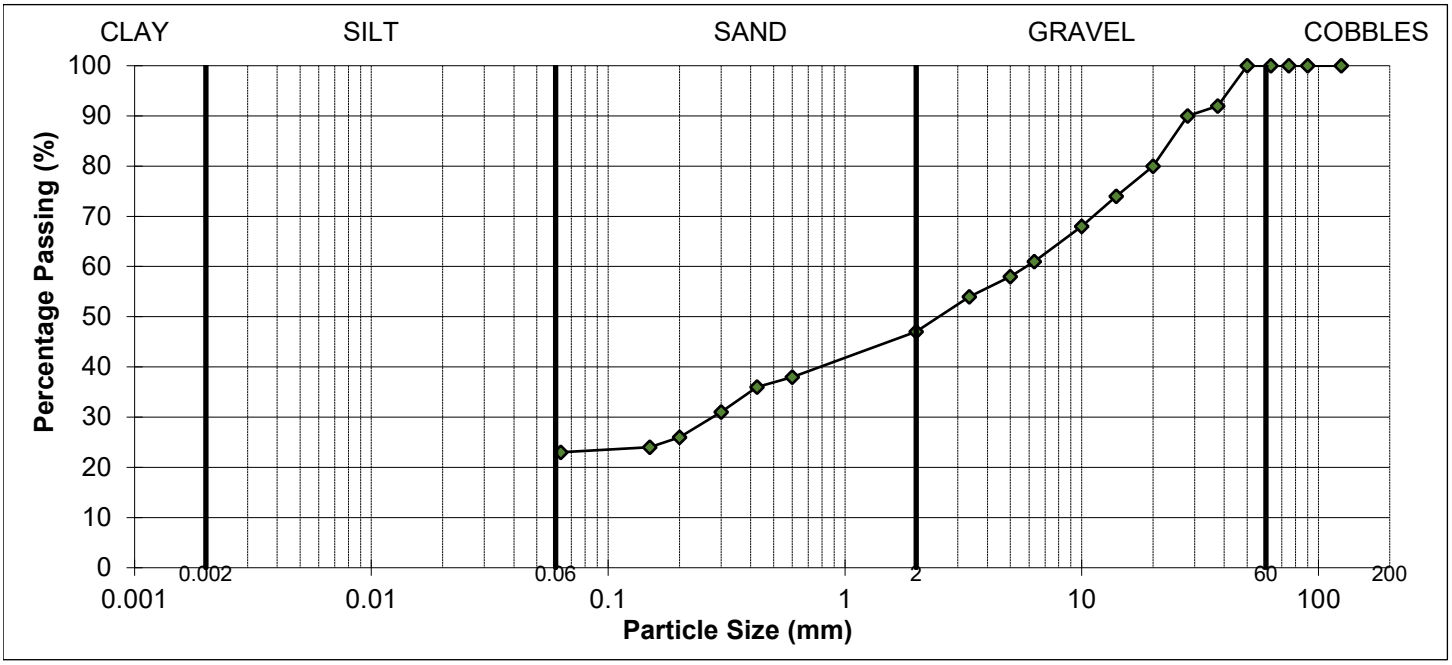
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528 Cherryfield Drive
JOB NUMBER	MRN 26002/73

SAMPLE LABEL	TP324 1.00	DATE SAMPLED	05-Feb-26
LAB SAMPLE No	6026703	DATE RECEIVED	11-Feb-26
DATE TESTED	13-Feb-26	SAMPLED BY	Client

MATERIAL	Made Ground		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	29.3

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	61	
90	100		5	58	
75	100		3.35	54	
63	100		2	47	15-80
50	100		0.6	38	
37.5	92		0.425	36	
28	90		0.3	31	
20	80		0.2	26	
14	74		0.15	24	
10	68		0.063	23	15-80



SOIL FRACTIONS			
COBBLES	0	SAND	24%
GRAVEL	53%	SILT / CLAY	23%

REMARKS
Sample complies with the advised grading specification for a 2C material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 02-Mar-26
(Director / Head of Laboratory)

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 18-528, Cherryfield Drive

Job Number MRN 26002/94
Date of Issue 11 March 2026

Approved Signatories

S J Hutchings, O P Davies

Notes

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UKAS TESTING 1580

TEST CERTIFICATE

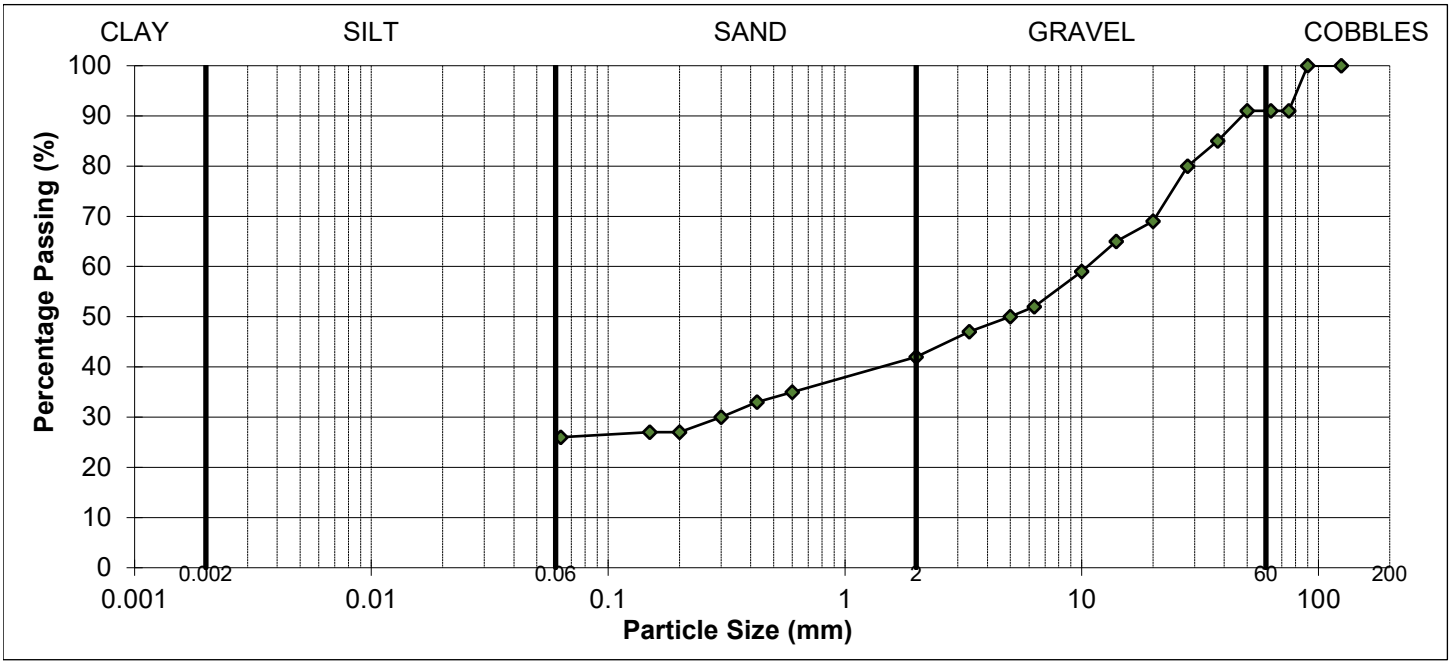
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528, Cherryfield Drive
JOB NUMBER	MRN 26002/94

SAMPLE LABEL	TP311 1.8m	DATE SAMPLED	18-Feb-26
LAB SAMPLE No	6035001	DATE RECEIVED	20-Feb-26
DATE TESTED	06-Mar-26	SAMPLED BY	Client

MATERIAL	MADE GROUND		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	54.2

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	52	
90	100		5	50	
75	91		3.35	47	
63	91		2	42	15-80
50	91		0.6	35	
37.5	85		0.425	33	
28	80		0.3	30	
20	69		0.2	27	
14	65		0.15	27	
10	59		0.063	26	15-80



SOIL FRACTIONS			
COBBLES	9%	SAND	16%
GRAVEL	49%	SILT / CLAY	26%

REMARKS
Sample complies with the advised grading specification for a 2C material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 11-Mar-26
(Director / Head of Laboratory)

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

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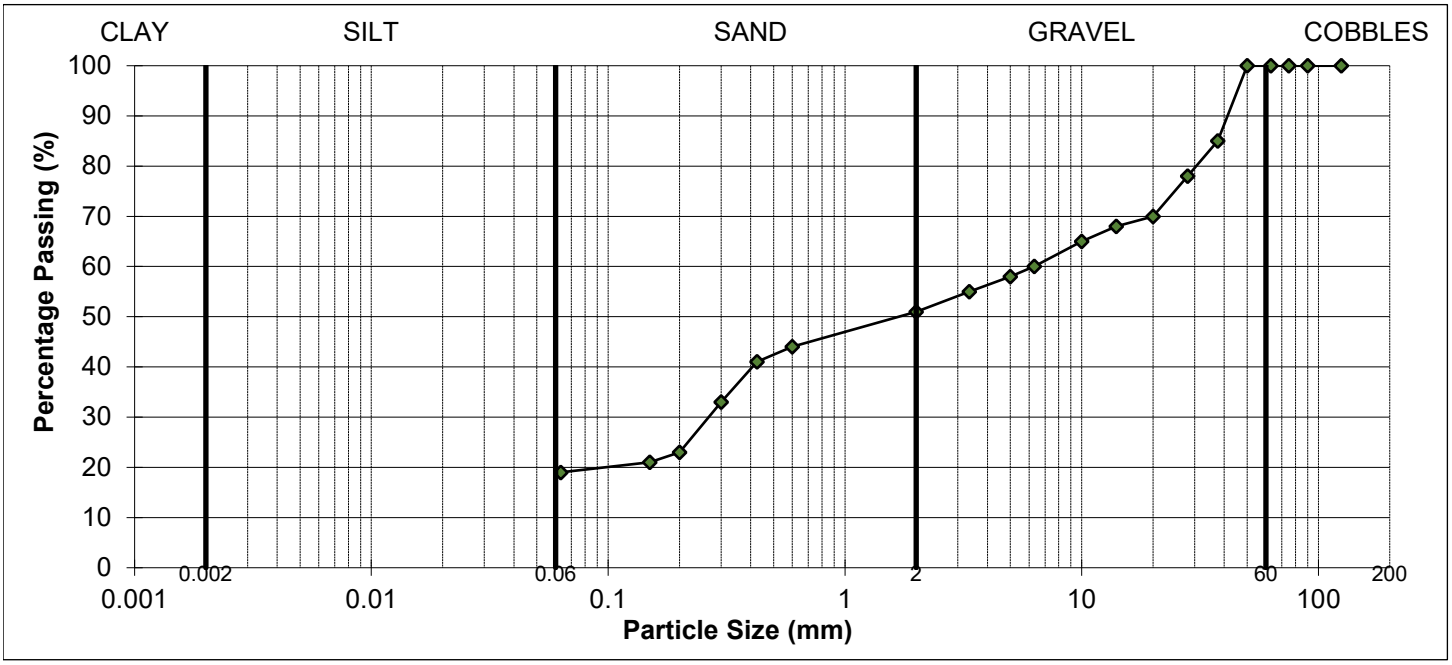
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528, Cherryfield Drive
JOB NUMBER	MRN 26002/94

SAMPLE LABEL	TP314 2.2m	DATE SAMPLED	18-Feb-26
LAB SAMPLE No	6035002	DATE RECEIVED	20-Feb-26
DATE TESTED	06-Mar-26	SAMPLED BY	Client

MATERIAL	MADE GROUND		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	35.8

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	60	
90	100		5	58	
75	100		3.35	55	
63	100		2	51	15-80
50	100		0.6	44	
37.5	85		0.425	41	
28	78		0.3	33	
20	70		0.2	23	
14	68		0.15	21	
10	65		0.063	19	15-80



SOIL FRACTIONS			
COBBLES	0	SAND	32%
GRAVEL	49%	SILT / CLAY	19%

REMARKS
Sample complies with the advised grading specification for a 2C material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 11-Mar-26
(Director / Head of Laboratory)

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UKAS TESTING 1580

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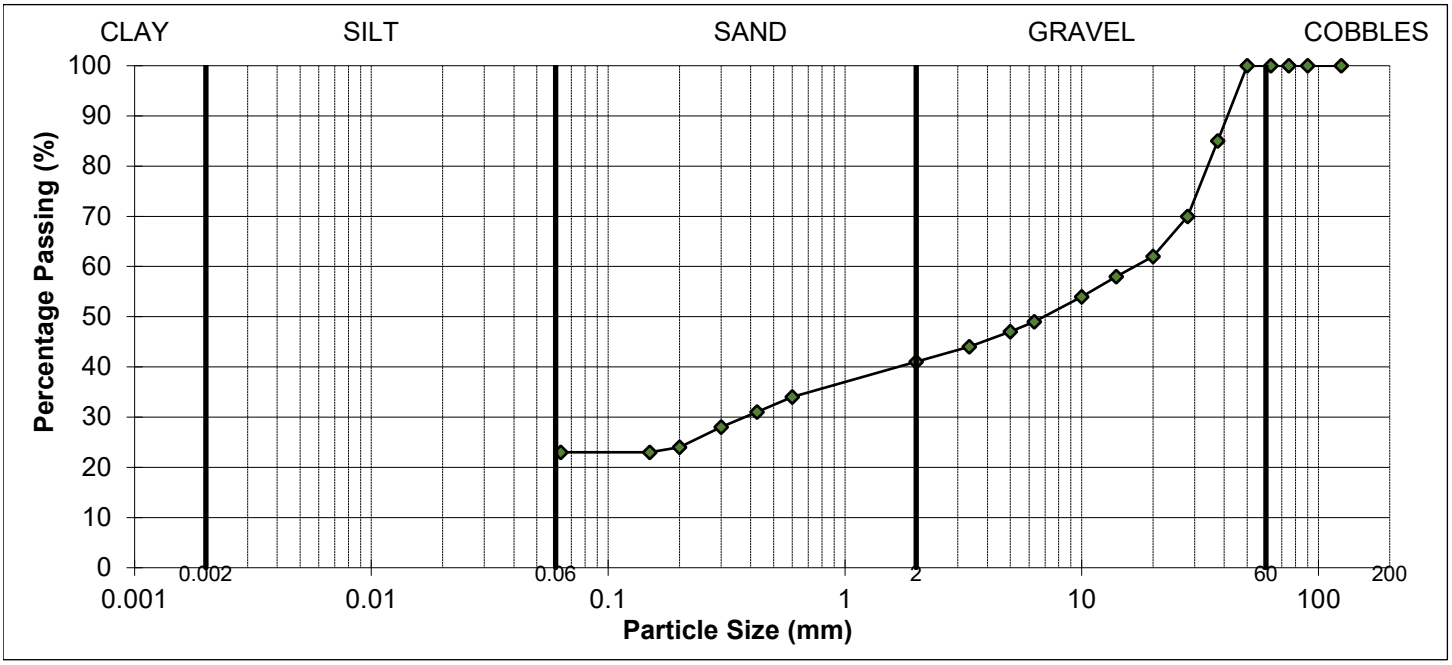
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528, Cherryfield Drive
JOB NUMBER	MRN 26002/94

SAMPLE LABEL	TP326 1.5m	DATE SAMPLED	18-Feb-26
LAB SAMPLE No	6035003	DATE RECEIVED	20-Feb-26
DATE TESTED	06-Mar-26	SAMPLED BY	Client

MATERIAL	MADE GROUND		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	36.2

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	6.3	49	
90	100		5	47	
75	100		3.35	44	
63	100		2	41	15-80
50	100		0.6	34	
37.5	85		0.425	31	
28	70		0.3	28	
20	62		0.2	24	
14	58		0.15	23	
10	54		0.063	23	15-80



SOIL FRACTIONS			
COBBLES	0	SAND	18%
GRAVEL	59%	SILT / CLAY	23%

REMARKS
Sample complies with the advised grading specification for a 2C material (SHW Series 600, Table 6/2, Feb. 2017)

SIGNED

NAME O.P. Davies BA (Hons) DATE 11-Mar-26
(Director / Head of Laboratory)

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 15-280 Cherryfield Drive

Job Number MRN 26002/108
Date of Issue 25 March 2026

Approved Signatories

S J Hutchings, O P Davies

Notes

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DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

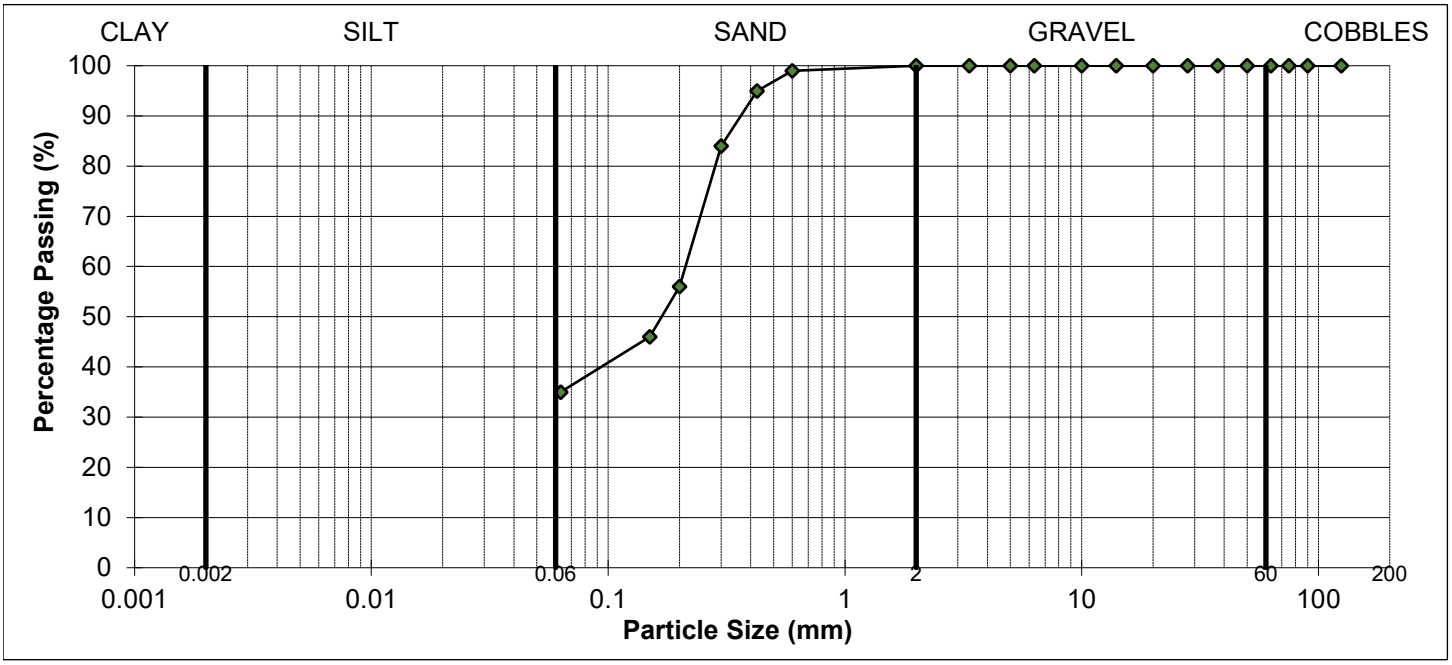
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	15-280 Cherryfield Drive
JOB NUMBER	MRN 26002/108

SAMPLE LABEL	TP Plot 294D Garage 2.00m	DATE SAMPLED	24-Feb-26
LAB SAMPLE No	6045301	DATE RECEIVED	05-Mar-26
DATE TESTED	12-Mar-26	SAMPLED BY	Client

MATERIAL	Brown very silty SAND		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	19.9

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100		6.3	100	
90	100		5	100	
75	100		3.35	100	
63	100		2	100	
50	100		0.6	99	
37.5	100		0.425	95	
28	100		0.3	84	
20	100		0.2	56	
14	100		0.15	46	
10	100		0.063	35	



SOIL FRACTIONS			
COBBLES	0	SAND	65%
GRAVEL		SILT / CLAY	35%

REMARKS

SIGNED

NAME O.P. Davies BA (Hons) (Director / Head of Laboratory) DATE 25-Mar-26

TEST REPORT

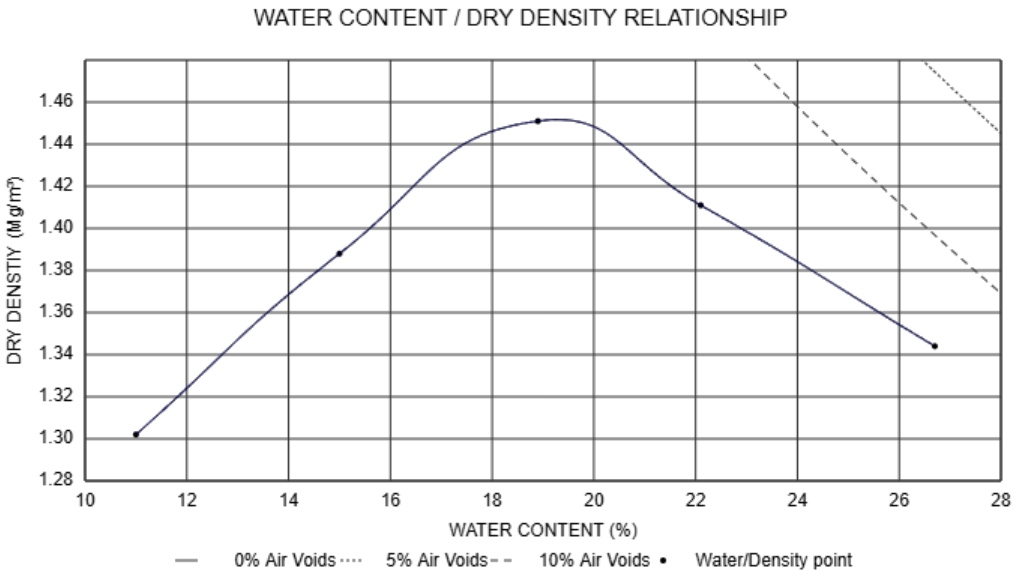
DETERMINATION OF DRY DENSITY/MOISTURE CONTENT RELATIONSHIP

BS 1377-2: 2022 clause 11 (Vibrating Hammer Method)

REPORT NUMBER:	C5017684 / 393830.5.1.1		
SAMPLE NUMBER:	621284	CLIENT:	Westshield Limited
CLIENT REF:	Gate 3 Bewley Drive	ADDRESS:	Ashcroft House, Bredbury Park Way, Bredbury Park Industrial Estate, Stockport, Cheshire, SK6 2SN
DATE SAMPLED:	04/02/2026	SITE:	Former Kirkby College Campus, Kirkby
SAMPLED BY:	Philip Jones	SUPPLIER:	Site Won, SIte Won
DATE RECEIVED:	17/02/2026	MATERIAL:	Ash based granular soil. A few large particles and Clay. Class 1?
DATE TESTED:	20/02/2026	LOCATION:	Plots pads See today's CBR location.
TESTED BY:	Mark Higginson	COMPACTION SAMPLE:	Separate samples
TYPE OF SAMPLE:	Disturbed	METHOD OF PREPARATION:	Susceptible (11.2.4.4)
METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles	SAMPLING PLAN:	Client Specification
ENVIRONMENTAL CONDITIONS:	Wet	GRADING ZONE:	4
LOCATION AND ORIENTATION:	All around stockpile heaps		

