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City Works 4

Remediation and Earthworks Validation Report

Civil and Remediation Ltd.

C332/EWVR/001/02

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Document Revision Status

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01	19/09/25	Draft issue for internal Technical review.
02	01/12/25	Amended in accordance with Designer comments.
03	26/01/25	Amended in accordance with Designer comments.

Important note about the report:

The sole purpose of this report and the associated services performed by C&R is to highlight the earthworks undertaken in accordance with the scope of services set out in the Contract between C&R and the Client. That scope of services, as described in this report, was developed with the Client.

In preparing this report, C&R has relied upon, and presumed accurate, any information (or confirmation of the absence thereof) provided by the Client. Except as otherwise stated in the report, C&R has not attempted to verify the accuracy or completeness of any such information. If the information is subsequently determined to be false, inaccurate or incomplete then it is possible that our observations and conclusions as expressed in this report may change.

C&R derived the data in this report from information sourced from the Client, data available in the public domain and/or data obtained by C&R. The passage of time, manifestation of latent conditions or impacts of future events may require further examination of the project and subsequent data analysis, and re- evaluation of the data, findings, observations and conclusions expressed in this report. C&R has prepared this report in accordance with the usual care and thoroughness of the consulting profession, for the sole purpose described above and by reference to applicable standards, guidelines, procedures and practices at the date of issue of this report. For the reasons outlined above, however, no other warranty or guarantee, whether expressed or implied, is made as to the data, observations and findings expressed in this report, to the extent permitted by law.

This report should be read in full and no excerpts are to be taken as representative of the findings. No responsibility is accepted by C&R for use of any part of this report in any other context.

The report is based on the available information provided to date and subject to agreement with the regulators. This report has been prepared on behalf of, and for the exclusive use of the Client, and is subject to, and issued in accordance with, the provisions of the contract between C&R and the Client.

C&R accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this report by any third party.

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Contents

1.0 Introduction 1
1.1 Background Information 1
1.2 Outline of Previous Works 1
1.3 Regulatory Liaison 2
1.4 Evidence of Works 2
1.5 Confidentiality 3
2.0 Ground Conditions 3
2.1 Anticipated Ground Conditions 3
2.2 Encountered Ground Conditions 4
2.3 Schedule of Additional Works 4
3.0 Specification 7
3.1 Initial Specification 7
3.2 Strategy Variation on Assessment of Bulk Site Condition 7
4.0 Site Work 7
4.1 Relict Borehole Well Decommissioning 7
4.2 Hardstanding, Relict Slab and Foundation Removal 8
4.3 Hotspot Removal 8
4.4 Unanticipated Contamination 10
4.5 Turnover to Base of Excavation 11
4.6 Reengineering of Material 12
4.7 Disposal, Import and Site Balance 13
4.8 Finished Site 13
5.0 Cut and Fill Volumes 13
6.0 Testing 14
6.1 Testing Summary 14
6.2 Testing Nomenclature and Guidance 16
7.0 Conclusion 16
APPENDIX A – Planning Decision Notice
APPENDIX B – DRAWINGS
APPENDIX C – Inspection and Test Plan
APPENDIX D – Chemical Testing
APPENDIX E – GEOTECHNICAL TESTING RESULTS
APPENDIX F – ROLLER SPECIFICATION

APPENDIX G – DUTY OF CARE WASTE TRANSFER NOTES

APPENDIX H – WEEKLY ENVIRONMENTAL REPORT

1.0 Introduction

1.1 Background Information

Civil and Remediation Ltd. (C&R) were commissioned by Bansco to undertake the remediation, earthworks and associated enabling works in support of the City Works 4 development, located off Welcomb Street, Openshaw, Manchester, M11 2NB. The site extends to approximately 1.53 hectares (15,300 m²) and is being redeveloped to provide four commercial warehouse units with associated infrastructure, car parking and drainage.

The commission encompasses the implementation of the approved remediation strategy and verification requirements, together with the preparation of detailed construction platforms, foundations and drainage infrastructure to facilitate the vertical build. C&R's scope of works has therefore included the remediation of made ground, removal of relict foundations and obstructions, re-engineering of site-won materials in accordance with the Specification for Highway Works Series 600, installation of drainage and attenuation features, and the delivery of geotechnical verification testing to confirm platform suitability.