RESULT **Test Location: Warrington Lab**

MAXIMUM DRY DENSITY:	1.45 Mg/m^3
OPTIMUM WATER CONTENT:	19 %
AMOUNT (By Dry Mass) RETAINED ON >20mm TEST SIEVE:	21 %
AMOUNT (By Dry Mass) RETAINED ON >37.5mm TEST SIEVE:	1 %
ASSUMED PARTICLE DENSITY USED TO PLOT AIR VOIDS:	2.65 Mg/m^3



Remarks:
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For and on behalf of CTS
Luke Williams - Operations Supervisor

Approved Signatory
Report date 25-Feb-26

4161

Report Format: OMCvib/TP134/Rep Issue 2 Rev 0

Ruby House
40a Hardwick Grange
Woolston
Warrington
WA1 4RF

0343 227 8545
enquiries@constructiontesting.co.uk
www.constructiontesting.co.uk

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TEST REPORT

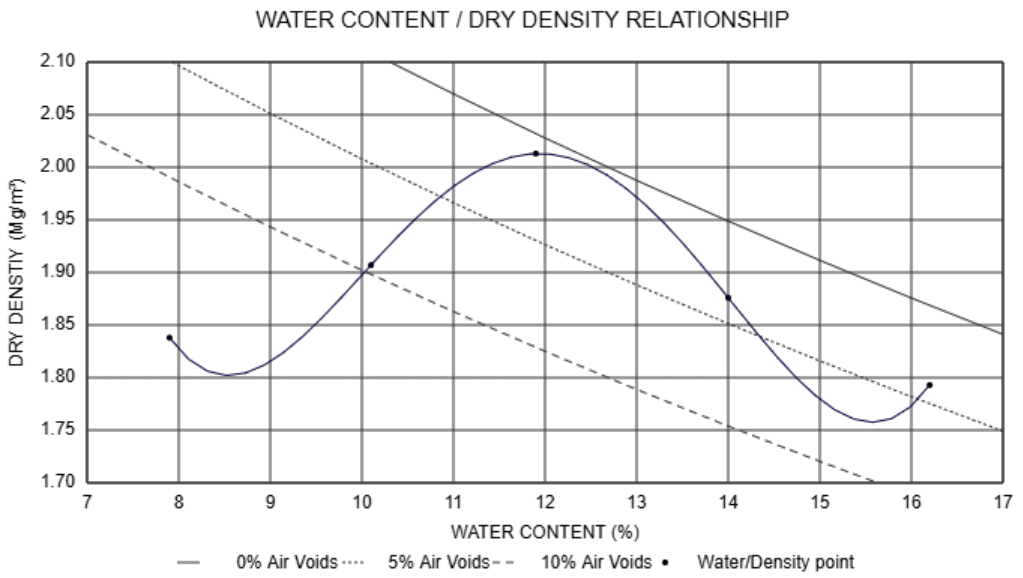
DETERMINATION OF DRY DENSITY/MOISTURE CONTENT RELATIONSHIP

BS 1377-2: 2022 clause 11 (4.5kg Rammer Method)

REPORT NUMBER:	C5017684 / 399287.6.1.1		
SAMPLE NUMBER:	629311	CLIENT:	Westshield Limited
CLIENT REF:	18.03.26. 1	ADDRESS:	Ashcroft House, Bredbury Park Way, SK6 2SN
DATE SAMPLED:	18/03/2026	SITE:	Former Kirkby College Campus, Kirkby
SAMPLED BY:	Peter Stewart	SUPPLIER:	SITE WON, SITE WON
DATE RECEIVED:	19/03/2026	MATERIAL:	Orangish brown sandy gravelly CLAY
DATE COMPLETED:	05/05/2026	LOCATION:	Barrett homes first phase
TESTED BY:	NN, CL	PREPARATION METHOD:	Susceptible - 1lt (11.2.3.4)
TYPE OF SAMPLE:	Disturbed	COMPACTION SAMPLE:	Separate samples
VARIATIONS:	None	SAMPLING PLAN:	Client Specification
ENVIRONMENTAL CONDITIONS:	Sunny	METHOD OF SAMPLING:	Method 2: Sampling from site excavation locations.
LOCATION AND ORIENTATION:	N/A	GRADING ZONE:	2

RESULT **Test Location: CTS East Kilbride**

MAXIMUM DRY DENSITY:	2.01 Mg/m^3
OPTIMUM WATER CONTENT:	12 %
AMOUNT (By Dry Mass) RETAINED ON >20mm TEST SIEVE:	4 %
AMOUNT (By Dry Mass) RETAINED ON >37.5mm TEST SIEVE:	0 %
ASSUMED PARTICLE DENSITY USED TO PLOT AIR VOIDS:	2.68 Mg/m^3



Point	Actual WC (%)	Dry density (Mg/m^3)	HSV (Kpa)
1	7.9	1.84	N/A
2	10.1	1.91	N/A
3	11.9	2.01	N/A
4	14	1.88	N/A
5	16.2	1.79	N/A

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For and on behalf of CTS
Kevin Neilson - Operations Manager

Approved Signatory
Report date 06-May-26

UKAS TESTING
4161

Report Format: OMC4.5/TP132/Rep Issue 2 Rev 0

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College Milton
East Kilbride G74 5EX

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enquiries@constructiontesting.co.uk
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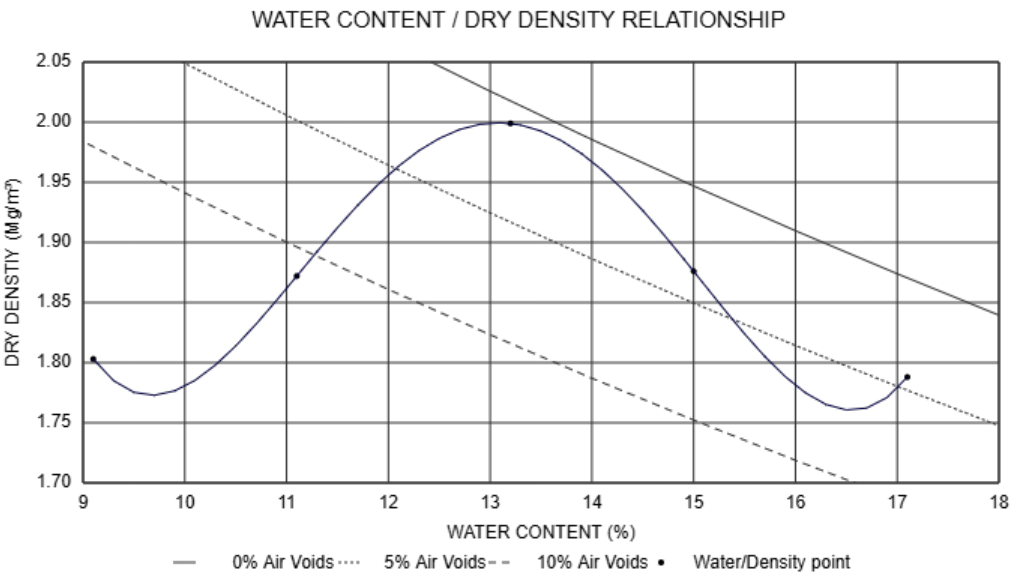
DETERMINATION OF DRY DENSITY/MOISTURE CONTENT RELATIONSHIP

BS 1377-2: 2022 clause 11 (4.5kg Rammer Method)

REPORT NUMBER:	C5017684 / 399287.6.1.2		
SAMPLE NUMBER:	629316	CLIENT:	Westshield Limited
CLIENT REF:	18.03.26 2	ADDRESS:	Ashcroft House, Bredbury Park Way, SK6 2SN
DATE SAMPLED:	19/03/2026	SITE:	Former Kirkby College Campus, Kirkby
SAMPLED BY:	Peter Stewart	SUPPLIER:	SITE WON, SITE WON
DATE RECEIVED:	19/03/2026	MATERIAL:	Dark brown slightly gravelly sandy CLAY
DATE COMPLETED:	05/05/2026	LOCATION:	Barrett homes first phase
TESTED BY:	Nikolay Nikolov	PREPARATION METHOD:	Non susceptible - CBR (11.2.4.3)
TYPE OF SAMPLE:	Disturbed	COMPACTION SAMPLE:	Single sample
VARIATIONS:	None	SAMPLING PLAN:	Client Specification
ENVIRONMENTAL CONDITIONS:	Sunny	METHOD OF SAMPLING:	Method 2: Sampling from site excavation locations.
LOCATION AND ORIENTATION:	N/A	GRADING ZONE:	4

RESULT **Test Location: CTS East Kilbride**

MAXIMUM DRY DENSITY:	2.00 Mg/m^3
OPTIMUM WATER CONTENT:	13 %
AMOUNT (By Dry Mass) RETAINED ON >20mm TEST SIEVE:	20 %
AMOUNT (By Dry Mass) RETAINED ON >37.5mm TEST SIEVE:	5 %
ASSUMED PARTICLE DENSITY USED TO PLOT AIR VOIDS:	2.75 Mg/m^3



Point	Actual WC (%)	Dry density (Mg/m^3)	HSV (Kpa)
1	15	1.88	N/A
2	17.1	1.79	N/A
3	13.2	2.00	N/A
4	11.1	1.87	N/A
5	9.1	1.80	N/A

Remarks:
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For and on behalf of CTS
Kevin Neilson - Operations Manager

Approved Signatory
Report date 06-May-26

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Report Format: OMC4.5/TP132/Rep Issue 2 Rev 0

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East Kilbride G74 5EX

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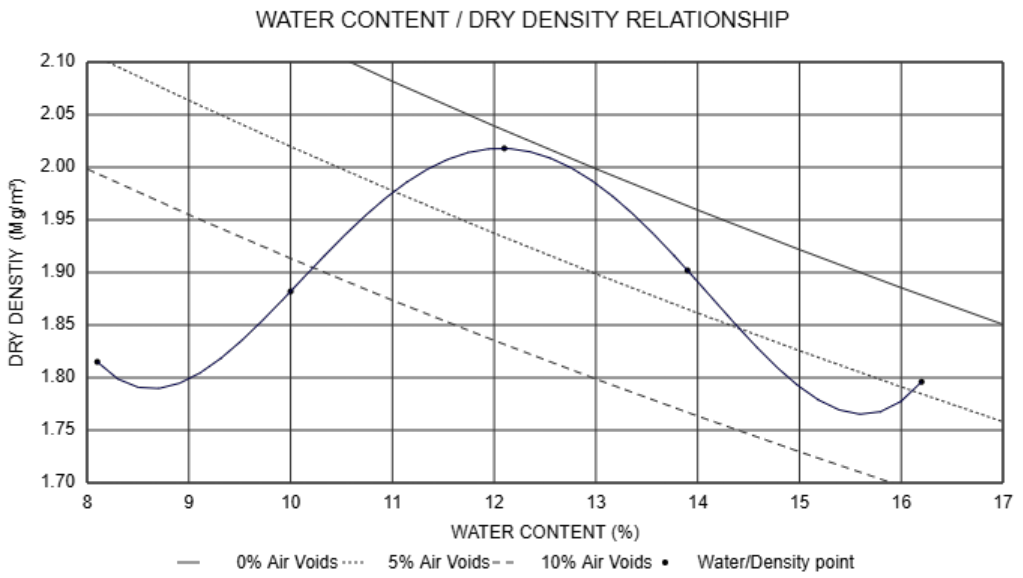
DETERMINATION OF DRY DENSITY/MOISTURE CONTENT RELATIONSHIP

BS 1377-2: 2022 clause 11 (4.5kg Rammer Method)

REPORT NUMBER:	C5017684 / 399287.6.1.3		
SAMPLE NUMBER:	629317	CLIENT:	Westshield Limited
CLIENT REF:	18.03.26 3	ADDRESS:	Ashcroft House, Bredbury Park Way, SK6 2SN
DATE SAMPLED:	18/03/2026	SITE:	Former Kirkby College Campus, Kirkby
SAMPLED BY:	Peter Stewart	SUPPLIER:	SITE WON, SITE WON
DATE RECEIVED:	19/03/2026	MATERIAL:	Dark brown slightly gravelly sandy CLAY
DATE COMPLETED:	05/05/2026	LOCATION:	Barrett homes first phase
TESTED BY:	Nikolay Nikolov	PREPARATION METHOD:	Non susceptible - CBR (11.2.4.3)
TYPE OF SAMPLE:	Disturbed	COMPACTION SAMPLE:	Separate samples
VARIATIONS:	None	SAMPLING PLAN:	Client Specification
ENVIRONMENTAL CONDITIONS:	Sunny	METHOD OF SAMPLING:	Method 2: Sampling from site excavation locations.
LOCATION AND ORIENTATION:	N/A	GRADING ZONE:	4

RESULT **Test Location: CTS East Kilbride**

MAXIMUM DRY DENSITY:	2.02 Mg/m^3
OPTIMUM WATER CONTENT:	12 %
AMOUNT (By Dry Mass) RETAINED ON >20mm TEST SIEVE:	10 %
AMOUNT (By Dry Mass) RETAINED ON >37.5mm TEST SIEVE:	3 %
ASSUMED PARTICLE DENSITY USED TO PLOT AIR VOIDS:	2.70 Mg/m^3



Point	Actual WC (%)	Dry density (Mg/m^3)	HSV (Kpa)
1	8.1	1.82	N/A
2	10	1.88	N/A
3	12.1	2.02	N/A
4	13.9	1.90	N/A
5	16.2	1.80	N/A

Remarks:
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For and on behalf of CTS
Kevin Neilson - Operations Manager

Approved Signatory
Report date 06-May-26

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East Kilbride G74 5EX

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enquiries@constructiontesting.co.uk
www.constructiontesting.co.uk

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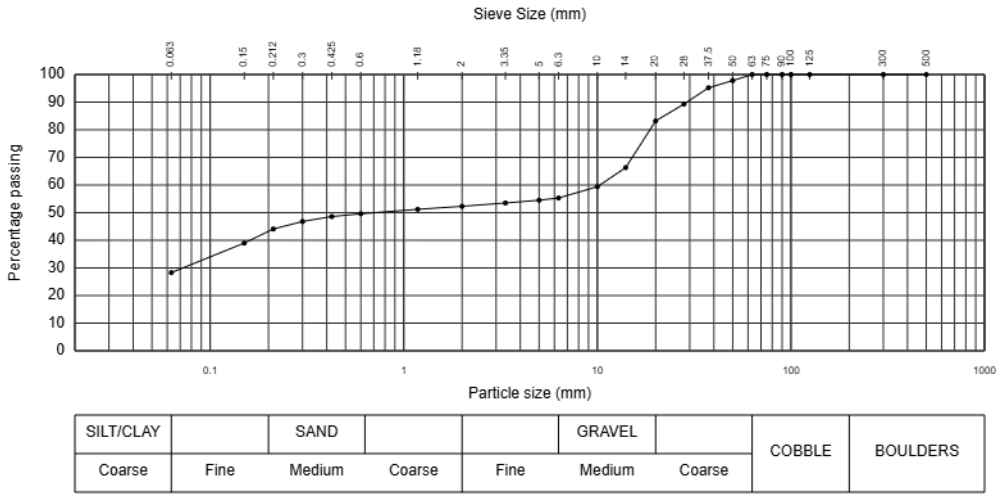
Construction Testing Solutions Ltd.
Registered in England No. 05998333

TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER:	C5017684 / 399287.7.1.1		
SAMPLE NUMBER:	629311	CLIENT:	Westshield Limited
CLIENT REF:	18.03.26. 1	ADDRESS:	Ashcroft House, Bredbury Park Way, SK6 2SN
DATE SAMPLED:	18/03/2026	SITE:	Former Kirkby College Campus, Kirkby
SAMPLED BY:	Peter Stewart	SOURCE / SUPPLIER:	SITE WON, SITE WON
DATE RECEIVED:	19/03/2026	MATERIAL DESCRIPTION:	Orangish brown sandy gravelly CLAY
DATE COMPLETED:	01/05/2026	PROPOSED CLASSIFICATION:	
TESTED BY:	AG, CL	LOCATION:	Barrett homes first phase
TYPE OF SAMPLE:	Disturbed	PREPARATION METHOD:	BS 1377:Part 1:2016 clause 8.3 & 8.4.5
VARIATIONS:	No variations	SAMPLING PLAN:	Client Specification
METHOD OF SAMPLING:	Method 2: Sampling from site excavation locations.	LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A
ENVIRONMENTAL CONDITIONS:	Sunny	INITIAL MASS OF DRY SAMPLE	25011g

RESULT **Test Location: CTS East Kilbride**



Percentage BOULDERS: 0%
Percentage COBBLES: 0%
Percentage GRAVEL: 48%
Percentage SAND: 24%
Percentage SILT/CLAY: 28%

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	100	
63	100	
50	98	
37.5	95	
28	89	
20	83	
14	66	
10	59	
6.3	55	
5	55	
3.35	54	
2	52	
1.18	51	
0.6	50	
0.425	49	
0.3	47	
0.212	44	
0.15	39	
0.063	28	

Alternative, potentially applicable specifications
Class 2C
Class 7A
Class 7F
Class 9B

Remarks:
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For and on behalf of CTS
Kevin Neilson - Operations Manager

Approved Signatory
Report date 01-May-26

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Report Format: PSDsoil/TP131/Rep Issue 2 Rev 0

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enquiries@constructiontesting.co.uk
www.constructiontesting.co.uk

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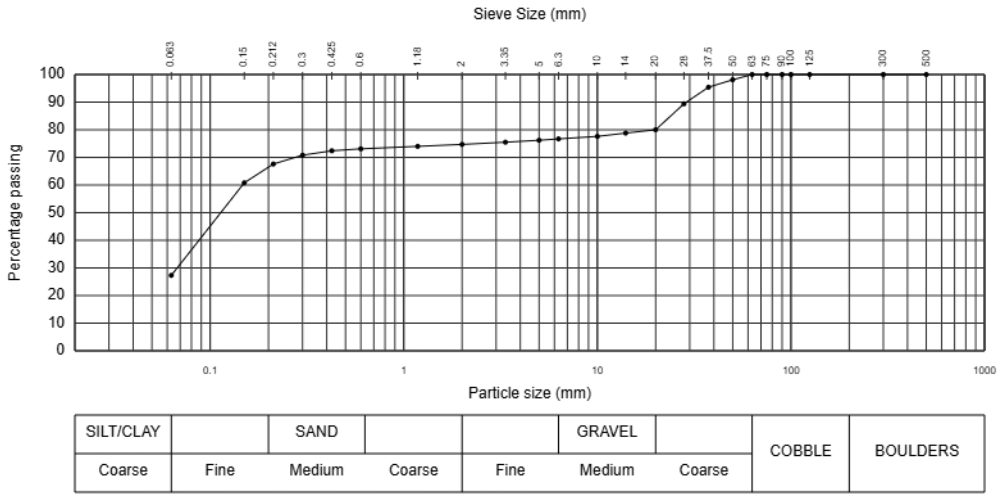
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TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER:	C5017684 / 399287.7.1.2		
SAMPLE NUMBER:	629316	CLIENT:	Westshield Limited
CLIENT REF:	18.03.26 2	ADDRESS:	Ashcroft House, Bredbury Park Way, SK6 2SN
DATE SAMPLED:	19/03/2026	SITE:	Former Kirkby College Campus, Kirkby
SAMPLED BY:	Peter Stewart	SOURCE / SUPPLIER:	SITE WON, SITE WON
DATE RECEIVED:	19/03/2026	MATERIAL DESCRIPTION:	Dark brown slightly gravelly sandy CLAY
DATE COMPLETED:	06/05/2026	PROPOSED CLASSIFICATION:	
TESTED BY:	AG, CR	LOCATION:	Barrett homes first phase
TYPE OF SAMPLE:	Disturbed	PREPARATION METHOD:	BS 1377:Part 1:2016 clause 8.3 & 8.4.5
VARIATIONS:	No variations	SAMPLING PLAN:	Client Specification
METHOD OF SAMPLING:	Method 2: Sampling from site excavation locations.	LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A
ENVIRONMENTAL CONDITIONS:	Sunny	INITIAL MASS OF DRY SAMPLE	29294.4g

RESULT **Test Location: CTS East Kilbride**



Percentage BOULDERS: 0%
Percentage COBBLES: 0%
Percentage GRAVEL: 25%
Percentage SAND: 48%
Percentage SILT/CLAY: 27%

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	100	
63	100	
50	98	
37.5	95	
28	89	
20	80	
14	79	
10	78	
6.3	77	
5	76	
3.35	76	
2	75	
1.18	74	
0.6	73	
0.425	72	
0.3	71	
0.212	68	
0.15	61	
0.063	27	

Alternative, potentially applicable specifications
Class 2C
Class 7A
Class 7F
Class 9B

Remarks:
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For and on behalf of CTS
Kevin Neilson - Operations Manager

Approved Signatory
Report date 06-May-26

4161

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College Milton
East Kilbride G74 5EX

0343 227 8545
enquiries@constructiontesting.co.uk
www.constructiontesting.co.uk

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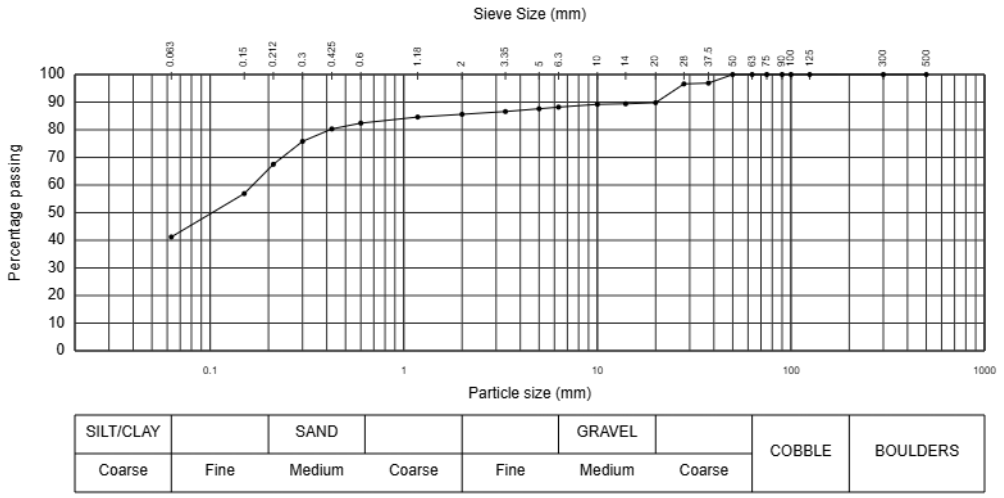
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TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER:	C5017684 / 399287.7.1.3		
SAMPLE NUMBER:	629317	CLIENT:	Westshield Limited
CLIENT REF:	18.03.26 3	ADDRESS:	Ashcroft House, Bredbury Park Way, SK6 2SN
DATE SAMPLED:	18/03/2026	SITE:	Former Kirkby College Campus, Kirkby
SAMPLED BY:	Peter Stewart	SOURCE / SUPPLIER:	SITE WON, SITE WON
DATE RECEIVED:	19/03/2026	MATERIAL DESCRIPTION:	Dark brown slightly gravelly sandy CLAY
DATE COMPLETED:	06/05/2026	PROPOSED CLASSIFICATION:	
TESTED BY:	Andy Gracey	LOCATION:	Barrett homes first phase
TYPE OF SAMPLE:	Disturbed	PREPARATION METHOD:	BS 1377:Part 1:2016 clause 8.3 & 8.4.5
VARIATIONS:	No variations	SAMPLING PLAN:	Client Specification
METHOD OF SAMPLING:	Method 2: Sampling from site excavation locations.	LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A
ENVIRONMENTAL CONDITIONS:	Sunny	INITIAL MASS OF DRY SAMPLE	15655.4g

RESULT **Test Location: CTS East Kilbride**



Percentage BOULDERS: 0%
Percentage COBBLES: 0%
Percentage GRAVEL: 14%
Percentage SAND: 45%
Percentage SILT/CLAY: 41%

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	100	
63	100	
50	100	
37.5	97	
28	97	
20	90	
14	89	
10	89	
6.3	88	
5	88	
3.35	87	
2	86	
1.18	85	
0.6	82	
0.425	80	
0.3	76	
0.212	68	
0.15	57	
0.063	41	

Alternative, potentially applicable specifications
2A/2B
Class 2A
Class 2A/2B
Class 2B

Remarks:
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East Kilbride G74 5EX

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TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5017684 / 399287.7.1.3

Class 7A
Class 7E
Class 7F
Class 7I
Class 9B
Class 9D
Class 9E

Remarks:
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For and on behalf of CTS
Kevin Neilson - Operations Manager

Approved Signatory
Report date 06-May-26

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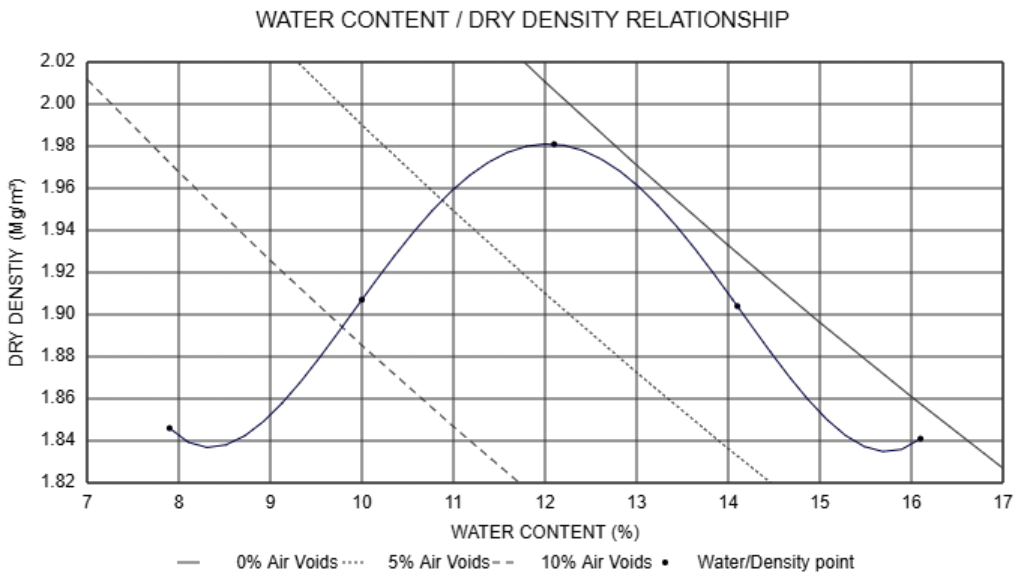
DETERMINATION OF DRY DENSITY/MOISTURE CONTENT RELATIONSHIP

BS 1377-2: 2022 clause 11 (4.5kg Rammer Method)

REPORT NUMBER:	C5017684 / 399412.3.1.1		
SAMPLE NUMBER:	629329	CLIENT:	Westshield Limited
CLIENT REF:	18.03.26. 4	ADDRESS:	Ashcroft House, Bredbury Park Way, SK6 2SN
DATE SAMPLED:	18/03/2026	SITE:	Former Kirkby College Campus, Kirkby
SAMPLED BY:	Peter Stewart	SUPPLIER:	SITE WON, SITE WON
DATE RECEIVED:	19/03/2026	MATERIAL:	Orangish brown sandy CLAY
DATE COMPLETED:	13/05/2026	LOCATION:	Barrett homes first phase
TESTED BY:	Nikolay Nikolov	PREPARATION METHOD:	Non susceptible - 1lt (11.2.3.3)
TYPE OF SAMPLE:	Disturbed	COMPACTION SAMPLE:	Single sample
VARIATIONS:	None	SAMPLING PLAN:	Client Specification
ENVIRONMENTAL CONDITIONS:	Sunny	METHOD OF SAMPLING:	Method 3: Sampling from site fill locations.
LOCATION AND ORIENTATION:	N/A	GRADING ZONE:	2

RESULT **Test Location: CTS East Kilbride**

MAXIMUM DRY DENSITY:	1.98 Mg/m^3
OPTIMUM WATER CONTENT:	12 %
AMOUNT (By Dry Mass) RETAINED ON >20mm TEST SIEVE:	5 %
AMOUNT (By Dry Mass) RETAINED ON >37.5mm TEST SIEVE:	0 %
ASSUMED PARTICLE DENSITY USED TO PLOT AIR VOIDS:	2.65 Mg/m^3



Point	Actual WC (%)	Dry density (Mg/m^3)	HSV (Kpa)
1	7.9	1.85	N/A
2	10	1.91	N/A
3	12.1	1.98	N/A
4	14.1	1.90	N/A
5	16.1	1.84	N/A

Remarks:
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For and on behalf of CTS
Kevin Neilson - Operations Manager

Approved Signatory
Report date 13-May-26

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Report Format: OMC4.5/TP132/Rep Issue 2 Rev 0

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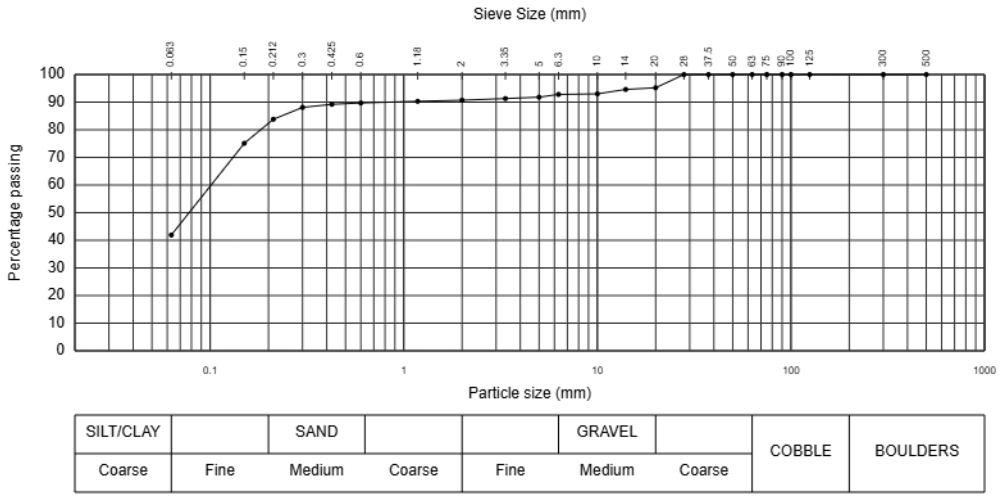
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TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER:	C5017684 / 399412.4.1.1		
SAMPLE NUMBER:	629329	CLIENT:	Westshield Limited
CLIENT REF:	18.03.26. 4	ADDRESS:	Ashcroft House, Bredbury Park Way, SK6 2SN
DATE SAMPLED:	18/03/2026	SITE:	Former Kirkby College Campus, Kirkby
SAMPLED BY:	Peter Stewart	SOURCE / SUPPLIER:	SITE WON, SITE WON
DATE RECEIVED:	19/03/2026	MATERIAL DESCRIPTION:	Orangish brown sandy CLAY
DATE COMPLETED:	13/05/2026	PROPOSED CLASSIFICATION:	
TESTED BY:	AG, CL	LOCATION:	Barrett homes first phase
TYPE OF SAMPLE:	Disturbed	PREPARATION METHOD:	BS 1377:Part 1:2016 clause 8.3 & 8.4.5
VARIATIONS:	No variations	SAMPLING PLAN:	Client Specification
METHOD OF SAMPLING:	Method 3: Sampling from site fill locations.	LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A
ENVIRONMENTAL CONDITIONS:	Sunny	INITIAL MASS OF DRY SAMPLE	5455.8g

RESULT **Test Location: CTS East Kilbride**



Percentage BOULDERS: 0%
Percentage COBBLES: 0%
Percentage GRAVEL: 9%
Percentage SAND: 49%
Percentage SILT/CLAY: 42%

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	100	
63	100	
50	100	
37.5	100	
28	100	
20	95	
14	95	
10	93	
6.3	93	
5	92	
3.35	91	
2	91	
1.18	90	
0.6	90	
0.425	89	
0.3	88	
0.212	84	
0.15	75	
0.063	42	

Alternative, potentially applicable specifications
2A/2B
Class 2A
Class 2A/2B
Class 2B

Remarks:
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Report Format: PSDsoil/TP131/Rep Issue 2 Rev 0

TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5017684 / 399412.4.1.1

Class 7A
Class 7E
Class 7F
Class 7I
Class 9B
Class 9D
Class 9E

Remarks:
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For and on behalf of CTS
Kevin Neilson - Operations Manager

Approved Signatory
Report date 13-May-26

4161

Report Format: PSDsoil/TP131/Rep Issue 2 Rev 0

34 Hawbank Road
College Milton
East Kilbride G74 5EX

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enquiries@constructiontesting.co.uk
www.constructiontesting.co.uk

END OF REPORT

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TEST REPORT

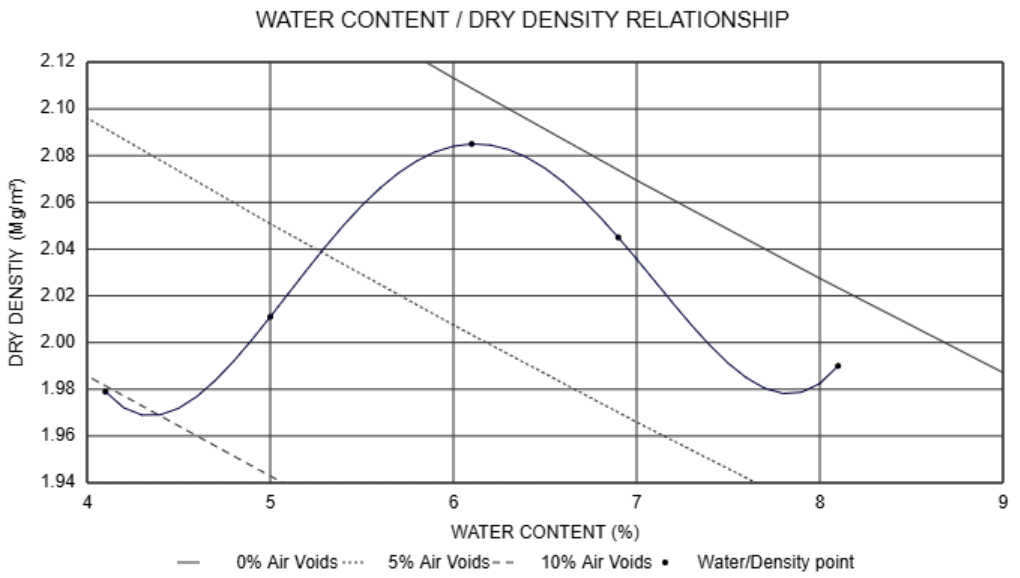
DETERMINATION OF DRY DENSITY/MOISTURE CONTENT RELATIONSHIP

BS 1377-2: 2022 clause 11 (4.5kg Rammer Method)

REPORT NUMBER:	C5017684 / 404334.2.1.1		
SAMPLE NUMBER:	637129	CLIENT:	Westshield Limited
CLIENT REF:	5017684	ADDRESS:	Ashcroft House, Bredbury Park Way, SK6 2SN
DATE SAMPLED:	22/04/2026	SITE:	Former Kirkby College Campus, Kirkby
SAMPLED BY:	Peter Stockley	SUPPLIER:	Ex, Ex
DATE RECEIVED:	22/04/2026	MATERIAL:	Sample 1 Brown sand
DATE COMPLETED:	09/06/2026	LOCATION:	David Wilson Plots Compound Area
TESTED BY:	Nikolay Nikolov	PREPARATION METHOD:	Susceptible - 1lt (11.2.3.2)
TYPE OF SAMPLE:	Disturbed	COMPACTION SAMPLE:	Single sample
VARIATIONS:	None	SAMPLING PLAN:	CTS procedure TP41
ENVIRONMENTAL CONDITIONS:	Sunny	METHOD OF SAMPLING:	Method 2: Sampling from site excavation locations.
LOCATION AND ORIENTATION:	N/A	GRADING ZONE:	1

RESULT **Test Location: CTS East Kilbride**

MAXIMUM DRY DENSITY:	2.09 Mg/m^3
OPTIMUM WATER CONTENT:	6.1 %
AMOUNT (By Dry Mass) RETAINED ON >20mm TEST SIEVE:	0 %
AMOUNT (By Dry Mass) RETAINED ON >37.5mm TEST SIEVE:	0 %
ASSUMED PARTICLE DENSITY USED TO PLOT AIR VOIDS:	2.42 Mg/m^3



Point	Actual WC (%)	Dry density (Mg/m^3)	HSV (Kpa)
1	4.1	1.98	N/A
2	5	2.01	N/A
3	6.1	2.08	N/A
4	6.9	2.05	N/A
5	8.1	1.99	N/A

Remarks:
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For and on behalf of CTS
Keir Agnew - Laboratory Manager

Approved Signatory
Report date 09-Jun-26

4161

Report Format: OMC4.5/TP132/Rep Issue 2 Rev 0

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East Kilbride G74 5EX

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TEST REPORT

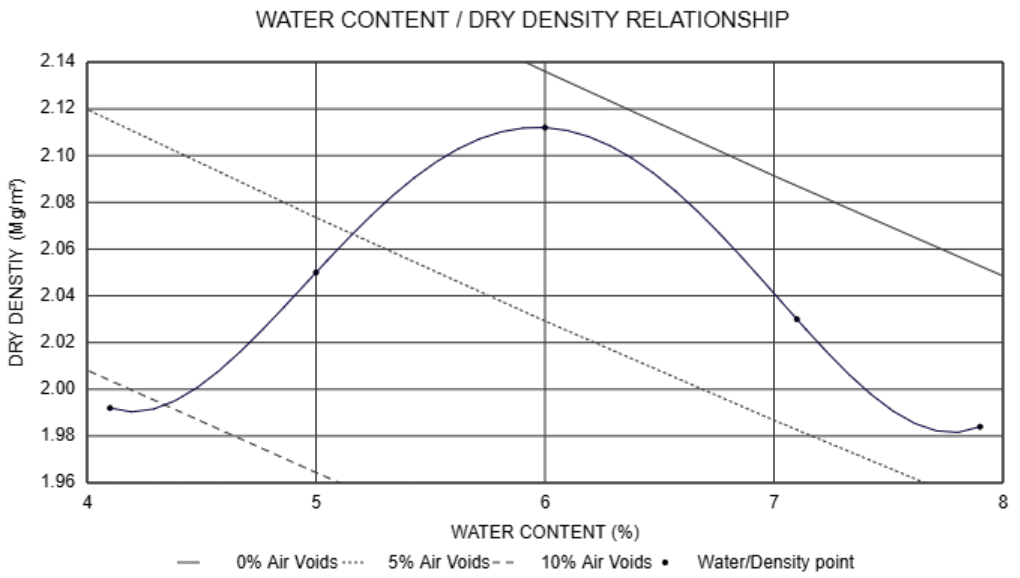
DETERMINATION OF DRY DENSITY/MOISTURE CONTENT RELATIONSHIP

BS 1377-2: 2022 clause 11 (4.5kg Rammer Method)

REPORT NUMBER:	C5017684 / 404334.2.1.2		
SAMPLE NUMBER:	637180	CLIENT:	Westshield Limited
CLIENT REF:	5017684	ADDRESS:	Ashcroft House, Bredbury Park Way, SK6 2SN
DATE SAMPLED:	22/04/2026	SITE:	Former Kirkby College Campus, Kirkby
SAMPLED BY:	Peter Stockley	SUPPLIER:	Ex, Ex
DATE RECEIVED:	22/04/2026	MATERIAL:	Sample 2 Brown Sand
DATE COMPLETED:	09/06/2026	LOCATION:	David Wilson Plots Compound Area
TESTED BY:	Nikolay Nikolov	PREPARATION METHOD:	Susceptible - 1lt (11.2.3.2)
TYPE OF SAMPLE:	Disturbed	COMPACTION SAMPLE:	Single sample
VARIATIONS:	None	SAMPLING PLAN:	CTS procedure TP41
ENVIRONMENTAL CONDITIONS:	Sunny	METHOD OF SAMPLING:	Method 2: Sampling from site excavation locations.
LOCATION AND ORIENTATION:	N/A	GRADING ZONE:	1

RESULT **Test Location: CTS East Kilbride**

MAXIMUM DRY DENSITY:	2.11 Mg/m^3
OPTIMUM WATER CONTENT:	6.0 %
AMOUNT (By Dry Mass) RETAINED ON >20mm TEST SIEVE:	0 %
AMOUNT (By Dry Mass) RETAINED ON >37.5mm TEST SIEVE:	0 %
ASSUMED PARTICLE DENSITY USED TO PLOT AIR VOIDS:	2.45 Mg/m^3



Point	Actual WC (%)	Dry density (Mg/m^3)	HSV (Kpa)
1	4.1	1.99	N/A
2	5	2.05	N/A
3	6	2.11	N/A
4	7.1	2.03	N/A
5	7.9	1.98	N/A

Remarks:
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For and on behalf of CTS
Keir Agnew - Laboratory Manager

Approved Signatory
Report date 09-Jun-26

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Report Format: OMC4.5/TP132/Rep Issue 2 Rev 0

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END OF REPORT

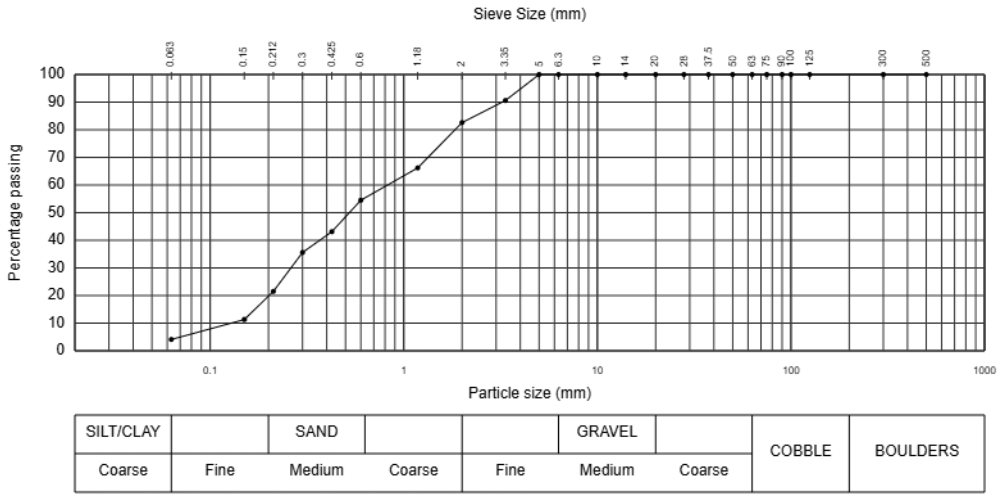
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Registered in England No. 05998333

TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER:	C5017684 / 404334.3.1.2		
SAMPLE NUMBER:	637180	CLIENT:	Westshield Limited
CLIENT REF:	5017684	ADDRESS:	Ashcroft House, Bredbury Park Way, SK6 2SN
DATE SAMPLED:	22/04/2026	SITE:	Former Kirkby College Campus, Kirkby
SAMPLED BY:	Peter Stockley	SOURCE / SUPPLIER:	Ex, Ex
DATE RECEIVED:	22/04/2026	MATERIAL DESCRIPTION:	Sample 2 Brown Sand
DATE COMPLETED:	09/06/2026	PROPOSED CLASSIFICATION:	
TESTED BY:	Nikolay Nikolov	LOCATION:	David Wilson Plots Compound Area
TYPE OF SAMPLE:	Disturbed	PREPARATION METHOD:	BS 1377:Part 1:2016 clause 8.3 & 8.4.5
VARIATIONS:	No variations	SAMPLING PLAN:	CTS procedure TP41
METHOD OF SAMPLING:	Method 2: Sampling from site excavation locations.	LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A
ENVIRONMENTAL CONDITIONS:	Sunny	INITIAL MASS OF DRY SAMPLE	569.2g

RESULT **Test Location: CTS East Kilbride**



Percentage BOULDERS: 0%
Percentage COBBLES: 0%
Percentage GRAVEL: 17%
Percentage SAND: 79%
Percentage SILT/CLAY: 4%

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	100	
63	100	
50	100	
37.5	100	
28	100	
20	100	
14	100	
10	100	
6.3	100	
5	100	
3.35	91	
2	83	
1.18	66	
0.6	55	
0.425	43	
0.3	36	
0.212	22	
0.15	11	
0.063	4	

Alternative, potentially applicable specifications
1A1
Class 1A
Class 1B
Class 6D - On Site

Remarks:
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Report Format: PSDsoil/TP131/Rep Issue 2 Rev 0

TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5017684 / 404334.3.1.2

Class 6D - On Site (crushed rock)
Class 6I - On Site
Class 6J - On Site
Class 6K - On Site
Class 6L - On Site
Class 6L - On Site (crushed rock)
Class 6M - On Site
Class 6N - On Site
Class 6P - On Site
Class 6R - On Site
Class 6S - On Site
Class 9A-On Site
Class 9F
Table 6/1 Fill Material

Remarks:
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For and on behalf of CTS
Keir Agnew - Laboratory Manager

Approved Signatory
Report date 09-Jun-26

4161

Report Format: PSDsoil/TP131/Rep Issue 2 Rev 0

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College Milton
East Kilbride G74 5EX

0343 227 8545
enquiries@constructiontesting.co.uk
www.constructiontesting.co.uk

END OF REPORT

Construction Testing Solutions Ltd.
Registered in England No. 05998333

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client e3p

Address Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contract 18-528, Cherryfield Drive

Job Number MRN 26002/220
Date of Issue 14 July 2026

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.

7 Decision Rule Basis: For a test performed in accordance with the published validated method as noted on the individual test certificates, with repeatability and bias consistent with the published method values, and no additional influences being identified, further risks associated with uncertainty do not need to be considered.