In addition, C&R have acted as Principal Contractor during the early phases of the project while Bansco mobilised to site, ensuring compliance with the Construction (Design and Management) Regulations 2015 and the requirements of the agreed Construction Environmental Management Plan (CEMP) and Remediation Strategy Implementation Plan (RSIP). The RSIP supersedes elements of the earlier Hydrock Remediation Strategy where updated design measures and risk assessments have been adopted, and should be read in conjunction with the weekly environmental reports, verification sampling records and associated technical notes prepared during the course of the works.

This Validation Report documents the scope of works completed to date, summarises the remedial and enabling measures undertaken on site, and provides supporting evidence to demonstrate that the remediation and enabling works have been completed in accordance with the approved strategies and regulatory requirements.

1.2 Outline of Previous Works

Previous geo-environmental works include the following and should be read in conjunction with this report:

- Phase 1 Preliminary Geo-Environmental and Geotechnical Risk Assessment, prepared by RPS (ref. 220518 R JER9536), May 2022.
- Phase 2 Intrusive Site Investigation, prepared by RPS (ref. JER9536), August 2022.
- Remediation Strategy and Verification Plan, prepared by Hydrock/ Stantec (ref. 22975-HYD-XX-XX-RP-GE-5001), January 2025.

- Ground Gas Technical Note, prepared by Hydrock/ Stantec (ref. 22975-HYD-XX-XX-RP-GE-0001), January 2025.

Using the information provided within the aforementioned reports, C&R developed the following documents and action plans prior to the commencement of the site works:

- Technical Note – Trial Pit Verification (ref. C332/TN/TP/001/01), June 2025.
- Remediation Strategy Implementation Plan (RSIP, ref. C332/RSIP/001/01), August 2025.
- Waste & Resources Action Programme (WRAP, ref. C332/WRAP/001/01), August 2025.
- Construction Environmental Management Plan (CEMP, ref. C332/CEMP/001/01), August 2025.

These documents established the approved framework for the remediation, earthworks, foundation preparation and drainage works summarised in this Validation Report.

1.3 Regulatory Liaison

The relevant planning condition associated with remediation was discharged prior to the commencement of site works.

On appointment, Civil and Remediation Ltd. issued the Remediation Strategy Implementation Plan, Waste & Resources Action Programme, Construction Environmental Management Plan and supporting Technical Notes to the Environmental Health Officer (EHO) at Manchester City Council and to the Environment Agency via the Qualified Person declaration of the Materials Management Plan (MMP). These documents confirmed the methodology, controls and verification approach that would be adopted on site, and ensured alignment with the strategy accepted at Tender.

The MMP was formally approved by the Environment Agency prior to the commencement of works, thereby permitting the controlled reuse of site-won materials in accordance with the Definition of Waste: Code of Practice.

Since mobilisation, Civil and Remediation Ltd. have issued Weekly Environmental Reports (WERs, refs. C332/WER/001/01 through to C332/WER/001/18) to the EHO & Client team on a weekly basis. All reports have been received without regulatory comment, providing confidence that the adopted approach has remained consistent with regulatory expectations throughout the delivery of the works.

1.4 Evidence of Works

All evidence in relation to the works is presented in the Appendices, including:

- As Built drawings (Appendix B);
- Chemical testing results (Appendix D);
- Geotechnical testing results (Appendix E);

- Roller specification (Appendix F); and,
- Duty of care waste transfer notes (Appendix G); and,
- All weekly environmental reports issued progressively every week (Appendix H).

1.5 Confidentiality

This report has been prepared by Civil and Remediation Ltd. exclusively for the use of our Client, Bansco, in relation to the City Works 4 development. The contents of this report, including all supporting data and appendices, are confidential and may not be disclosed or relied upon by any third party without the prior written consent of Civil and Remediation Ltd.

No responsibility is accepted to any party other than the Client for the whole or any part of the contents of this report. Any third party wishing to place reliance upon this report, or any part thereof, does so at their own risk and may be required to enter into a reliance agreement with Civil and Remediation Ltd., which may be subject to an additional fee.

2.0 Ground Conditions

2.1 Anticipated Ground Conditions

The anticipated ground conditions at the Site were initially defined through the Phase 1 Preliminary Geo-Environmental and Geotechnical Risk Assessment and subsequent Phase 2 Intrusive Site Investigation, undertaken by RPS.