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

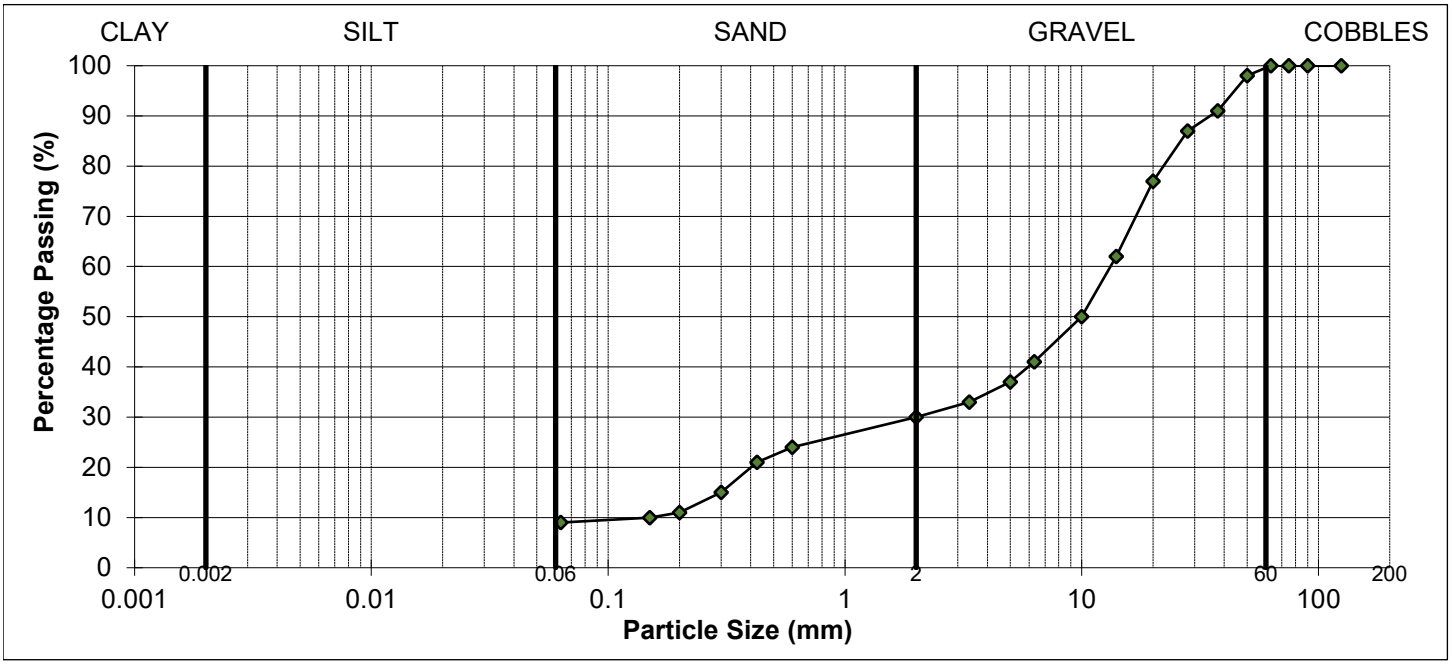
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528, Cherryfield Drive
JOB NUMBER	MRN 26002/220

SAMPLE LABEL	SW-MG-116	DATE SAMPLED	11-Jun-26
LAB SAMPLE No	6131701	DATE RECEIVED	15-Jun-26
DATE TESTED	23-Jun-26	SAMPLED BY	Client

MATERIAL	Made Ground		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	7.7

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	95-100	6.3	41	
90	100		5	37	
75	100		3.35	33	
63	100		2	30	
50	98		0.6	24	
37.5	91		0.425	21	
28	87		0.3	15	
20	77		0.2	11	
14	62		0.15	10	
10	50		0.063	9	<15



SOIL FRACTIONS			
COBBLES	0	SAND	21%
GRAVEL	70%	SILT / CLAY	9%

REMARKS
Sample complies with the advised grading specification for a 1A material (SHW Series 600, Table 6/2, Feb.2017)
Uniformity coefficient = >10

SIGNED

Name O.P. Davies BA (Hons) (Director) DATE 14-Jul-26

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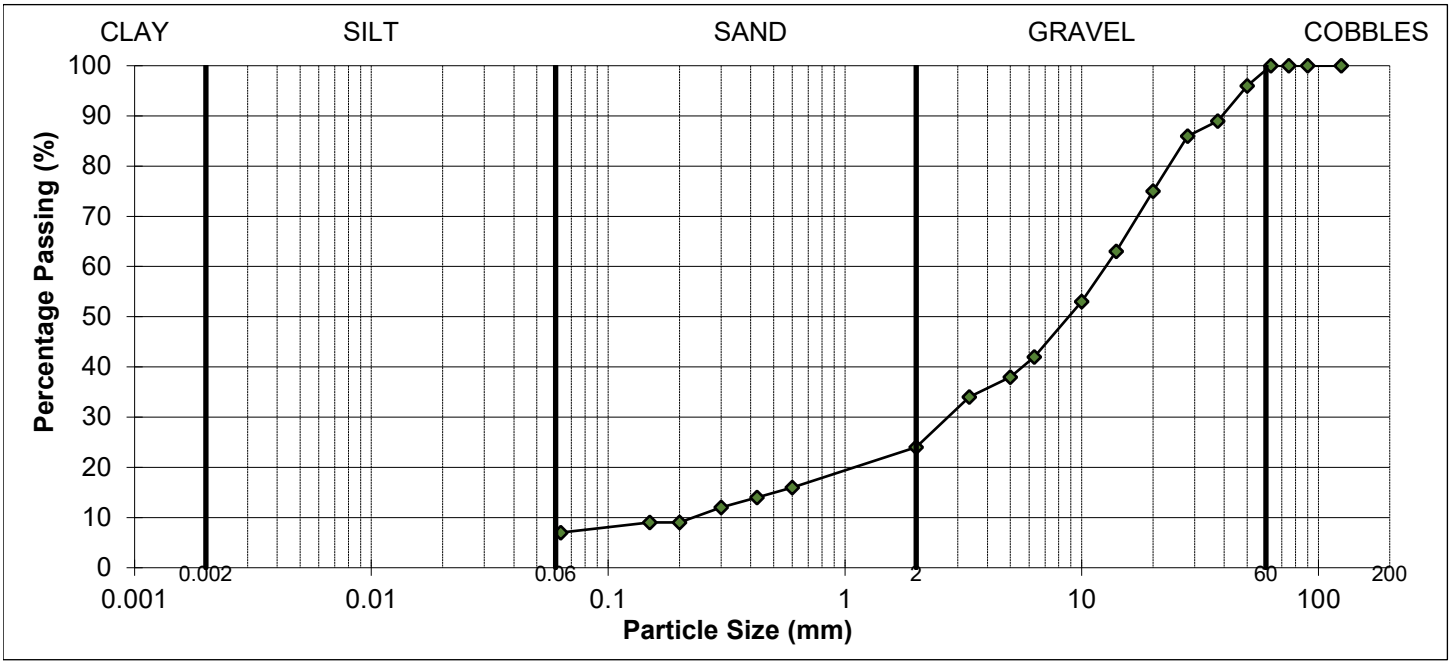
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528, Cherryfield Drive
JOB NUMBER	MRN 26002/220

SAMPLE LABEL	SW-MG-117	DATE SAMPLED	11-Jun-26
LAB SAMPLE No	6131702	DATE RECEIVED	15-Jun-26
DATE TESTED		SAMPLED BY	Client

MATERIAL	Made Ground		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	10.0

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	95-100	6.3	42	
90	100		5	38	
75	100		3.35	34	
63	100		2	24	
50	96		0.6	16	
37.5	89		0.425	14	
28	86		0.3	12	
20	75		0.2	9	
14	63		0.15	9	
10	53		0.063	7	<15



SOIL FRACTIONS			
COBBLES	0	SAND	17%
GRAVEL	76%	SILT / CLAY	7%

REMARKS
Sample complies with the advised grading specification for a 1A material (SHW Series 600, Table 6/2, Feb.2017)
Uniformity coefficient = >10

SIGNED

Name O.P. Davies BA (Hons) (Director) DATE 14-Jul-26

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DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

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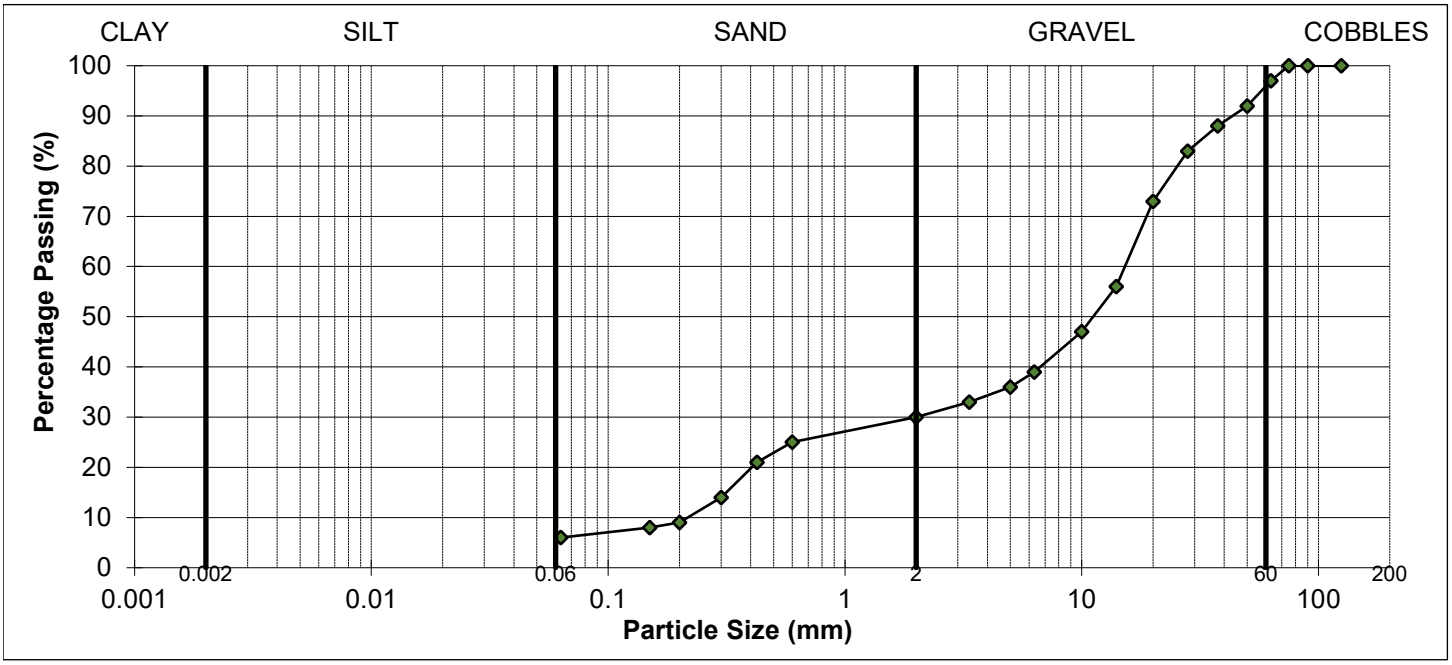
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528, Cherryfield Drive
JOB NUMBER	MRN 26002/220

SAMPLE LABEL	SW-MG-118	DATE SAMPLED	11-Jun-26
LAB SAMPLE No	6131703	DATE RECEIVED	15-Jun-26
DATE TESTED	23-Jun-26	SAMPLED BY	Client

MATERIAL	Made Ground		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	9.1

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	95-100	6.3	39	
90	100		5	36	
75	100		3.35	33	
63	97		2	30	
50	92		0.6	25	
37.5	88		0.425	21	
28	83		0.3	14	
20	73		0.2	9	
14	56		0.15	8	
10	47		0.063	6	<15



SOIL FRACTIONS			
COBBLES	3%	SAND	24%
GRAVEL	67%	SILT / CLAY	6%

REMARKS
Sample complies with the advised grading specification for a 1A material (SHW Series 600, Table 6/2, Feb.2017)
Uniformity coefficient => 10

SIGNED

Name O.P. Davies BA (Hons) (Director) DATE 14-Jul-26

M U R R A Y R I X

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TEL 0161 475 0870

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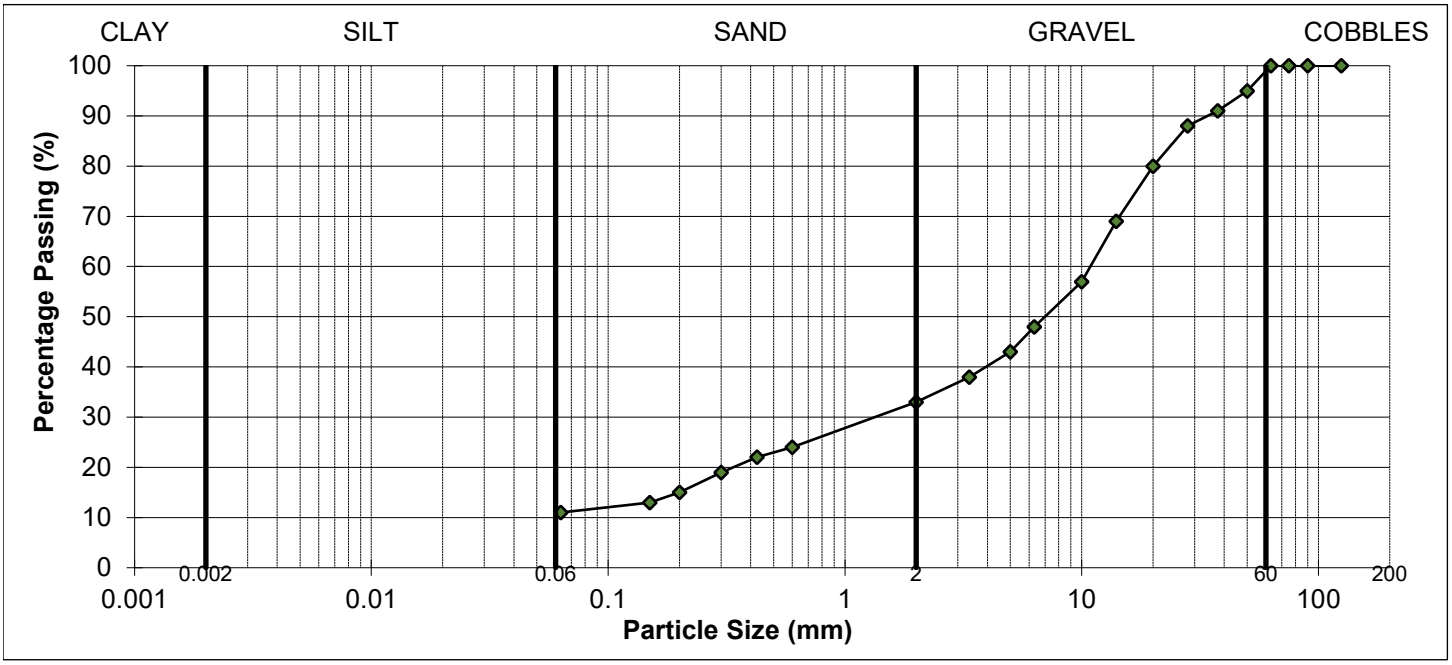
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528, Cherryfield Drive
JOB NUMBER	MRN 26002/220

SAMPLE LABEL	SW-MG-119	DATE SAMPLED	11-Jun-26
LAB SAMPLE No	6131704	DATE RECEIVED	15-Jun-26
DATE TESTED	23-Jun-26	SAMPLED BY	Client

MATERIAL	Made Ground		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	7.7

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	95-100	6.3	48	
90	100		5	43	
75	100		3.35	38	
63	100		2	33	
50	95		0.6	24	
37.5	91		0.425	22	
28	88		0.3	19	
20	80		0.2	15	
14	69		0.15	13	
10	57		0.063	11	<15



SOIL FRACTIONS			
COBBLES	0	SAND	22%
GRAVEL	67%	SILT / CLAY	11%

REMARKS
Sample complies with the advised grading specification for a 1A material (SHW Series 600, Table 6/2, Feb.2017)
Uniformity coefficient => 10

SIGNED

Name O.P. Davies BA (Hons) (Director) DATE 14-Jul-26

M U R R A Y R I X

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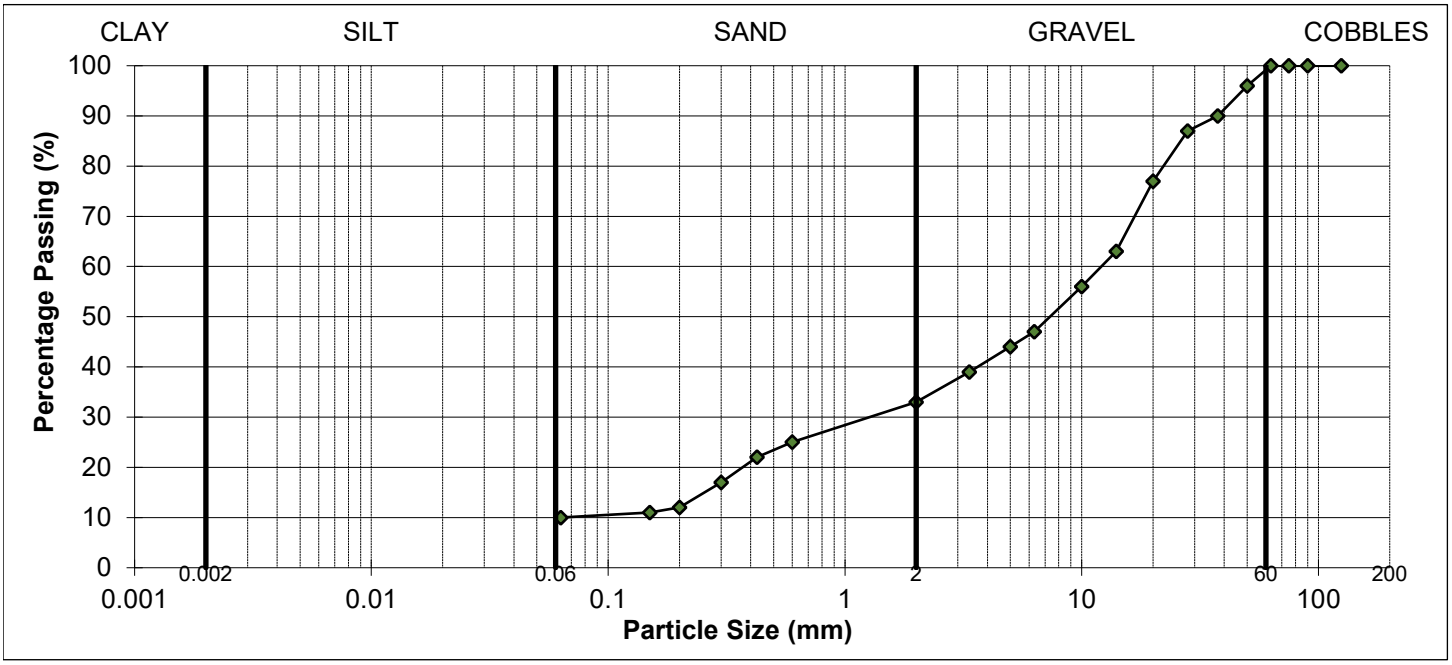
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528, Cherryfield Drive
JOB NUMBER	MRN 26002/220

SAMPLE LABEL	SW-MG-120	DATE SAMPLED	11-Jun-26
LAB SAMPLE No	6131705	DATE RECEIVED	15-Jun-26
DATE TESTED	23-Jun-26	SAMPLED BY	Client

MATERIAL	Made Ground		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	7.0

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	95-100	6.3	47	
90	100		5	44	
75	100		3.35	39	
63	100		2	33	
50	96		0.6	25	
37.5	90		0.425	22	
28	87		0.3	17	
20	77		0.2	12	
14	63		0.15	11	
10	56		0.063	10	<15



SOIL FRACTIONS			
COBBLES	0	SAND	23%
GRAVEL	67%	SILT / CLAY	10%

REMARKS
Sample complies with the advised grading specification for a 1A material (SHW Series 600, Table 6/2, Feb.2017)
Uniformity coefficient = >10

SIGNED

Name O.P. Davies BA (Hons) (Director) DATE 14-Jul-26

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

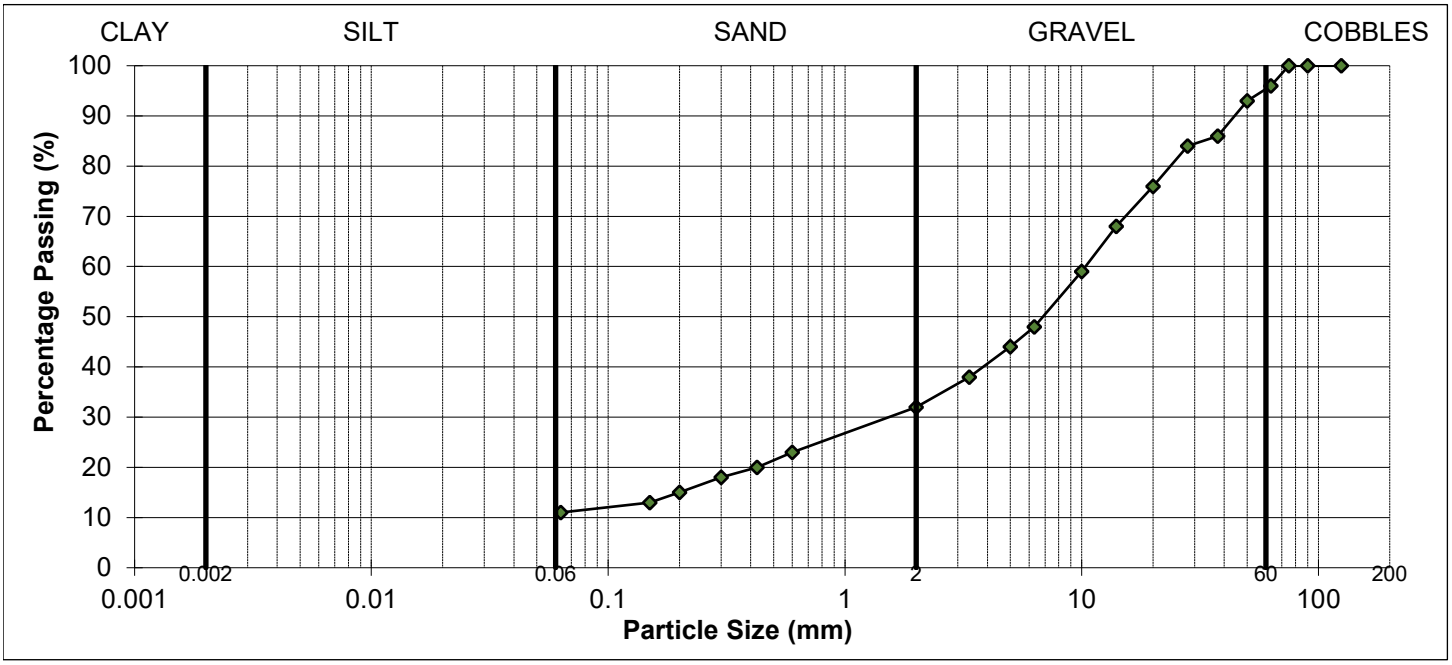
PARTICLE SIZE DISTRIBUTION
BS EN ISO 17892-4:2016
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	e3p
SITE	18-528, Cherryfield Drive
JOB NUMBER	MRN 26002/220

SAMPLE LABEL	SW-MG-121	DATE SAMPLED	11-Jun-26
LAB SAMPLE No	6131706	DATE RECEIVED	15-Jun-26
DATE TESTED	23-Jun-26	SAMPLED BY	Client

MATERIAL	Made Ground		
ADVISED SOURCE	Site Won	AS RECEIVED WATER CONTENT (%)	13.7

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	95-100	6.3	48	
90	100		5	44	
75	100		3.35	38	
63	96		2	32	
50	93		0.6	23	
37.5	86		0.425	20	
28	84		0.3	18	
20	76		0.2	15	
14	68		0.15	13	
10	59		0.063	11	<15



SOIL FRACTIONS			
COBBLES	4%	SAND	21%
GRAVEL	64%	SILT / CLAY	11%

REMARKS
Sample complies with the advised grading specification for a 1A material (SHW Series 600, Table 6/2, Feb.2017)
Uniformity coefficient = >10

SIGNED

Name O.P. Davies BA (Hons) (Director) DATE 14-Jul-26

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

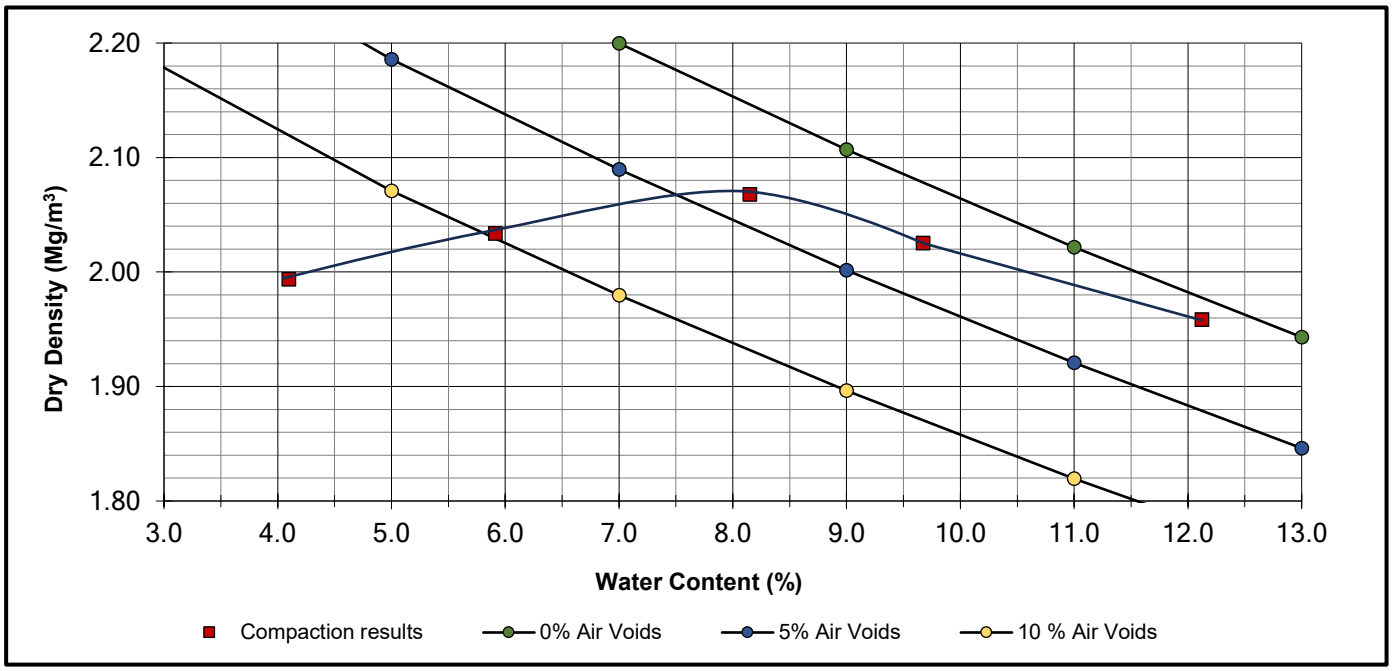
CLIENT	e3p
SITE	18-528, Cherryfield Drive
JOB NUMBER	MRN 26002/220

SAMPLE LABEL	SW-MG-116	DATE SAMPLED	11-Jun-26
SAMPLE NUMBER	6131701	DATE RECEIVED	15-Jun-26
DATE TESTED	04-Jul-26	SAMPLED BY	Client

MATERIAL	Made Ground
ADVISED SOURCE	Site Won
PRE TREATMENT	Air Dired / Separate Batches

RETAINED 37.5mm	9 %	GRADING ZONE	ZONE 5	MOULD SIZE	1 Litre
RETAINED 20mm	23 %	PARTICLE DENSITY	2.60 Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	4.1	1.994
2	5.9	2.034
3	8.1	2.068
4	9.7	2.025
5	12.1	1.959



OPTIMUM WATER CONTENT	**8.0**	(%)
MAXIMUM DRY DENSITY	**2.07**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) (Director) SIGNED DATE 14-Jul-26

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

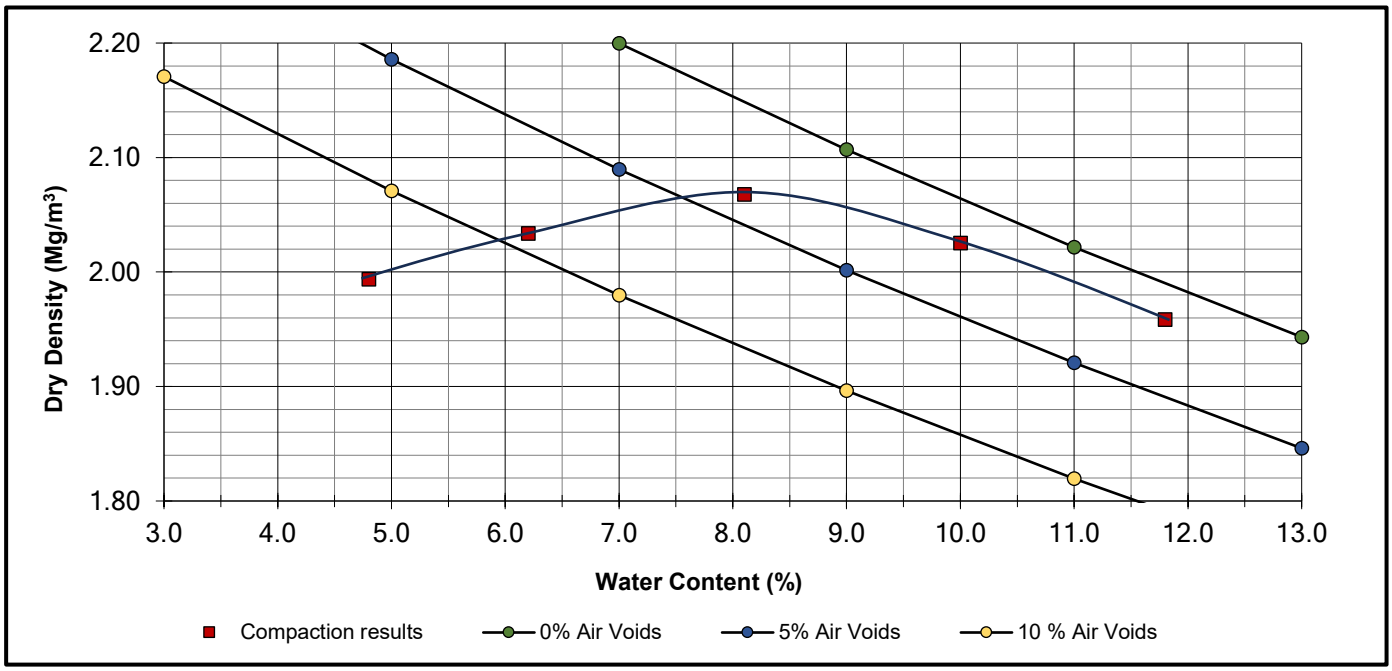
CLIENT	e3p
SITE	18-528, Cherryfield Drive
JOB NUMBER	MRN 26002/220

SAMPLE LABEL	SW-MG-118	DATE SAMPLED	11-Jun-26
SAMPLE NUMBER	6131703	DATE RECEIVED	15-Jun-26
DATE TESTED	04-Jul-26	SAMPLED BY	Client

MATERIAL	Made Ground
ADVISED SOURCE	Site Won
PRE TREATMENT	Air Dired / Separate Batches

RETAINED 37.5mm	12 %	GRADING ZONE	ZONE X	MOULD SIZE	1 Litre
RETAINED 20mm	27 %	PARTICLE DENSITY	2.60 Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	4.8	1.994
2	6.2	2.034
3	8.1	2.068
4	10.0	2.025
5	11.8	1.959



OPTIMUM WATER CONTENT	**8.1**	(%)
MAXIMUM DRY DENSITY	**2.07**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) (Director) SIGNED DATE 14-Jul-26

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

UKAS TESTING 1580

TEST CERTIFICATE

DRY DENSITY/WATER CONTENT RELATIONSHIP 4.5kg RAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

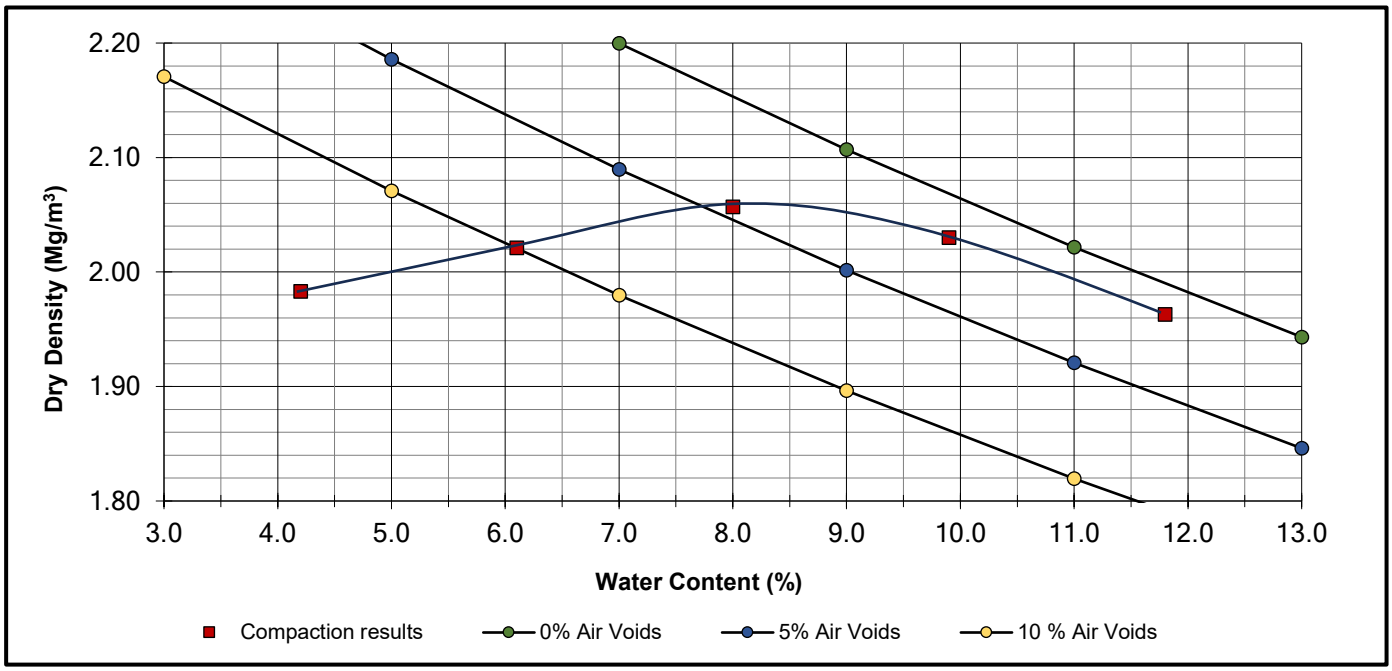
CLIENT	e3p
SITE	18-528, Cherryfield Drive
JOB NUMBER	MRN 26002/220

SAMPLE LABEL	SW-MG-120	DATE SAMPLED	11-Jun-26
SAMPLE NUMBER	6131705	DATE RECEIVED	15-Jun-26
DATE TESTED	04-Jul-26	SAMPLED BY	Client

MATERIAL	Made Ground
ADVISED SOURCE	Site Won
PRE TREATMENT	Air Dired / Separate Batches

RETAINED 37.5mm	10 %	GRADING ZONE	ZONE X	MOULD SIZE	1 Litre
RETAINED 20mm	23 %	PARTICLE DENSITY	2.60 Mg/m3	(Assumed)	

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	4.2	1.983
2	6.1	2.021
3	8.0	2.057
4	9.9	2.030
5	11.8	1.963



OPTIMUM WATER CONTENT	**8.2**	(%)
MAXIMUM DRY DENSITY	**2.06**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) (Director) SIGNED DATE 14-Jul-26

Appendix VIII: Westshield In-Situ Testing Results



Summary of NDG Testing Results – Area 1A

GRID REF / LAYER	MEAN RELATIVE COMPACTION (%)	NOTES
E2/1	98	–
E3/1	100	–
F2/1	99	–
F3/1	97	–
F4/1	102	–
F5/1	94	Test undertaken within proposed road (infrastructure)
F6/1	95	–
G3/1	96	–
G4/1	104	–
G5/1	100	–
G6/1	96	–
E2/2	95	–
E3/2	98	–
F3/2	95	–
F4/2	101	–
F5/2	101	–
F6/2	98	–
G3/2	99	–
G4/2	98	–
G5/2	96	–
G6/2	99	–
G2/1	92	Test undertaken with rear garden (landscaping)
E1/1	96	–

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TEST REPORT

In-Situ Dry Density, Relative Compaction And Air Voids

BS 1377-9: 1990 Nuclear Density Method Compliance tests for compacted material (Direct transmission)

REPORT NUMBER:	C5017684 / 404571.5.1.1		
CLIENT REF:	5017684	CLIENT:	Westshield Limited
DATE TESTED:	23/04/2026	ADDRESS:	Ashcroft House, Bredbury Park Way, SK6 2SN
TESTED BY:	Philip Jones	SITE:	Former Kirkby College Campus, Kirkby Kirkby Centre, Cherryfield Drive, Liverpool, L32 8SF
GAUGE MODEL No:	Troxler 3430	SUPPLIER / SOURCE:	Site Won SIte Won
GAUGE SERIAL No:	20145	MATERIAL:	Mostly Clay. Touch of ash?
CORRECTION FACTORS:	Bulk y=1x + 0 Moisture b=1x + 0	ENVIRONMENTAL CONDITIONS:	Sunny
		OMC REFERENCED:	393830.5.1.1
MAX DRY DENSITY:	1.90 Mg/m^3	PARTICLE DENSITY:	NA
DEPTH OF LAYER:	1000	DEPTH OF TEST	300
SAMPLING PLAN:	Client Specification	SOURCE OF MAX DENSITY:	Laboratory determined

TEST RESULTS **Activity Location: On-Site**

AREA OF TEST: Barrett Homes (BH) Area 1 - plots and road

Test No.	Gauge Bulk Density (Mg/m^3)	Gauge Moisture Density (Mg/m^3)	Corrected Bulk Density (Mg/m^3)	Corrected Moisture Content (%)	Mean Moisture Content (%)	Mean Dry Density (Mg/m^3)	Mean Relative Compaction (%)
H9/1	2.033	0.218	2.03	12	12	1.83	96
	2.073	0.231	2.07	13			
G9/1	2.038	0.220	2.04	12	12	1.83	96
	2.069	0.221	2.07	12			
F9/1	2.050	0.203	2.05	11	12	1.83	96
	2.056	0.245	2.06	14			
G6/1	2.043	0.238	2.04	13	12	1.83	96
	2.070	0.213	2.07	11			
G5/1	2.081	0.171	2.08	9.0	9.3	1.90	100
	2.069	0.183	2.07	9.7			
G4/1	2.168	0.200	2.17	10	9.4	1.97	104
	2.139	0.170	2.14	8.6			
G3/1	2.002	0.183	2.00	10	11	1.82	96
	2.026	0.200	2.03	11			
F2/1	2.096	0.210	2.10	11	11	1.88	99
	2.075	0.208	2.08	11			
F3/1	2.026	0.193	2.03	11	10.0	1.84	97
	2.027	0.175	2.03	9.4			
F4/1	2.092	0.186	2.09	9.8	8.8	1.94	102
	2.119	0.155	2.12	7.9			
F5/1	1.961	0.178	1.96	10.0	11	1.79	94
	2.07711	0.206	2.01	11			
F6/1	1.995	0.190	2.00	11	11	1.81	95
	2.025	0.203	2.03	11			

Remarks:
Test results reported relate only to the items tested.
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Ruby House
40A Hardwick Grange
Warrington WA1 4RF

0343 227 8545
enquiries@constructiontesting.co.uk
www.constructiontesting.co.uk

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In-Situ Dry Density, Relative Compaction And Air Voids

BS 1377-9: 1990 Nuclear Density Method Compliance tests for compacted material (Direct transmission)

REPORT NUMBER: C5017684 / 404571.5.1.1

Test No.	Gauge Bulk Density (Mg/m^3)	Gauge Moisture Density (Mg/m^3)	Corrected Bulk Density (Mg/m^3)	Corrected Moisture Content (%)	Mean Moisture Content (%)	Mean Dry Density (Mg/m^3)	Mean Relative Compaction (%)
E7/1	2.070	0.160	2.07	8.4	9.0	1.89	99
	2.042	0.180	2.04	9.7			
E6/1	2.069	0.221	2.07	12	12	1.84	97
	2.047	0.213	2.05	12			
E5/1	2.048	0.235	2.05	13	13	1.81	95
	2.043	0.243	2.04	14			
E4/1	2.031	0.215	2.03	12	11	1.84	97
	2.057	0.200	2.06	11			
E3/1	2.135	0.198	2.14	10	12	1.90	100
	2.117	0.246	2.12	13			
E2/1	2.038	0.180	2.04	9.7	8.6	1.87	98
	2.016	0.140	2.02	7.5			
D2/1	2.195	0.176	2.20	8.7	8.6	2.00	105
	2.155	0.170	2.16	8.6			
D4/1	2.061	0.205	2.06	11	10.0	1.86	98
	2.023	0.166	2.02	8.9			
D5/1	2.120	0.181	2.12	9.3	9.0	1.95	103
	2.139	0.171	2.14	8.7			
D6/1	2.061	0.193	2.06	10	11	1.85	97
	2.034	0.206	2.03	11			
D7/1	2.051	0.170	2.05	9.0	9.1	1.87	98
	2.031	0.171	2.03	9.2			
H8/1C	2.018	0.188	2.02	10	11	1.84	97
	2.054	0.201	2.05	11			

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For and on behalf of CTS
Luke Williams - Operations Supervisor

Approved Signatory
Report date 24-Apr-26

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Ruby House
40A Hardwick Grange
Warrington WA1 4RF

0343 227 8545
enquiries@constructiontesting.co.uk
www.constructiontesting.co.uk

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CONSTRUCTION TESTING SOLUTIONS
A PHENNA GROUP COMPANY

TEST REPORT

In-Situ Dry Density, Relative Compaction And Air Voids

BS 1377-9: 1990 Nuclear Density Method Compliance tests for compacted material (Direct transmission)

REPORT NUMBER:	C5017684 / 405165.1.1.1		
CLIENT REF:	5017684	CLIENT:	Westshield Limited
DATE TESTED:	28/04/2026	ADDRESS:	Ashcroft House, Bredbury Park Way, SK6 2SN
TESTED BY:	Philip Jones	SITE:	Former Kirkby College Campus, Kirkby Kirkby Centre, Cherryfield Drive, Liverpool, L32 8SF
GAUGE MODEL No:	Troxler 3440	SUPPLIER / SOURCE:	Site Won SIte Won
GAUGE SERIAL No:	37200	MATERIAL:	Mostly clay
CORRECTION FACTORS:	Bulk y=1x + 0 Moisture b=1x + 0	ENVIRONMENTAL CONDITIONS:	Overcast
		OMC REFERENCED:	396693.5.1.1
MAX DRY DENSITY:	1.9 Mg/m^3	PARTICLE DENSITY:	2.45 Mg/m^3
DEPTH OF LAYER:	1000	DEPTH OF TEST	300
SAMPLING PLAN:	Client Specification	SOURCE OF MAX DENSITY:	Laboratory determined

TEST RESULTS **Activity Location: On-Site**

AREA OF TEST: Barrett Homes (BH) Area 1 - plots cont'd

Test No.	Gauge Bulk Density (Mg/m^3)	Gauge Moisture Density (Mg/m^3)	Corrected Bulk Density (Mg/m^3)	Corrected Moisture Content (%)	Mean Moisture Content (%)	Mean Dry Density (Mg/m^3)	Mean Air Voids (%)	Mean Relative Compaction (%)
G6/2	2.057	0.200	2.06	11	11	1.87	3.7	99
	2.086	0.198	2.09	10				
G5/2	2.053	0.223	2.05	12	12	1.82	3.6	96
	2.033	0.217	2.03	12				
G4/2	2.095	0.212	2.10	11	12	1.87	1.8	98
	2.083	0.224	2.08	12				
G3/2	2.090	0.202	2.09	11	11	1.89	2.3	99
	2.098	0.212	2.10	11				
F3/2	2.049	0.252	2.05	14	14	1.80	2.0	95
	2.038	0.241	2.04	13				
F4/2	2.128	0.204	2.13	11	11	1.92	1.4	101
	2.113	0.202	2.11	11				
F5/2	2.099	0.165	2.10	8.5	8.8	1.92	4.9	101
	2.070	0.172	2.07	9.1				
F6/2	2.073	0.198	2.07	11	10	1.86	4.9	98
	2.029	0.187	2.03	10				
F8/1C	2.094	0.183	2.09	9.6	9.7	1.90	3.8	100
	2.085	0.187	2.09	9.8				
G8/1C	2.136	0.250	2.14	13	13	1.87	-0.4	98
	2.087	0.231	2.09	12				
E7/2	2.115	0.187	2.12	9.7	11	1.91	0.8	101
	2.128	0.237	2.13	13				
E6/2	2.088	0.214	2.09	11	11	1.89	2.3	99
	2.099	0.199	2.10	10				

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TEST REPORT

In-Situ Dry Density, Relative Compaction And Air Voids

BS 1377-9: 1990 Nuclear Density Method Compliance tests for compacted material (Direct transmission)

REPORT NUMBER: C5017684 / 405165.1.1.1

Test No.	Gauge Bulk Density (Mg/m^3)	Gauge Moisture Density (Mg/m^3)	Corrected Bulk Density (Mg/m^3)	Corrected Moisture Content (%)	Mean Moisture Content (%)	Mean Dry Density (Mg/m^3)	Mean Air Voids (%)	Mean Relative Compaction (%)
E5/2	2.069	0.211	2.07	11	12	1.84	3.0	97
	2.046	0.229	2.05	13				
E4/2	2.019	0.210	2.02	12	11	1.81	6.1	95
	2.000	0.193	2.00	11				
E3/2	2.063	0.213	2.06	12	11	1.87	2.8	98
	2.091	0.207	2.09	11				
E2/2	2.036	0.219	2.04	12	12	1.81	4.3	95
	2.015	0.220	2.02	12				

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For and on behalf of CTS
Luke Williams - Operations Supervisor

Approved Signatory
Report date 07-May-26

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Report Format: NDM042Bulk/TP13/Rep Issue 2 Rev 0

Ruby House
40A Hardwick Grange
Warrington WA1 4RF

0343 227 8545
enquiries@constructiontesting.co.uk
www.constructiontesting.co.uk

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TEST REPORT

In-Situ Dry Density, Relative Compaction And Air Voids

BS 1377-9: 1990 Nuclear Density Method Compliance tests for compacted material (Direct transmission)