These reports identified that the Site was generally underlain by Made Ground of variable thickness, typically comprising reworked fill, brick, ash, clinker, slag and reinforced concrete associated with former industrial development (Class 1C). The Made Ground was proven in places to exceed 2.5m depth, particularly beneath legacy building footprints and hardstanding.

Beneath this horizon, cohesive Devensian Glacial Till deposits were encountered, typically described as firm to stiff low-permeability clays with occasional granular lenses. The till overlies the Chester Formation bedrock, a Principal Aquifer, although the superficial deposits were noted to provide an effective low-permeability barrier.

The Phase 2 laboratory testing identified localised hydrocarbon exceedances, heavy metals, and fragments of asbestos-containing materials within the Made Ground. These were considered potential pollutant linkages, warranting the adoption of a risk-based remediation strategy.

Civil and Remediation Ltd. subsequently undertook supplementary trial pitting to assess the geotechnical properties of the material and increase the dataset for accurate earthworks measurements. Findings were set out within the Gap Site Investigation Technical Note (C332/TN/TP/001/01, June 2025). The Gap SI confirmed a more substantial presence of relict

structures, deeper relict foundations and isolated hydrocarbon-impacted soils, along with extension of potential VOC-impacted soils and asbestos-impacted soils within the western panhandle of the site.

In parallel, additional trial pits were advanced to support geotechnical assessment of the platform and to undertake cement stabilisation trials. These works provided baseline data on the behaviour of the granular soils and the suitability of stabilisation methods to improve engineering performance and provide a suitable VE option with the data available.

2.2 Encountered Ground Conditions

The ground conditions encountered during the remediation and bulk earthworks departed significantly from those anticipated at tender stage.

While the Phase 1 and Phase 2 investigations undertaken by RPS, supplemented by the Gap SI Technical Note, had confirmed the presence of Made Ground, relict structures and occasional obstructions, the scale and depth of relicts proved to be far in excess of expectations once full excavation commenced.

Across the Site, extensive relict foundations, walls, brick arch structures, culverts and kiln remains were frequently exposed below the nominal -2.0m C&R contractual excavation boundary. These unforeseen obstructions were present in multiple locations, in some cases extending to depths in excess of 5.5m bGL. Their removal was undertaken in agreement with Bansco, supported by regular inspections and technical input from BWB and Stantec. Each removal represented instructed additional works and was tracked by way of CVIs.

The excavation and removal of these relict structures frequently exposed large voids within the ground profile. These voids, often infilled with loose or unsuitable materials, required full excavation to competent glacial till and subsequent re-engineering in accordance with the Specification for Highway Works Series 600. The process generated significant volumes of oversize arisings, primarily categorised as U1 under the WRAP Protocol, which required crushing and processing to 6F2 or MOT aggregate for reuse. This led to a substantial increase in oversize recovery compared with the initial remediation strategy.

As a direct consequence, the balance of soils on site was heavily affected. The excavation of deep relict structures and associated voids resulted in a material shortfall, with the recovered volumes of re-usable Class 1C and 2C fills falling well below the quantities forecast. To maintain programme and platform levels, borrowing and importation of suitable natural fill was required, with these activities recorded in the Weekly Environmental Reports.

2.3 Schedule of Additional Works

The table below summarises the principal unforeseen obstructions and associated additional works

encountered across the site. Each item is derived from contemporaneous records in the Weekly Environmental Reports and accompanying CVIs.

Table 1 – Schedule of Additional Works					
Week	**Location**	**Obstruction / Relict Structure**	**Depth (bGL)**	**Extent**	**Impact on Works**
03 (09–13/06/25)	Unit 3 (south)	Culvert (unforeseen)	-2.5m to -3.7m	Approx. 8m length exposed and removed	Required dewatering and full excavation to competent till; re-engineered in layers.
04 (16–20/06/25)	Unit 3 (south)	Second culvert	-2.5m to -4.0m	>10m length, brick-lined	Generated oversize; delayed re-engineering; reinstated under SHW 600.
04 (16–20/06/25)	Unit 4 (east)	Deep relict foundations & obstructions	-2.2m to -5.0m	Multiple isolated pads and walls	Large voids created; additional oversize; soil deficit begins to develop.
05 (23–27/06/25)	Unit 4 (east/central)	Brick arch structure (kiln-like)	-3.0m to -5.5m	Arches extending laterally across ~12m	Significant voids; temporary works; oversize to U1; major shortfall of fill.
05 (23–27/06/25)	Unit 4 (central)	Voids beneath arches	To -5.5m	Localised 2–3m³ voids	Required complete excavation and backfill; delayed foundation prep.
06–07 (30/06–11/07/25)	Unit 4 (central/east)	Further relict masonry and kiln structures	>5.0m	Multiple brick features	Ongoing oversize recovery; extensive shortfall of re-usable soils.
10 (28/07–01/08/25)	Car park (north-east)	Relict obstructions	-2.0m to -3.5m	Scattered	Shortfall acute; import of natural fill commenced.
11–12 (04–15/08/25)	Unit 2 & car park	Culvert extensions / relict walls	-2.5m to -4.0m	Localised	Drainage sequencing affected; more oversize recovered; imported fills placed.
13–15 (18/08–05/09/25)	Unit 1 & Unit 2	Multiple relict structures, culvert extensions, voids	-2.0m to -4.5m	Widespread across footprints	Obstruction removal required; delayed drainage and substation foundation install.
13–15 (18/08–05/09/25)	Unit 4 (south)	Attenuation tank area – relict obstructions	To -3.5m	Localised	Required excavation and removal prior to installation; shortfall increased.
16 (08–12/09/25)	Car park & Unit 1	Ongoing remediation & void infill	-2.0m to -3.0m	Ongoing	Continued oversize generation; imports required to maintain balance.

3.0 Specification

3.1 Initial Specification

The original remediation and enabling strategy was presented within C&Rs Contractors Proposal & Remediation Strategy Implementation Plan. The approach comprised excavation of unsuitable Made Ground, re-engineering of site-won materials, dynamic compaction at formation levels, cement stabilisation of the top 350mm of material, and the placement of a stone capping layer to provide a suitable bearing platform and protect against shear stresses. This methodology was advanced as a value-engineering option, enabling the adoption of shallow foundations and the removal of piling from the scheme.

3.2 Strategy Variation on Assessment of Bulk Site Condition

As the works progressed and a full assessment of the ground conditions was undertaken in real time, it was determined that the cement stabilisation and dynamic compaction elements were no longer required. This conclusion reflected the fact that:

- All relict obstructions and foundations were removed down to competent Glacial Till;
- The re-engineering of Made Ground performed significantly better than anticipated, producing uniform and competent platforms with standard earthworks practices;
- The overall ground risk profile reduced as a direct result of the extent of removals; and,
- An increased supply of recycled stone had to be used within the earthworks profile, effectively allowing for enhanced capping, thereby improving platform strength.

The adequacy of the prepared formation was verified by plate load testing, which demonstrated that the design strength & settlement requirements have been met. On this basis, the revised approach was accepted, and the platforms have been validated as suitable for a shallow foundation solution.

4.0 Site Work

4.1 Relict Borehole Well Decommissioning

As part of the remediation and enabling works, the decommissioning of legacy monitoring wells from the previous Phase 2 Site Investigation was required. This was undertaken in accordance with Environment Agency guidance to prevent preferential pathways and to allow platform preparation.

During the supplementary trial pitting works, the legacy well WS05 was inadvertently damaged and was subsequently removed in its entirety.

In addition, wells WS07, WS04 and WS02b were formally decommissioned on 23rd May 2025 using a 2:1 bentonite-cement grout placed by tremie, with surface reinstatement carried out upon completion.

Despite extensive searching during excavation and platform preparation, the remaining legacy wells could not be located due to the condition of the site post demolition works. No open or unsealed casings were observed during the enabling works for an opportunistic decommissioning exercise.

4.2 Hardstanding, Relict Slab and Foundation Removal

The existing hardstanding, relict slabs and foundations were systematically broken out and removed across the Site. Works were undertaken sequentially, with breaks in activity introduced to manage potential disturbance to nearby receptors from noise, vibration and dust. All activities were carried out in accordance with the agreed CEMP and monitored through the weekly environmental reporting setup.

The arisings were transferred to designated stockpile areas and processed in line with the WRAP Protocol. Concrete and asphalt were crushed to produce a recycled Type 1 aggregate, while mixed arisings comprising concrete, brick, mortar and asphalt were crushed to a recycled 6F2 aggregate. Stockpiles were maintained separately to avoid cross-contamination and to ensure that material specifications were preserved for subsequent reuse.