REPORT NUMBER:	C5017684 / 412302.2.1.1		
CLIENT REF:	5017684	CLIENT:	Westshield Limited
DATE TESTED:	15/06/2026	ADDRESS:	Ashcroft House, Bredbury Park Way, SK6 2SN
TESTED BY:	Philip Jones	SITE:	Former Kirkby College Campus, Kirkby Kirkby Centre, Cherryfield Drive, Liverpool, L32 8SF
GAUGE MODEL No:	Introtek 3500 Explorer	SUPPLIER / SOURCE:	SITE WON SITE WON
GAUGE SERIAL No:	6892	MATERIAL:	Orangish brown sandy CLAY
CORRECTION FACTORS:	Bulk y=1x + 0 Moisture b=1x + 0	ENVIRONMENTAL CONDITIONS:	Overcast
		OMC REFERENCED:	399412.3.1.1
MAX DRY DENSITY:	1.98 Mg/m^3	PARTICLE DENSITY:	2.65 Mg/m^3
DEPTH OF LAYER:	300	DEPTH OF TEST	300
SAMPLING PLAN:	Client Specification	SOURCE OF MAX DENSITY:	

TEST RESULTS **Activity Location: On-Site**

AREA OF TEST: Barrett Homes - first phase build area

Test No.	Gauge Bulk Density (Mg/m^3)	Gauge Moisture Density (Mg/m^3)	Corrected Bulk Density (Mg/m^3)	Corrected Moisture Content (%)	Mean Moisture Content (%)	Mean Dry Density (Mg/m^3)	Mean Air Voids (%)	Mean Relative Compaction (%)
D2/2	2.074	0.182	2.07	9.6	9.2	1.89	11.4	95
	2.048	0.166	2.05	8.8				
D4/2	2.144	0.186	2.14	9.5	9.4	1.97	7.2	99
	2.160	0.185	2.16	9.4				
D5/2	2.127	0.168	2.13	8.6	8.8	1.97	8.3	100
	2.162	0.178	2.16	9.0				
D6/2	2.148	0.179	2.15	9.1	9.2	1.96	8.0	99
	2.134	0.181	2.13	9.3				
D7/2	2.195	0.172	2.20	8.5	8.2	2.04	6.4	103
	2.218	0.161	2.22	7.8				
C7/1	2.166	0.167	2.17	8.4	7.8	2.02	8.2	102
	2.180	0.147	2.18	7.2				
C6/1	2.088	0.153	2.09	7.9	8.1	1.94	10.9	98
	2.112	0.163	2.11	8.4				
C5/1	2.133	0.193	2.13	9.9	10	1.93	7.2	98
	2.129	0.206	2.13	11				
C4/1	2.034	0.209	2.03	11	12	1.83	8.4	92
	2.077	0.243	2.08	13				
C3/1	2.159	0.161	2.16	8.1	8.2	2.01	7.6	102
	2.198	0.168	2.20	8.3				
C3/2	2.129	0.168	2.13	8.6	8.8	1.95	9.2	98
	2.114	0.176	2.11	9.1				
C4/2	2.089	0.178	2.09	9.3	9.6	1.90	10.1	96
	2.071	0.187	2.07	9.9				

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Ruby House
40A Hardwick Grange
Warrington WA1 4RF

0343 227 8545
enquiries@constructiontesting.co.uk
www.constructiontesting.co.uk

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TEST REPORT

In-Situ Dry Density, Relative Compaction And Air Voids

BS 1377-9: 1990 Nuclear Density Method Compliance tests for compacted material (Direct transmission)

REPORT NUMBER: C5017684 / 412302.2.1.1

Test No.	Gauge Bulk Density (Mg/m^3)	Gauge Moisture Density (Mg/m^3)	Corrected Bulk Density (Mg/m^3)	Corrected Moisture Content (%)	Mean Moisture Content (%)	Mean Dry Density (Mg/m^3)	Mean Air Voids (%)	Mean Relative Compaction (%)
C5/2	2.175	0.193	2.18	9.7	10	1.99	5.2	100
	2.193	0.204	2.19	10				
C6/2	2.099	0.225	2.10	12	11	1.89	7.3	95
	2.103	0.205	2.10	11				
C7/2	2.115	0.219	2.12	12	11	1.91	6.3	97
	2.143	0.210	2.14	11				
C7/2	2.112	0.164	2.11	8.4	8.5	1.96	9.3	99
	2.146	0.170	2.15	8.6				
H3/1	2.144	0.179	2.14	9.1	9.2	1.97	7.5	99
	2.157	0.185	2.16	9.4				
H2/1	2.075	0.229	2.08	12	13	1.84	7.2	93
	2.074	0.236	2.07	13				
G2/1	1.987	0.181	1.99	10	10	1.82	12.9	92
	2.021	0.187	2.02	10				
B4/1	2.041	0.189	2.04	10	11	1.83	11.4	92
	2.006	0.205	2.01	11				
B5/1	2.109	0.181	2.11	9.4	9.6	1.92	9.0	97
	2.105	0.187	2.11	9.8				
B6/1	2.071	0.209	2.07	11	11	1.89	7.9	95
	2.121	0.210	2.12	11				
B7/1	2.074	0.186	2.07	9.8	9.5	1.89	10.7	95
	2.063	0.174	2.06	9.2				
B4/2	2.136	0.183	2.14	9.4	9.4	1.96	7.8	99
	2.143	0.185	2.14	9.4				
B5/2	2.087	0.179	2.09	9.4	9.2	1.92	9.8	97
	2.111	0.175	2.11	9.0				
B6/2	2.175	0.190	2.18	9.6	9.4	1.97	7.2	99
	2.132	0.182	2.13	9.3				
B7/2	2.131	0.149	2.13	7.5	8.2	1.99	8.5	101
	2.180	0.179	2.18	9.0				

Remarks:
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For and on behalf of CTS
Luke Williams - Operations Supervisor

Approved Signatory
Report date 16-Jun-26

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Ruby House
40A Hardwick Grange
Warrington WA1 4RF

0343 227 8545
enquiries@constructiontesting.co.uk
www.constructiontesting.co.uk
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TEST REPORT

In-Situ Dry Density, Relative Compaction And Air Voids

BS 1377-9: 1990 Nuclear Density Method Compliance tests for compacted material (Direct transmission)

REPORT NUMBER:	C5017684 / 417846.1.1.1		
CLIENT REF:	5017684	CLIENT:	Westshield Limited
DATE TESTED:	20/07/2026	ADDRESS:	Ashcroft House, Bredbury Park Way, SK6 2SN
TESTED BY:	Peter Stewart	SITE:	Former Kirkby College Campus, Kirkby Kirkby Centre, Cherryfield Drive, Liverpool, L32 8SF
GAUGE MODEL No:	3440	SUPPLIER / SOURCE:	Site Won SIte Won
GAUGE SERIAL No:	37200	MATERIAL:	Ash based granular soil. A few large particles
CORRECTION FACTORS:	Bulk y=1x + 0 Moisture b=1x + 0	ENVIRONMENTAL CONDITIONS:	Sunny
		OMC REFERENCED:	393830.5.1.1
MAX DRY DENSITY:	1.45 Mg/m^3	PARTICLE DENSITY:	2.65 Mg/m^3
DEPTH OF LAYER:	300	DEPTH OF TEST	250
SAMPLING PLAN:	Client Specification	SOURCE OF MAX DENSITY:	Laboratory determined

TEST RESULTS **Activity Location: On-Site**

AREA OF TEST: PRS AREA

Test No.	Gauge Bulk Density (Mg/m^3)	Gauge Moisture Density (Mg/m^3)	Corrected Bulk Density (Mg/m^3)	Corrected Moisture Content (%)	Mean Moisture Content (%)	Mean Dry Density (Mg/m^3)	Mean Air Voids (%)	Mean Relative Compaction (%)
H6/1	1.487	0.079	1.49	5.6	5.9	1.39	39.5	96
	1.450	0.084	1.45	6.2				
H6/2	1.527	0.117	1.53	8.3	8.0	1.42	35.2	98
	1.532	0.110	1.53	7.7				
H5/1	1.506	0.103	1.51	7.3	7.6	1.40	36.4	97
	1.511	0.110	1.51	7.8				
H5/2	1.550	0.113	1.55	7.9	8.2	1.42	34.8	98
	1.522	0.119	1.52	8.5				
H4/1	1.559	0.131	1.56	9.2	9.4	1.42	32.9	98
	1.556	0.136	1.56	9.6				
H4/2	1.572	0.110	1.57	7.5	7.6	1.45	34.3	100
	1.548	0.111	1.55	7.7				
E1/1	1.467	0.081	1.47	5.8	6.3	1.39	38.7	96
	1.492	0.094	1.49	6.7				
E1/2	1.563	0.081	1.56	5.5	5.5	1.47	36.3	102
	1.547	0.080	1.55	5.4				
D1/1	1.545	0.088	1.55	6.0	6.0	1.46	36.2	101
	1.547	0.088	1.55	6.0				
D1/2	1.587	0.107	1.59	7.2	7.3	1.49	33.1	102
	1.600	0.109	1.60	7.3				
C1/1	1.649	0.140	1.65	9.3	8.8	1.52	29.0	105
	1.669	0.129	1.67	8.4				
C2/1	1.627	0.085	1.63	5.5	6.1	1.52	33.3	105
	1.604	0.100	1.60	6.6				

Remarks:
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Ruby House
40A Hardwick Grange
Warrington WA1 4RF

0343 227 8545
enquiries@constructiontesting.co.uk
www.constructiontesting.co.uk

Construction Testing Solutions Ltd.
Registered in England No. 05998333

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CONSTRUCTION TESTING SOLUTIONS
A PHENNA GROUP COMPANY

TEST REPORT

In-Situ Dry Density, Relative Compaction And Air Voids

BS 1377-9: 1990 Nuclear Density Method Compliance tests for compacted material (Direct transmission)

REPORT NUMBER: C5017684 / 417846.1.1.1

Test No.	Gauge Bulk Density (Mg/m^3)	Gauge Moisture Density (Mg/m^3)	Corrected Bulk Density (Mg/m^3)	Corrected Moisture Content (%)	Mean Moisture Content (%)	Mean Dry Density (Mg/m^3)	Mean Air Voids (%)	Mean Relative Compaction (%)
B2/1	1.724	0.124	1.72	7.8	7.6	1.62	26.6	111
	1.756	0.123	1.76	7.5				
B3/1	1.728	0.132	1.73	8.3	7.8	1.62	26.3	112
	1.761	0.120	1.76	7.3				
B3/2	1.687	0.109	1.69	6.9	7.0	1.56	30.3	107
	1.646	0.110	1.65	7.2				
D3/1	1.716	0.090	1.72	5.5	5.7	1.60	30.4	111
	1.674	0.092	1.67	5.8				
D3/2	1.674	0.092	1.67	5.8	6.1	1.58	30.7	109
	1.684	0.100	1.68	6.3				
A4/1	1.631	0.115	1.63	7.6	7.8	1.53	30.6	105
	1.658	0.122	1.66	7.9				
A4/2	1.682	0.126	1.68	8.1	8.5	1.56	27.7	108
	1.710	0.140	1.71	8.9				
S6/1	1.647	0.060	1.65	3.8	3.9	1.58	34.3	109
	1.636	0.062	1.64	3.9				
T6/1	1.661	0.122	1.66	7.9	7.3	1.55	30.3	107
	1.662	0.103	1.66	6.6				
U5/1	1.666	0.096	1.67	6.1	6.6	1.57	30.5	108
	1.680	0.110	1.68	7.0				
V5/1	1.595	0.075	1.60	4.9	5.2	1.53	34.4	105
	1.622	0.083	1.62	5.4				
V4/1	1.609	0.106	1.61	7.0	6.4	1.50	33.6	104
	1.591	0.086	1.59	5.7				
X5/1	1.781	0.130	1.78	7.9	7.7	1.65	25.1	114
	1.767	0.124	1.77	7.6				
X6/1	1.624	0.097	1.62	6.4	6.2	1.53	32.9	105
	1.620	0.092	1.62	6.0				
V6/1	1.665	0.092	1.67	5.8	5.7	1.59	31.0	109
	1.689	0.090	1.69	5.6				
U7/1	1.758	0.130	1.76	8.0	7.7	1.63	25.8	113
	1.758	0.121	1.76	7.4				
T7/1	1.654	0.102	1.65	6.6	6.7	1.55	31.0	107
	1.660	0.106	1.66	6.8				
S7/1	1.698	0.114	1.70	7.2	7.4	1.59	28.3	110
	1.714	0.122	1.71	7.7				

Remarks:
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For and on behalf of CTS
Luke Williams - Operations Supervisor

Approved Signatory
Report date 20-Jul-26

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Report Format: NDM042Bulk/TP13/Rep Issue 2 Rev 0

Ruby House
40A Hardwick Grange
Warrington WA1 4RF

0343 227 8545
enquiries@constructiontesting.co.uk
www.constructiontesting.co.uk

END OF REPORT

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Summary of CBR Testing Results – Area 1A

TEST REFERENCE	CALCULATED EQUIVLIANT CBR (%)	MAX DEFORMATION (MM)
4	11.0	1.39
5	5.8	1.59
7	7.7	1.49
14	17.0	1.33
16	43.0	0.97

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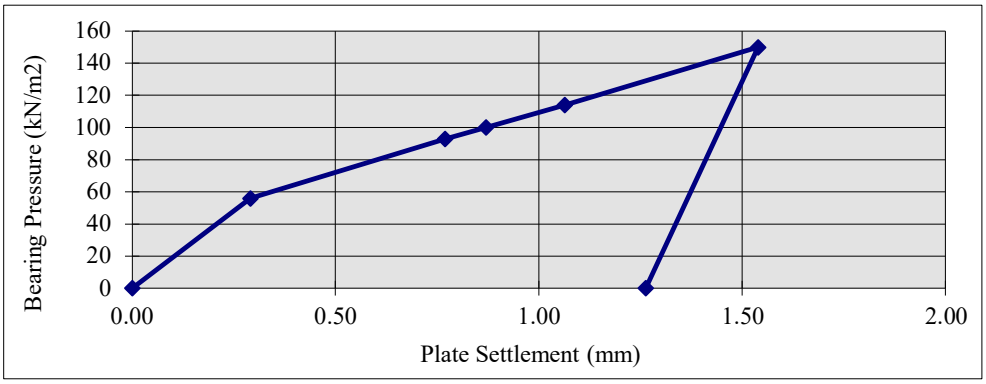
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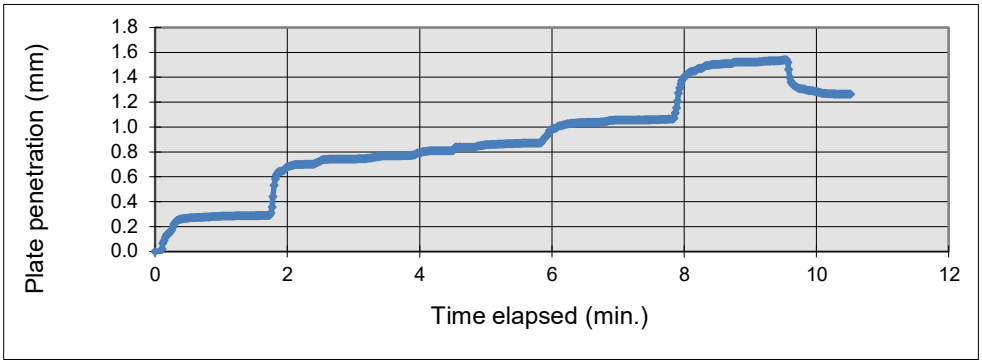
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/01
	Ashcroft House, Bredbury Park Way	**Date Tested**	29/05/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	29/05/2026
Originator :	**Adam Matthews**		

Test Ref :		1	
Test Location:		BARRETT HOMES BUILD ROUTE	
Material:	GRANULAR	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	P STEWART
Supplier/Source:	Not Stated	**Weather:**	CLEAR
Plate Diameter:	450	**Reaction Load:**	14 TON ROLLER





Bearing Pressure (kN/m^2)	Plate Settlement (mm)
0.0	0.00
56.0	0.29
93.0	0.77
100.0	0.87
114.0	1.06
150.0	1.54
0.0	1.26
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	150.0
Maximum deformation (mm) :	1.54
Modulus of subgrade reaction K ($kN/m^2/mm$) :	Not Required
K_{762} (kN/m2/mm) :	64
Calculated Equivalent CBR (%) :	13
Moisture Content (%) :	Not Required

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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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Luke Williams - Operations Supervisor

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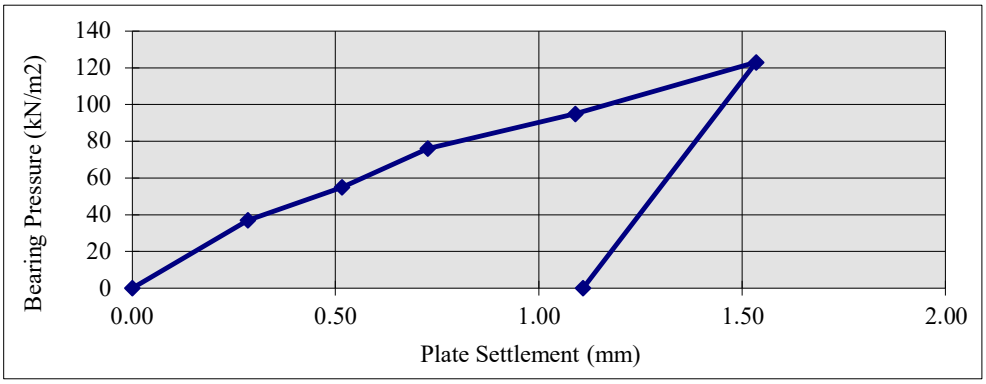
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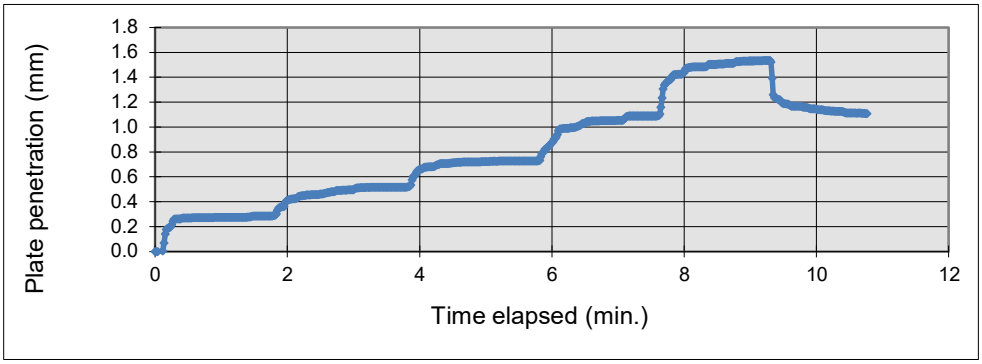
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/02
	Ashcroft House, Bredbury Park Way	**Date Tested**	29/05/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	29/05/2026
Originator :	**Adam Matthews**		

Test Ref :		2	
Test Location:		BARRETT HOMES BUILD ROUTE	
Material:	GRANULAR	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	P STEWART
Supplier/Source:	Not Stated	**Weather:**	CLEAR
Plate Diameter:	450	**Reaction Load:**	14 TON ROLLER





Bearing Pressure (kN/m^2)	Plate Settlement (mm)
0.0	0.00
37.0	0.28
55.0	0.52
76.0	0.73
95.0	1.09
123.0	1.53
0.0	1.11
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	123.0
Maximum deformation (mm) :	1.53
Modulus of subgrade reaction K ($kN/m^2/mm$) :	Not Required
K_{762} (kN/m2/mm) :	53
Calculated Equivalent CBR (%) :	9.2
Moisture Content (%) :	Not Required

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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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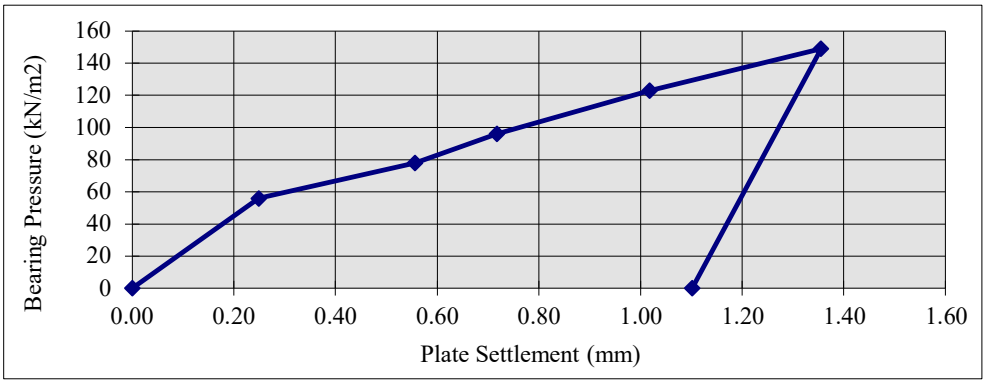
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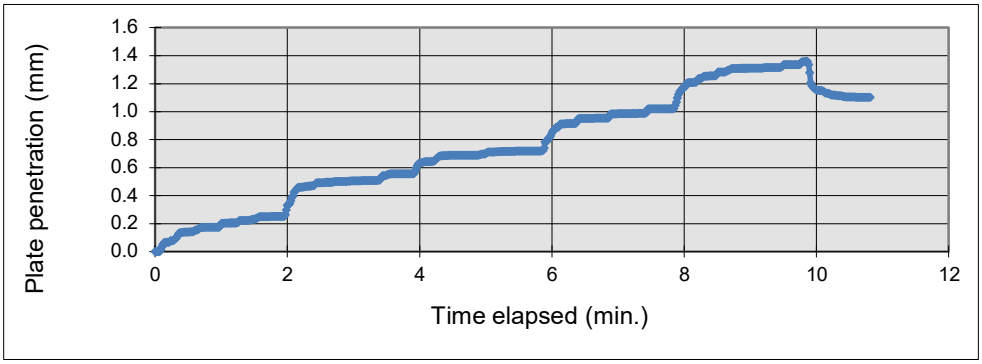
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/04
	Ashcroft House, Bredbury Park Way	**Date Tested**	29/05/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	29/05/2026
Originator :	**Adam Matthews**		

Test Ref :		3	
Test Location:		BARRETT HOMES BUILD ROUTE	
Material:	GRANULAR	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	P STEWART
Supplier/Source:	Not Stated	**Weather:**	CLEAR
Plate Diameter:	450	**Reaction Load:**	14 TON ROLLER





Bearing Pressure (kN/m^2)	Plate Settlement (mm)
0.0	0.00
56.0	0.25
78.0	0.56
96.0	0.72
123.0	1.02
149.0	1.36
0.0	1.10
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	149.0
Maximum deformation (mm) :	1.36
Modulus of subgrade reaction K ($kN/m^2/mm$) :	Not Required
K_{762} (kN/m2/mm) :	70
Calculated Equivalent CBR (%) :	15
Moisture Content (%) :	Not Required

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

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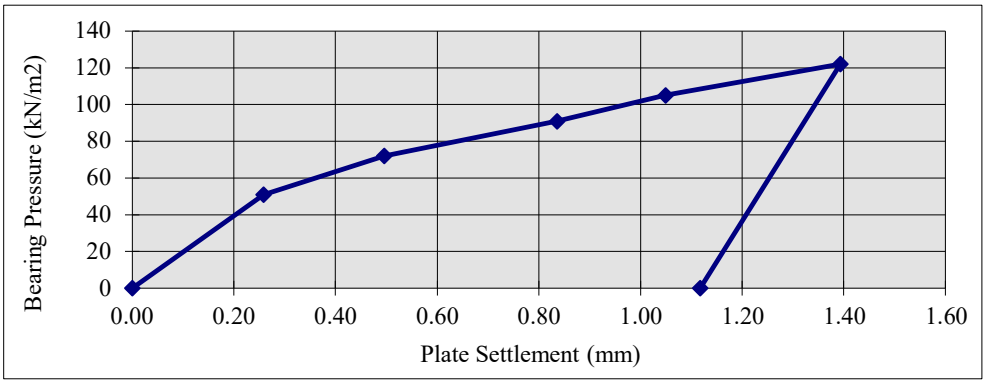
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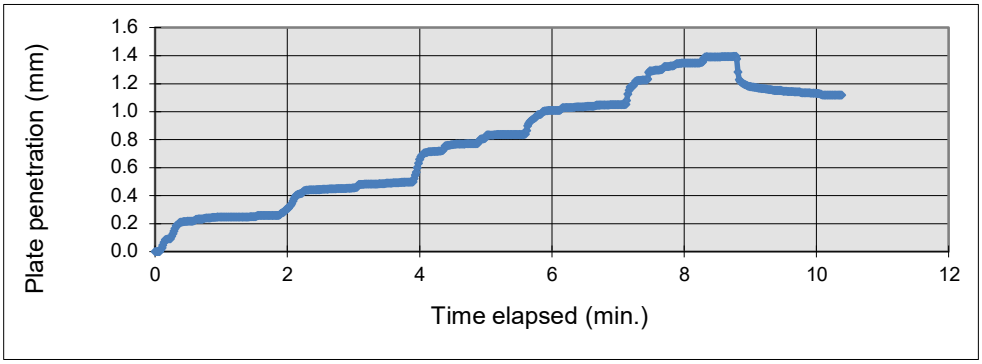
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/05
	Ashcroft House, Bredbury Park Way	**Date Tested**	29/05/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	29/05/2026
Originator :	**Adam Matthews**		

Test Ref :		4	
Test Location:		BARRETT HOMES BUILD ROUTE	
Material:	GRANULAR	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	P STEWART
Supplier/Source:	Not Stated	**Weather:**	CLEAR
Plate Diameter:	450	**Reaction Load:**	14 TON ROLLER





Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
51.0	0.26
72.0	0.50
91.0	0.84
105.0	1.05
122.0	1.39
0.0	1.12
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	122.0
Maximum deformation (mm) :	1.39
Modulus of subgrade reaction K (kN/m^2/mm) :	Not Required
K_{762} (kN/m2/mm) :	57
Calculated Equivalent CBR (%) :	11
Moisture Content (%) :	Not Required

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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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Ruby House
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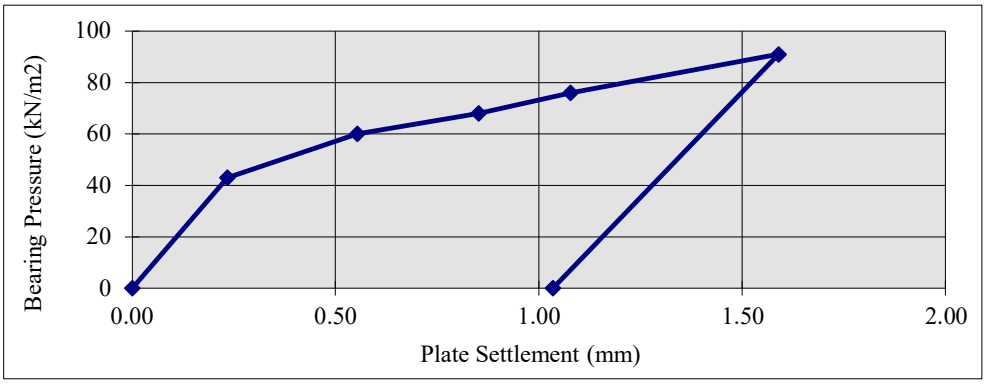
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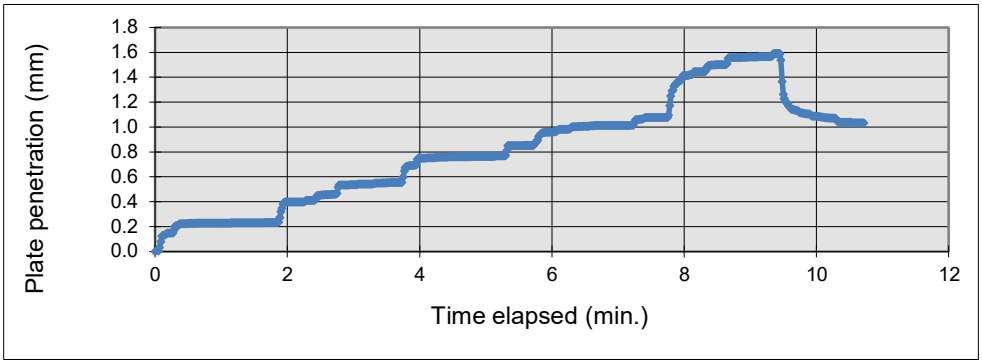
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/06
	Ashcroft House, Bredbury Park Way	**Date Tested**	29/05/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	29/05/2026
Originator :	**Adam Matthews**		

Test Ref :		5	
Test Location:		BARRETT HOMES BUILD ROUTE	
Material:	GRANULAR	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	P STEWART
Supplier/Source:	Not Stated	**Weather:**	CLEAR
Plate Diameter:	450	**Reaction Load:**	14 TON ROLLER





Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
43.0	0.23
60.0	0.55
68.0	0.85
76.0	1.08
91.0	1.59
0.0	1.03
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	91.0
Maximum deformation (mm) :	1.59
Modulus of subgrade reaction K (kN/m^2/mm) :	Not Required
K_{762} (kN/m2/mm) :	40
Calculated Equivalent CBR (%) :	5.8
Moisture Content (%) :	Not Required

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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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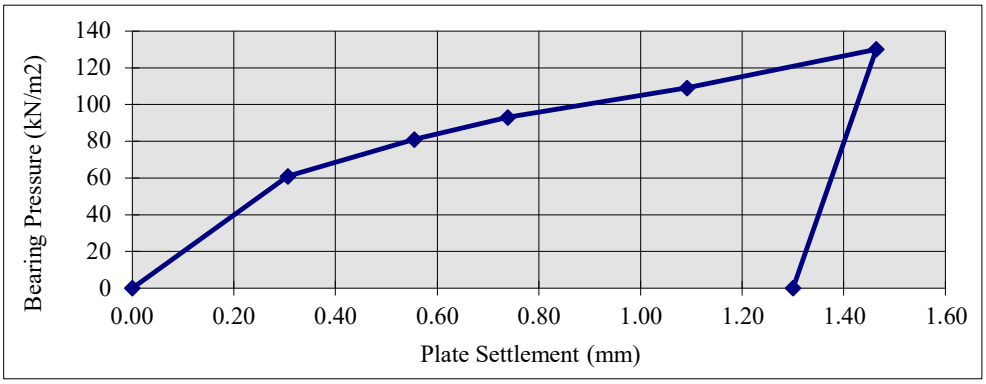
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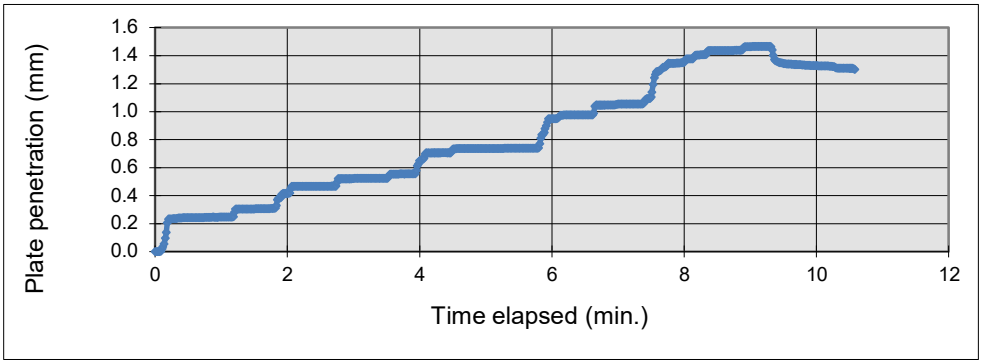
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/07
	Ashcroft House, Bredbury Park Way	**Date Tested**	29/05/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	29/05/2026
Originator :	**Adam Matthews**		

Test Ref :		6	
Test Location:		BARRETT HOMES BUILD ROUTE	
Material:	GRANULAR	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	P STEWART
Supplier/Source:	Not Stated	**Weather:**	CLEAR
Plate Diameter:	450	**Reaction Load:**	14 TON ROLLER





Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
61.0	0.31
81.0	0.55
93.0	0.74
109.0	1.09
130.0	1.46
0.0	1.30
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	130.0
Maximum deformation (mm) :	1.46
Modulus of subgrade reaction K (kN/m^2/mm) :	Not Required
K_{762} (kN/m2/mm) :	59
Calculated Equivalent CBR (%) :	11
Moisture Content (%) :	Not Required

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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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Luke Williams - Operations Supervisor

Warrington Laboratory
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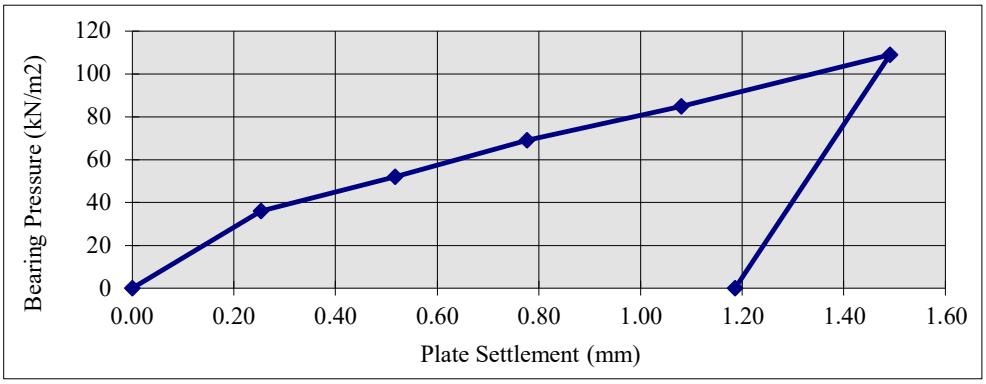
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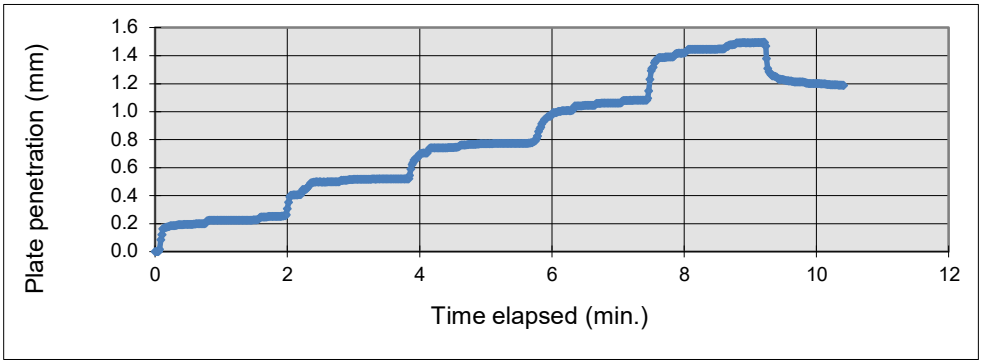
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/08
	Ashcroft House, Bredbury Park Way	**Date Tested**	29/05/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	29/05/2026
Originator :	**Adam Matthews**		

Test Ref :		7	
Test Location:		BARRETT HOMES BUILD ROUTE	
Material:	GRANULAR	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	P STEWART
Supplier/Source:	Not Stated	**Weather:**	CLEAR
Plate Diameter:	450	**Reaction Load:**	14 TON ROLLER





Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
36.0	0.25
52.0	0.52
69.0	0.78
85.0	1.08
109.0	1.49
0.0	1.19
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	109.0
Maximum deformation (mm) :	1.49
Modulus of subgrade reaction K (kN/m^2/mm) :	Not Required
K_{762} (kN/m2/mm) :	47
Calculated Equivalent CBR (%) :	7.7
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

CTS Limited Approved Signature
Luke Williams - Operations Supervisor

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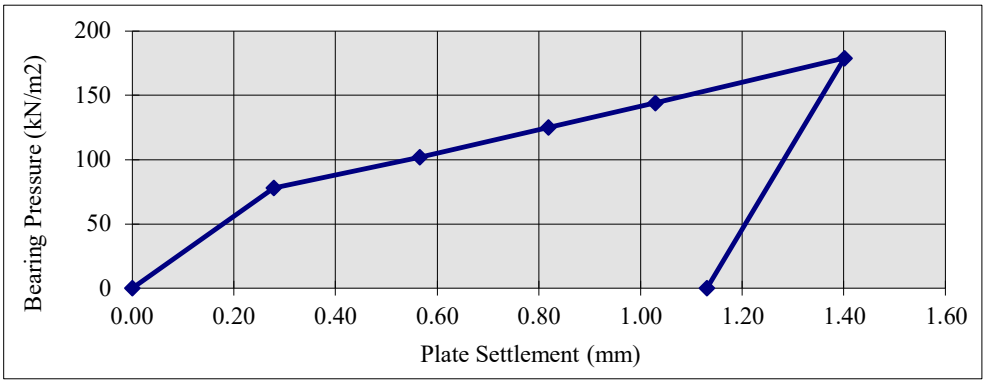
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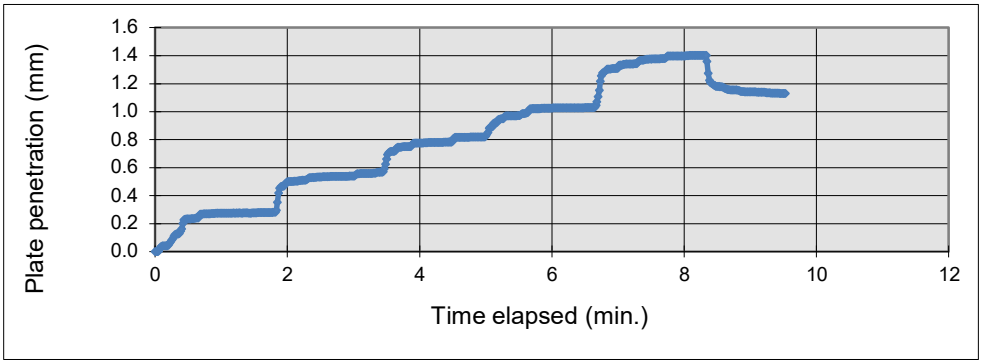
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/09
	Ashcroft House, Bredbury Park Way	**Date Tested**	29/05/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	29/05/2026
Originator :	**Adam Matthews**		

Test Ref :		8	
Test Location:		BARRETT HOMES BUILD ROUTE	
Material:	GRANULAR	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	P STEWART
Supplier/Source:	Not Stated	**Weather:**	CLEAR
Plate Diameter:	450	**Reaction Load:**	14 TON ROLLER





Bearing Pressure (kN/m^2)	Plate Settlement (mm)
0.0	0.00
78.0	0.28
102.0	0.57
125.0	0.82
144.0	1.03
179.0	1.40
0.0	1.13
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	179.0
Maximum deformation (mm) :	1.40
Modulus of subgrade reaction K ($kN/m^2/mm$) :	Not Required
K_{762} (kN/m2/mm) :	82
Calculated Equivalent CBR (%) :	20
Moisture Content (%) :	Not Required

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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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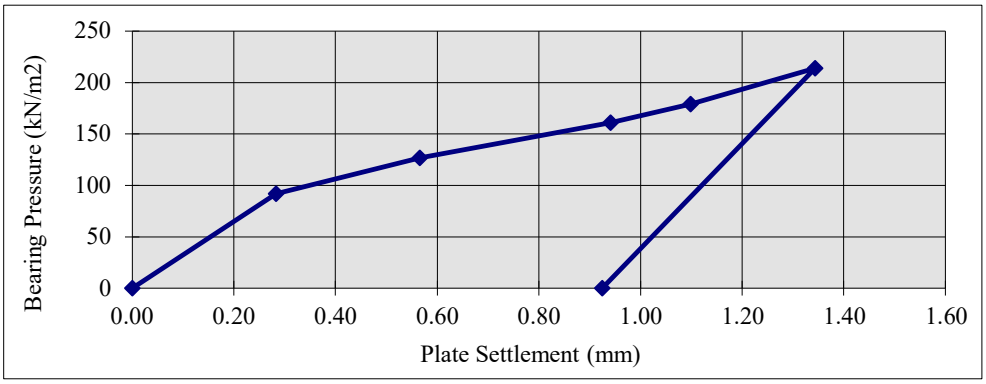
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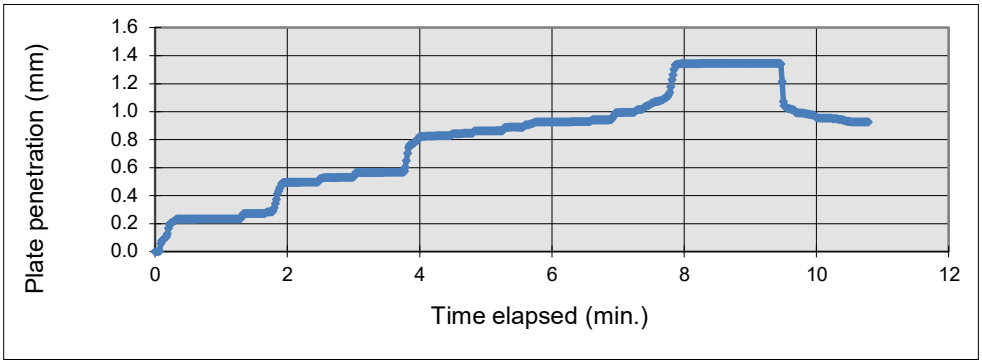
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/10
	Ashcroft House, Bredbury Park Way	**Date Tested**	29/05/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	29/05/2026
Originator :	**Adam Matthews**		

Test Ref :		9	
Test Location:		BARRETT HOMES BUILD ROUTE	
Material:	GRANULAR	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	P STEWART
Supplier/Source:	Not Stated	**Weather:**	CLEAR
Plate Diameter:	450	**Reaction Load:**	14 TON ROLLER





Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
92.0	0.28
127.0	0.57
161.0	0.94
179.0	1.10
214.0	1.34
0.0	0.92
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	214.0
Maximum deformation (mm) :	1.34
Modulus of subgrade reaction K (kN/m^2/mm) :	Not Required
K_{762} (kN/m2/mm) :	100
Calculated Equivalent CBR (%) :	28
Moisture Content (%) :	Not Required

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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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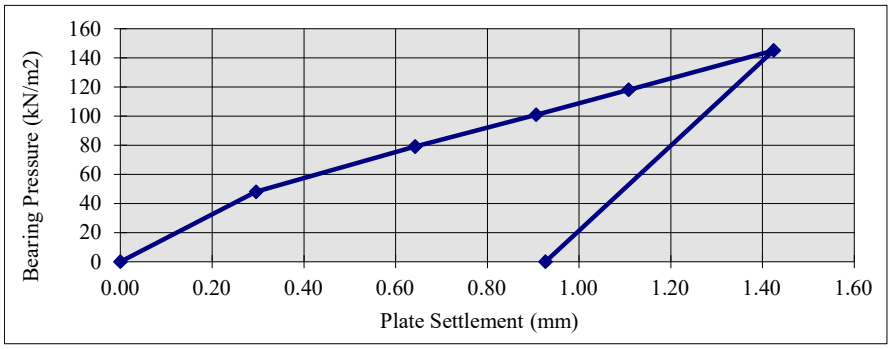
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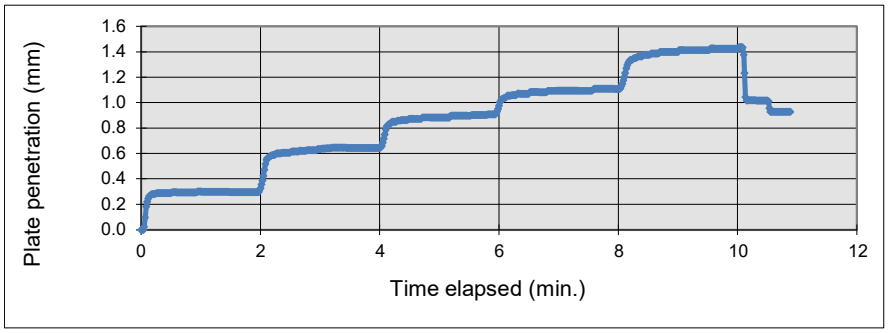
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/ WESTSHIELD1
	Ashcroft House, Bredbury Park Way	**Date Tested**	01/07/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	06/07/2026
Originator :	**Adam Matthews**		

Test Ref :		BHph1 10	
Test Location:			
Material:	FORMATION	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	PAULO
Supplier/Source:	Not Stated	**Weather:**	DRY OVERCAST
Plate Diameter:	450	**Reaction Load:**	16T EXCAVATOR





Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
48.0	0.30
79.0	0.64
101.0	0.91
118.0	1.11
145.0	1.42
0.0	0.93
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	145.0
Maximum deformation (mm) :	1.42
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K_{762} (kN/m2/mm) :	65
Calculated Equivalent CBR (%) :	13
Moisture Content (%) :	Not Required

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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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L Williams

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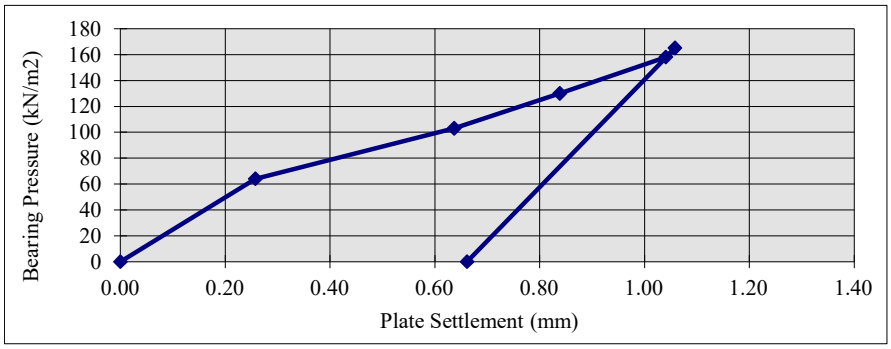
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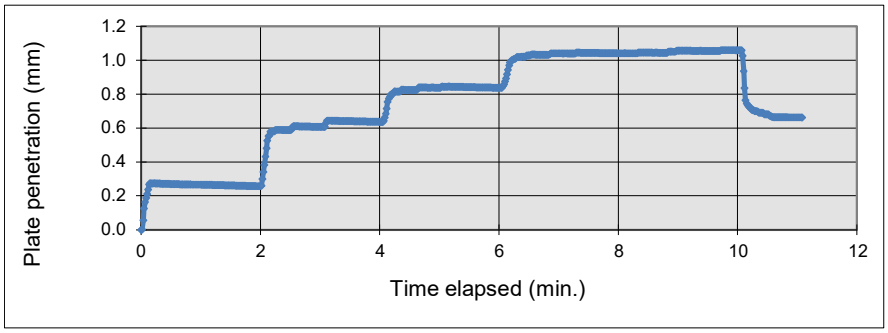
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/ WESTSHIELD2
	Ashcroft House, Bredbury Park Way	**Date Tested**	01/07/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	06/07/2026
Originator :	**Adam Matthews**		