In addition, the granular aggregate underlying the existing slabs was recovered, stockpiled and processed for reuse. This approach maximised the retention of site-won materials, reduced off-site disposal, and limited the requirement for imported aggregates, consistent with the declared Materials Management Plan.

4.3 Hotspot Removal

A number of localised hotspots were identified across the Site during the course of the investigations undertaken by RPS (2022) and C&R (2025). The identified hotspots comprise the following:

- Hydrocarbon hotspot at TP07: identified during the C&R Gap SI (June 2025) as containing hydrocarbon-impacted soils requiring removal and validation;
- VOC hotspot (RPS Phase 2 SI): identified in the RPS Phase 2 Site Investigation (August 2022) as an area of elevated volatile organic compounds;
- Additional VOC hotspot (RSIP / Gap SI): identified in the RSIP and confirmed by C&R supplementary investigation as an additional localised area of VOC impact;
- Asbestos hotspot (western panhandle): identified through RSIP and Gap SI as an area of asbestos-impacted soils requiring controlled excavation.

A summary of the actions undertaken on each hotspot is presented below.

Hydrocarbon Hotspot – TP07 (HS4)

Excavation of the TP07 hotspot (Hotspot 4) was carried out in Week 08 (14–18th July 2025) under a

formal watching brief by a C&R Geoenvironmental Engineer. The impacted soils were stripped and quarantined, with removal continuing until no further visual or olfactory evidence of hydrocarbons was observed in the excavation. The works were undertaken in accordance with the RSIP and Materials Management Plan, ensuring that all arisings were handled, segregated and disposed of appropriately.

Confirmatory validation samples were collected from the base and margins of the excavation immediately following the removal works. These samples were submitted for laboratory analysis to assess compliance against the remedial target criteria defined within the RSIP. The excavation remained open until the initial results confirmed the absence of exceedances.

Sample results and assessments (presented in Weekly Environmental Report 12, 28th July to 31st August 2025) confirmed that all validation samples returned results below the agreed assessment criteria, thereby verifying that the hotspot had been fully remediated. On this basis, the TP07 hydrocarbon hotspot was formally signed off as clean and suitable for reuse within the development platform.

Validation sample results are presented in Appendix D.

The material in quarantine was disposed off site as hazardous waste. Hazardous waste consignment notes are presented in Appendix G.

Asbestos Containing Materials Area

During the Gap Site Investigation, patches of cement-bound chrysotile sheeting were observed within the Made Ground in the western panhandle of the Site. This area was designated within the RSIP for targeted excavation under a formal watching brief.

Excavation was undertaken under the supervision of C&Rs Geoenvironmental Engineer. The works proceeded carefully with all arisings inspected for evidence of asbestos-containing materials. No discrete ACM fragments were identified during excavation, and the material noted during the investigation was not replicated in bulk within the soil matrix. This indicates that the material is highly sporadic in presence.

Verification samples of the underlying and surrounding soils were taken and submitted for laboratory analysis. All results confirmed compliance with the agreed reuse specification, and no asbestos fibres were detected above screening thresholds. On this basis, the area was validated as suitable for reuse and no further remedial action is required.

Validation sample results are presented in Appendix D.

VOC Hotspots At TP09 & WS02a (HS6 & 7)

HS6 and HS7 were excavated on 19th September 2025 under full geoenvironmental supervision. The works targeted potential VOC-impacted soils identified during the Phase 2 intrusive investigation.

No visual or olfactory indicators of impact were observed during excavation, and no free product, staining or discoloured soils were encountered. Validation samples were collected from the excavation faces and base and submitted for laboratory analysis. The analytical results, presented in Appendix D, confirmed that VOC concentrations were below the agreed acceptance criteria and that the hotspot extents had been adequately delineated.

Arisings were tested as QP2 and confirmed that they were within the site guidelines for reuse.

4.4 Unanticipated Contamination

Targeted hotspot excavations of unanticipated contamination were undertaken across the City Works 4 site in accordance with the approved Remediation Strategy and RSIP. These works focused on three delineated hydrocarbon hotspots (HS1, HS2, and HS3) identified during the bulk earthworks exercise.