Test Ref :		11	
Test Location:			
Material:	FORMATION	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	PAULO
Supplier/Source:	Not Stated	**Weather:**	DRY OVERCAST
Plate Diameter:	450	**Reaction Load:**	16T EXCAVATOR





Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
64.0	0.26
103.0	0.64
130.0	0.84
158.0	1.04
165.0	1.06
0.0	0.66
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	165.0
Maximum deformation (mm) :	1.06
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K_{762} (kN/m2/mm) :	97
Calculated Equivalent CBR (%) :	27
Moisture Content (%) :	Not Required

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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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L.Williams

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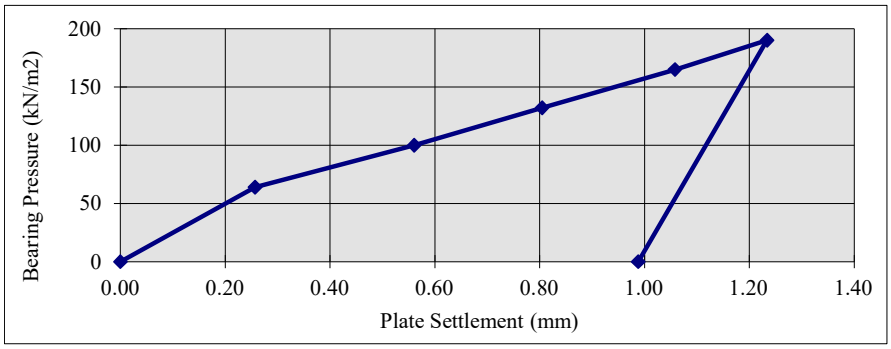
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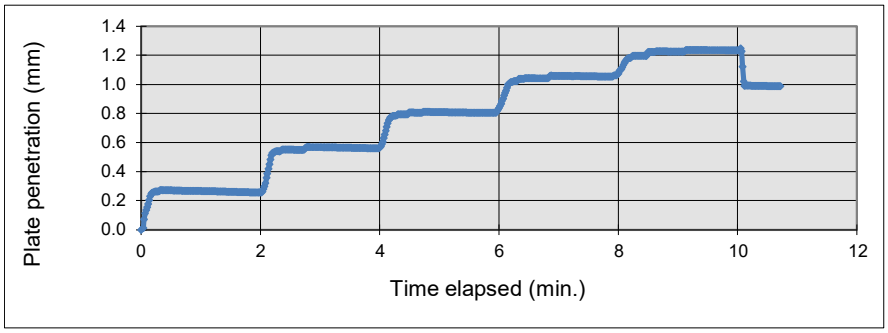
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/ WESTSHIELD3
	Ashcroft House, Bredbury Park Way	**Date Tested**	01/07/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	06/07/2026
Originator :	**Adam Matthews**		

Test Ref :		12	
Test Location:			
Material:	FORMATION	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	PAULO
Supplier/Source:	Not Stated	**Weather:**	DRY OVERCAST
Plate Diameter:	450	**Reaction Load:**	16T EXCAVATOR





Bearing Pressure (kN/m^2)	Plate Settlement (mm)
0.0	0.00
64.0	0.26
100.0	0.56
132.0	0.80
165.0	1.06
190.0	1.23
0.0	0.99
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	190.0
Maximum deformation (mm) :	1.23
Modulus of subgrade reaction K ($kN/m^2/mm$) :	Not Required
K_{762} (kN/m2/mm) :	96
Calculated Equivalent CBR (%) :	26
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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L Williams

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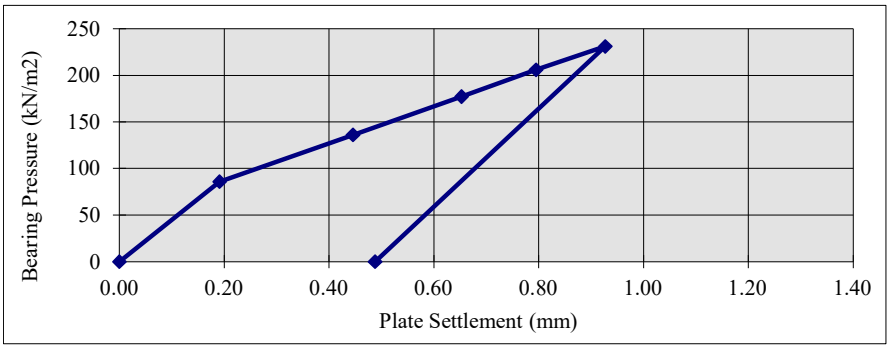
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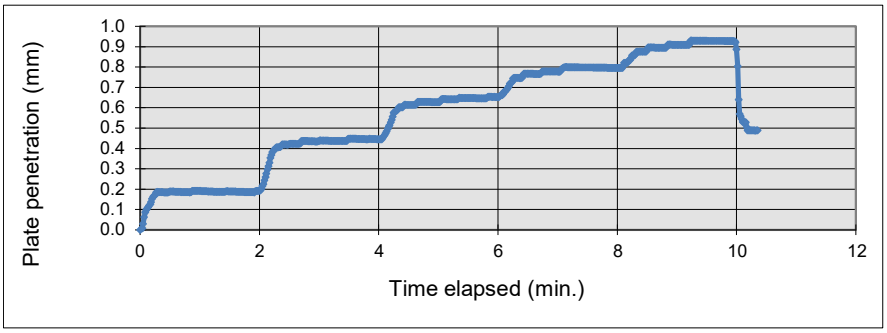
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/ WESTSHIELD5
	Ashcroft House, Bredbury Park Way	**Date Tested**	01/07/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	06/07/2026
Originator :	**Adam Matthews**		

Test Ref :		13	
Test Location:			
Material:	FORMATION	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	PAULO
Supplier/Source:	Not Stated	**Weather:**	DRY OVERCAST
Plate Diameter:	450	**Reaction Load:**	16T EXCAVATOR





Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
86.0	0.19
136.0	0.45
177.0	0.65
206.0	0.79
231.0	0.93
0.0	0.49
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	231.0
Maximum deformation (mm) :	0.93
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K_{762} (kN/m2/mm) :	155
Calculated Equivalent CBR (%) :	60
Moisture Content (%) :	Not Required

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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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Luke Williams - Operations Supervisor
L Williams

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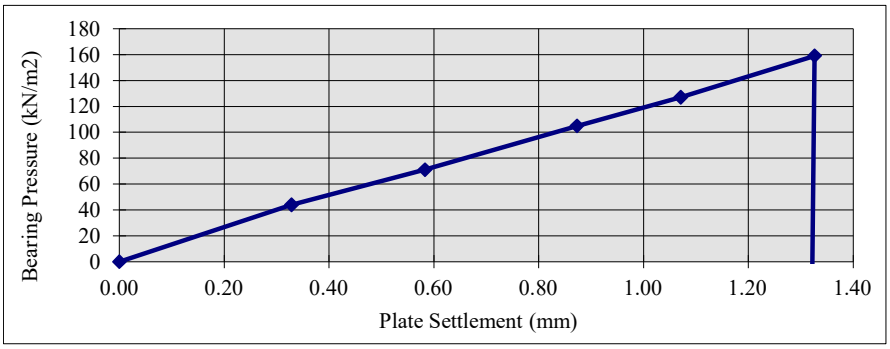
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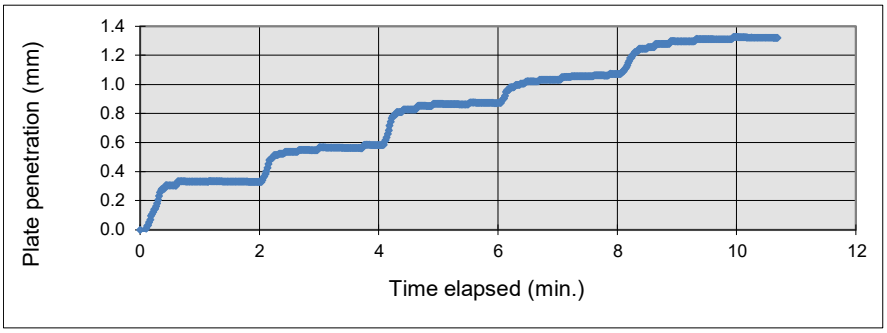
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/ WESTSHIELD6
	Ashcroft House, Bredbury Park Way	**Date Tested**	01/07/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	06/07/2026
Originator :	**Adam Matthews**		

Test Ref :		14	
Test Location:			
Material:	FORMATION	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	PAULO
Supplier/Source:	Not Stated	**Weather:**	DRY OVERCAST
Plate Diameter:	450	**Reaction Load:**	16T EXCAVATOR





Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
44.0	0.33
71.0	0.58
105.0	0.87
127.0	1.07
159.0	1.33
-75.0	1.32
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	159.0
Maximum deformation (mm) :	1.33
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K_{762} (kN/m2/mm) :	74
Calculated Equivalent CBR (%) :	17
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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Luke Williams - Operations Supervisor
L Williams

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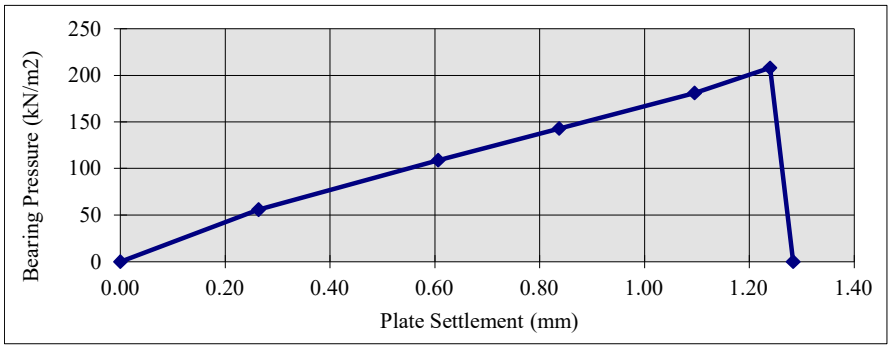
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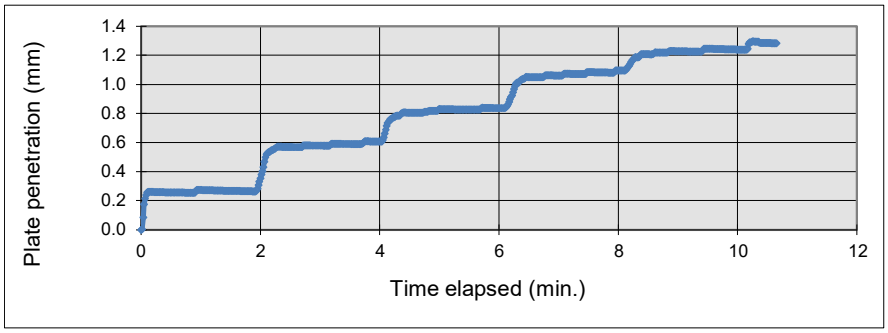
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/ WESTSHIELD7
	Ashcroft House, Bredbury Park Way	**Date Tested**	01/07/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	06/07/2026
Originator :	**Adam Matthews**		

Test Ref :		15	
Test Location:			
Material:	FORMATION	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	PAULO
Supplier/Source:	Not Stated	**Weather:**	DRY OVERCAST
Plate Diameter:	450	**Reaction Load:**	16T EXCAVATOR





Bearing Pressure (kN/m^2)	Plate Settlement (mm)
0.0	0.00
56.0	0.26
109.0	0.61
143.0	0.84
181.0	1.10
208.0	1.24
0.0	1.28
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	208.0
Maximum deformation (mm) :	1.28
Modulus of subgrade reaction K ($kN/m^2/mm$) :	Not Required
K_{762} (kN/m2/mm) :	78
Calculated Equivalent CBR (%) :	18
Moisture Content (%) :	Not Required

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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

CTS Limited Approved Signature
Luke Williams - Operations Supervisor
L.Williams

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Ruby House
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Warrington
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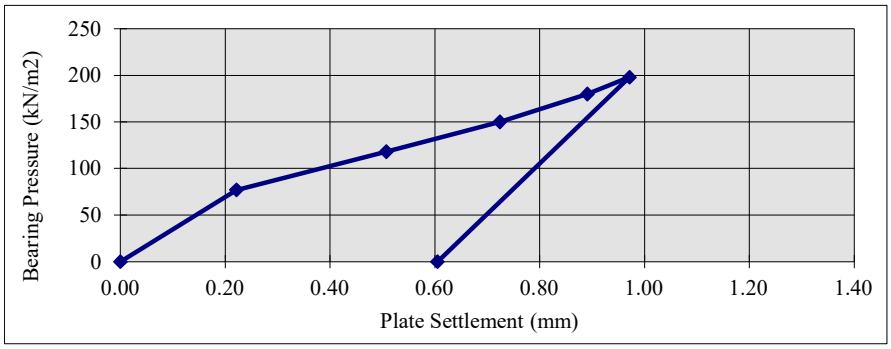
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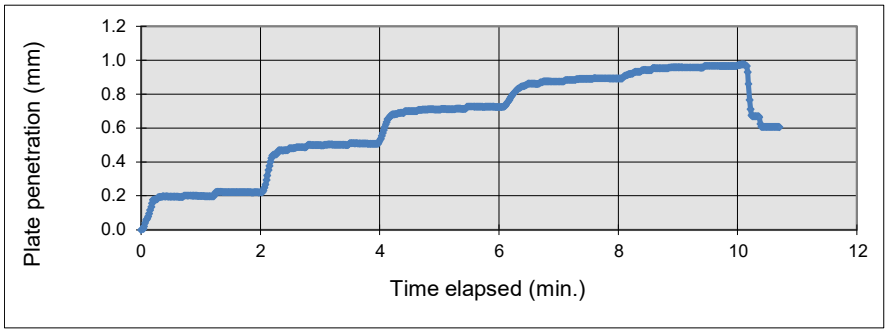
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/ WESTSHIELD8
	Ashcroft House, Bredbury Park Way	**Date Tested**	01/07/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	06/07/2026
Originator :	**Adam Matthews**		

Test Ref :		16	
Test Location:			
Material:	FORMATION	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	PAULO
Supplier/Source:	Not Stated	**Weather:**	DRY OVERCAST
Plate Diameter:	450	**Reaction Load:**	16T EXCAVATOR





Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
77.0	0.22
118.0	0.51
150.0	0.72
180.0	0.89
198.0	0.97
0.0	0.60
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	198.0
Maximum deformation (mm) :	0.97
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K_{762} (kN/m2/mm) :	127
Calculated Equivalent CBR (%) :	43
Moisture Content (%) :	Not Required

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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

Warrington Laboratory
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40A Hardwich Grange
Warrington
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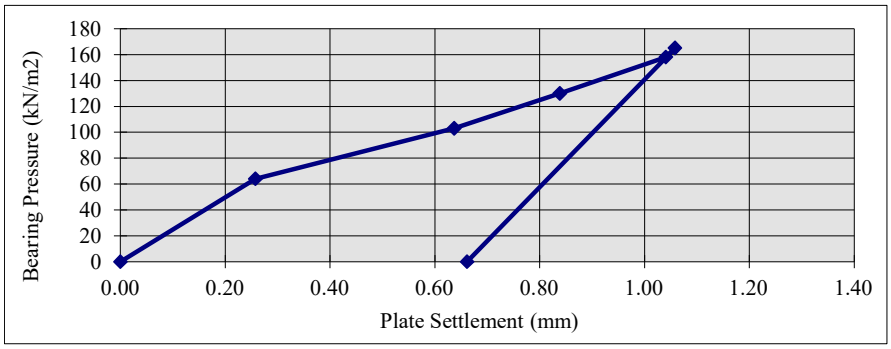
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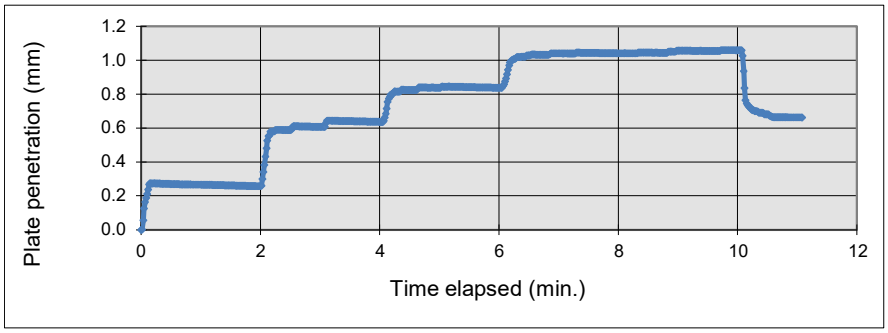
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/ WESTSHIELD9
	Ashcroft House, Bredbury Park Way	**Date Tested**	01/07/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	06/07/2026
Originator :	**Adam Matthews**		

Test Ref :		17	
Test Location:			
Material:	FORMATION	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	PAULO
Supplier/Source:	Not Stated	**Weather:**	DRY OVERCAST
Plate Diameter:	450	**Reaction Load:**	16T EXCAVATOR





Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
64.0	0.26
103.0	0.64
130.0	0.84
158.0	1.04
165.0	1.06
0.0	0.66
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	165.0
Maximum deformation (mm) :	1.06
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K_{762} (kN/m2/mm) :	97
Calculated Equivalent CBR (%) :	27
Moisture Content (%) :	Not Required

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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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Luke Williams - Operations Supervisor
L Williams

Warrington Laboratory
Ruby House
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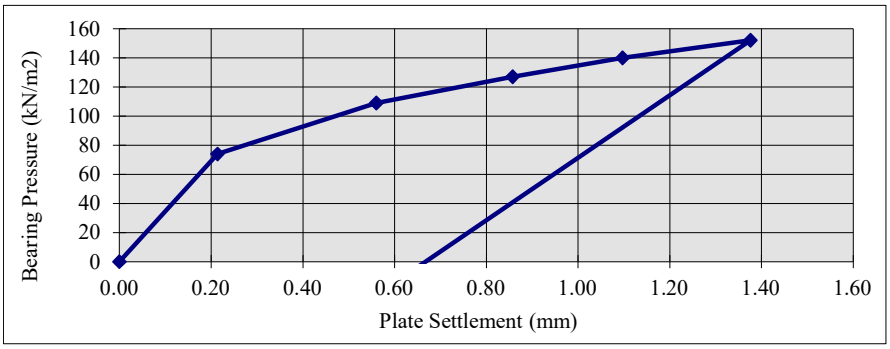
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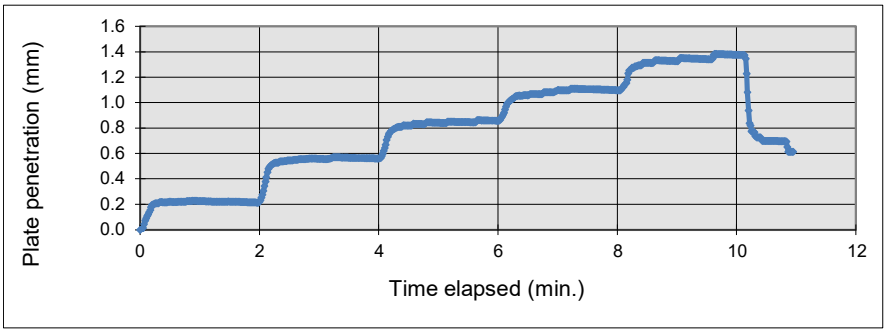
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/ WESTSHIELD10
	Ashcroft House, Bredbury Park Way	**Date Tested**	01/07/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	06/07/2026
Originator :	**Adam Matthews**		

Test Ref :		18	
Test Location:			
Material:	FORMATION	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	PAULO
Supplier/Source:	Not Stated	**Weather:**	DRY OVERCAST
Plate Diameter:	450	**Reaction Load:**	16T EXCAVATOR





Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
74.0	0.21
109.0	0.56
127.0	0.86
140.0	1.10
152.0	1.38
-12.0	0.61
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	152.0
Maximum deformation (mm) :	1.38
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K_{762} (kN/m2/mm) :	73
Calculated Equivalent CBR (%) :	16
Moisture Content (%) :	Not Required

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Values K_{762}, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)
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Luke Williams - Operations Supervisor
L.Williams

Warrington Laboratory
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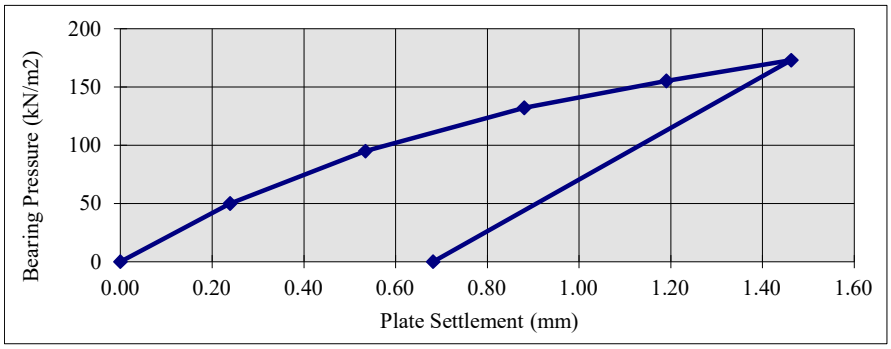
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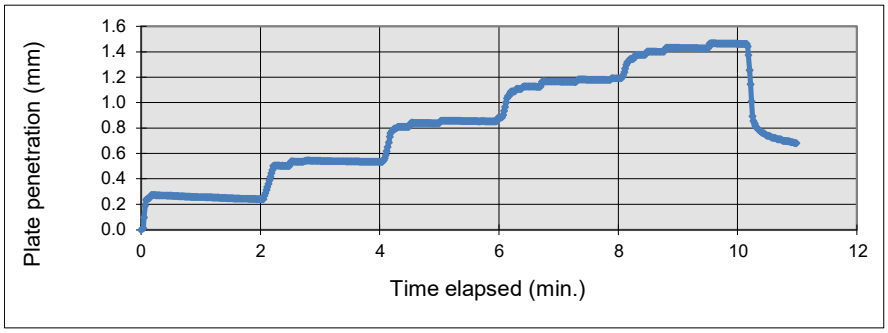
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LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

Project :	Former Kirkby College Campus, Kirkby	**Job No.**	5017684
Client :	Westshield Limited	**Lab Ref No**	5017684/ WESTSHIELD11
	Ashcroft House, Bredbury Park Way	**Date Tested**	01/07/2026
	Bredbury Park Industrial Estate, Stockport, Cheshire SK6 2SN	**Date Reported**	06/07/2026
Originator :	**Adam Matthews**		

Test Ref :		19	
Test Location:			
Material:	FORMATION	**Test Depth (m):**	0.00
Visual Description:	Not Stated	**Technician:**	PAULO
Supplier/Source:	Not Stated	**Weather:**	DRY OVERCAST
Plate Diameter:	450	**Reaction Load:**	16T EXCAVATOR





Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
50.0	0.24
95.0	0.53
132.0	0.88
155.0	1.19
173.0	1.46
0.0	0.68
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Maximum Applied Pressure (kPa) :	173.0
Maximum deformation (mm) :	1.46
Modulus of subgrade reaction K (kN/m²/mm) :	Not Required
K_{762} (kN/m2/mm) :	79
Calculated Equivalent CBR (%) :	19
Moisture Content (%) :	Not Required

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L.Williams