Hotspot 1, 2 & 3 – Long Chain Hydrocarbons

HS1 was excavated on 16 July 2025 under geoenvironmental supervision. Validation samples were taken from the excavation faces and base, with subsequent chemical analysis confirming the hotspot was adequately delineated and that soils retained for reuse met the agreed acceptance criteria. Impacted materials were removed to stockpile and unsuitable fractions were quarantined, subsequently being disposed off site as hazardous waste.

HS2 and HS3 were both excavated during the period 11–15 July 2025 (Week 12). Validation samples were collected from all excavation faces and the base on 11 July 2025, and submitted for laboratory analysis. Results from the analysis met the reuse criteria; delineation showed impacts were of limited lateral mobility.

Hotspot 5 – Relict Heating Tank

During Week 13 (18–22 August 2025), an additional relict heating tank was encountered south of Unit 4 containing long chain, viscous hydrocarbons. This tank and associated impacted soils were quarantined under geoenvironmental supervision, delineated through validation sampling, and subsequently scheduled for disposal off site as hazardous waste. The low mobility of the hydrocarbons meant soil impact was restricted to a non-significant volume, allowing rapid completion of the hotspot works without affecting the wider remediation programme.

General Material Screen Failures

During the validation phase, a small number of screening failures were reported in the Weekly Environmental Reports. These related to marginal exceedances against the conservative screening values applied under the RSIP. Each instance was fully assessed and shown not to represent a material risk to the site end-use, nor to compromise the agreed remediation objectives.

In Week 08, samples CL/F/1/3 (3.00 m bGL) and CL/F/1/4 (3.80 m bGL) returned Total Petroleum Hydrocarbon (TPH) concentrations of 698 mg/kg and 665 mg/kg respectively, slightly above the conservative reuse screening criterion of 500 mg/kg. These failures were assessed in detail within the WER, with the following conclusions recorded:

- The reported values remained well below the Category 4 Screening Levels (C4SLs) for a commercial land-use scenario, which represent the risk-based benchmark adopted by the regulators;
- The elevated fractions were confirmed to be long-chain aliphatics, characterised by low mobility, low solubility, and negligible vapour generation potential, meaning they do not present a credible migration or inhalation pathway;
- The impacted soils were discrete to depth, with no evidence of lateral mobility or spreading within the excavation, as validated by surrounding clean samples;
- The area where this material is placed is below hardstanding and outside of infrastructure service runs; and,
- The RSIP explicitly recognises that screening failures in isolation do not automatically trigger disposal, provided a risk-based argument and confirmatory evidence demonstrate suitability for reuse. In this case, lines of evidence demonstrate the exceedances to be acceptable rather than indicative of a significant residual risk.

Accordingly, the soils were permitted for reuse in accordance with the remediation strategy, with full traceability and reporting. The exceedances were documented to show transparency in the validation process, but no further action was required.

4.5 Turnover to Base of Excavation

Excavations were progressed systematically to the base of dig, ensuring all relict obstructions and deleterious materials were fully removed under geoenvironmental supervision. The exposed soils were subsequently worked with a riddle bucket to screen and segregate arisings, with oversized U1 fractions (brickwork, concrete and hardstanding fragments) isolated from the finer general fill materials. This process enabled the clear separation of suitable Class 1C/2C materials for re-engineering from the oversized U1 arisings, which were stockpiled for processing into recycled aggregate.

Excavation depths were advanced until competent natural till was encountered across the base of dig

in the unit areas, or until 2m bGL elsewhere where there was no clashes with future infrastructure. The till horizon was confirmed through visual inspection, logging and geotechnical verification, providing a competent formation to receive re-engineered backfill in accordance with the Specification for Highway Works Series 600 and the agreed Inspection and Test Plan.

The completion of turnover to the base of dig ensured that all unsuitable relics were removed from the development footprint, with only clean, verified and appropriately segregated materials retained for reuse in the subsequent re-engineering works.

4.6 Reengineering of Material

All suitable site-won materials were re-engineered in accordance with the Specification for Highway Works Series 600. Following turnover to the base of dig and the removal of relict obstructions, general fill was screened to segregate Class U1 oversized arisings from Class 1C/2C general fills. The latter were retained for re-use and placed in controlled layers across the excavation footprint. In parallel, Class U1 hardstanding and concrete arisings were crushed to produce a 6F2 aggregate, and recovered Type 1 MOT was introduced where necessary to make up shortfall volumes and achieve final formation levels.

Placement and compaction of 1C/2C general fills, 6F2, and MOT were carried out in accordance with the agreed Inspection and Test Plan. Layer thickness, compaction plant methodology, and moisture conditioning were determined to achieve the target specification. In-situ verification was undertaken by C&R in the form of shear vane, mexeprobe, and density testing, with results consistently demonstrating compliance with or exceeding the minimum requirements of SHW S600.

The re-engineered soils, recycled 6F2 aggregate, and imported MOT Type 1 have all been certified as suitable for re-use, providing a stable and competent platform for subsequent phases of development.

The compaction schedule is presented in Table 3.

Table 2 – Compaction Schedule

Roller	Drum Width (mm)	Roller Operating Weight (Kg)	Static Linear Load (kN/m)	Material	Layer Thickness	Passes
Hamm HC130i	2140	13145	35.6	1C	250	8
				2C	250	8
				6F2	250	8
				MOT	250	8
ARX26-2	1200	2710	10.5	1C	150	8
				2C	150	8

				6F2	150	8
				MOT	150	8

4.7 Disposal, Import and Site Balance

The remediation and earthworks generated a net shortfall of soils, largely as a result of the removal of below-ground obstructions including culverts, chambers and relict foundations. Excavation of these structures created significant voids, reducing the available balance of in-situ soils.

Where practicable, culvert and obstruction arisings were processed on site: oversized concrete, brickwork and hardstanding were crushed to produce a 6F2 aggregate. This recycled 6F2 was then reused within the earthworks to make up levels in the platform build, providing bulk fill and structural stability prior to the placement of capping layers. Screening of Made Ground further allowed Class 1C/2C fills to be recovered for controlled reuse.

Despite maximising recovery, the void volume associated with culvert removal and general obstructions still exceeded the capacity of site-won materials to reinstate levels. The residual shortfall was addressed through the controlled import of clean, validated soils. All imports were subject to compliance checks and verification testing in line with SHW Series 600 and the RSIP.

The final site balance therefore comprised three complementary streams:

- Disposal of unsuitable or contaminated arisings to licensed facilities;
- Re-use of recovered Class 1C/2C fills and recycled 6F2 from culvert and obstruction crushing;
- Import of certified fills to address residual shortfall.

This combined approach ensured waste arisings were minimised, engineering performance was maintained, and the site was reinstated to formation level in full compliance with the Remediation Strategy, RSIP and SHW Series 600.

4.8 Finished Site

The finished site is as per the Design Details and As Built records, with works completed in accordance with the Remediation Strategy Implementation Plan and Instructed Additional Works details. It is noted that reused materials are compliant with the current regulations, Remediation Strategy Site Guideline Values and the Contract Specification.

5.0 Cut and Fill Volumes

Cut and fill volumes from the MMP are presented below in Table 4 and revised to reflect the site works.

The initial cut and fill model for the Site was prepared by Hydrock (now Stantec) as part of the

Remediation Strategy and Verification Plan (ref. 22975-HYD-XX-XX-RP-GE-5001, January 2025). This assessment indicated a significant bulk surplus, with an anticipated 6,372m³ of surplus arisings and 745m³ of fill required.

Following supplementary trial pitting, re-measurement, and refinement of the reuse strategy by Civil and Remediation Ltd., these volumes were revised to reflect actual site conditions and development levels. The updated balance, upon which the Materials Management Plan (MMP) was declared, anticipated a surplus of 326m³ and a fill requirement of 1,596m³ of soil materials.

During execution of the works, the encountered ground conditions diverged considerably from these forecasts. The discovery and removal of extensive relict obstructions, voids and oversize materials resulted in a substantial soil shortfall, while simultaneously increasing the proportion of material requiring processing as U1 oversize for crushing and reuse.

This shortfall was overcome through a combination of three measures:

- Lowering formation levels to optimise site balance;
- Importation of naturally occurring fills for the car park areas; and,
- Re-use of surplus site-won 6F2 aggregate within the earthworks zone in accordance with the WRAP Protocol.

These adjustments ensured that the platform levels could be achieved and that the works remained in compliance with the declared MMP, although an increase in the anticipated volume of materials reused was recorded due to the additional excavation depth. It is noted that recycling of oversized hardstanding materials progressed under the WRAP protocol and the volume of site won reused soils is in the region of circa 5,000m³.

Table 3 – Cut and Fill Volumes

Item	Volume (m³)
Hydrock/ Stantec Cut	7,117
Hydrock/ Stantec Fill	745
Initial cut in accordance with the Contract at Tender Stage (following remeasure)	1,992
Initial fill in accordance with the Contract at Tender Stage (following remeasure)	1,596
Volume declared	9,212
Actual cut	19,782
Actual fill	18,224
Volume of aggregate produced under WRAP	9,847
Volume of aggregate reused under WRAP	9,847
Material imported to site	1,982

6.0 Testing

6.1 Testing Summary

A comprehensive programme of validation and compliance testing was undertaken throughout the

remediation and earthworks in accordance with the Remediation Strategy Implementation Plan (RSIP), the agreed Inspection and Test Plan (ITP), and the Specification for Highway Works Series 600 (SHW S600).

Chemical validation testing was carried out on materials designated for re-use to confirm compliance with the agreed acceptance criteria for human health, controlled waters and end-use suitability. Determinands included metals, hydrocarbons, PAHs, asbestos, and other relevant contaminants of concern identified during the site investigation stage and within the Remediation Strategy. Where marginal exceedances were recorded, these were fully assessed within the Weekly Environmental Reports, with risk-based justification provided where materials were deemed acceptable for reuse.

Geotechnical testing was undertaken in parallel to demonstrate compliance with engineering requirements. This comprised routine in-situ verification using shear vane testing, mexeprobe assessments and density/moisture testing across placed layers. These results consistently demonstrated that the re-engineered materials met or exceeded the target compaction and strength criteria set out in SHW S600.

All imported soils were subject to certification review and validation testing to confirm they met the import criteria established in the RSIP. This included compliance with chemical quality standards and geotechnical performance requirements prior to placement.

Table 4 – Summary of Testing

Material/ location	Test Type	Number of Tests
Geotechnical laboratory testing		
General Fill	Grading	7
	Moisture Content	7
	Optimum Moisture Content	4
	Atterberg Limits	N/A
Aggregate	Grading	11
	Moisture Content	14
	Optimum Moisture Content	7
Imported Fills	Grading	2
	Moisture Content	1
	Optimum Moisture Content	1
	Atterberg Limits	2

In *Situ* Geotechnical Testing		
Engineered Up Layers	Nuclear Density	17
Underside of foundation	Plate Load	7
Underside of slab	Plate Load	7
Chemical testing		
General Fill	CLEA metals, Chromium VI, Chromium III, Beryllium, Boron, Vanadium, Zinc, Copper, Free Cyanide, Total Phenols, PAH-16/MS, TPH CWG, VOCs, Asbestos Screen, Asbestos quantification (if present).	10
Imported Fills	CLEA metals, Chromium VI, Chromium III, Beryllium, Boron, Vanadium, Zinc, Copper, Free Cyanide, Total Phenols, PAH-16/MS, TPH CWG, VOCs, Asbestos Screen, Asbestos quantification (if present).	4
6F2	CLEA metals, Chromium VI, Chromium III, Beryllium, Boron, Vanadium, Zinc, Copper, Free Cyanide, Total Phenols, PAH-16/MS, TPH CWG, VOCs, Asbestos Screen, Asbestos quantification (if present).	6
MOT	CLEA metals, Chromium VI, Chromium III, Beryllium, Boron, Vanadium, Zinc, Copper, Free Cyanide, Total Phenols, PAH-16/MS, TPH CWG, VOCs, Asbestos Screen, Asbestos quantification (if present).	4
Hotspots	As required (determinand of concern)	38
Quarantine	Full testing suite	2

6.2 Testing Nomenclature and Guidance

The non-exhaustive list below highlights the general nomenclature in relation to the sample names, for reference to the chemical results in Appendix D and understanding of the site works:

- CL – chemical soil sample;
- GT – geotechnical sample;
- F – fill material sample;
- 6F2 – 6F2 sample;
- MOT – MOT sample;
- IF – imported fill sample
- HS – hotspot sample.

7.0 Conclusion

Civil and Remediation Ltd. have successfully completed the remediation and earthworks at City Works 4 in accordance with the approved Remediation Strategy Implementation Plan (RSIP), the Specification for Highway Works Series 600 (SHW S600), the Contract, and all Instructed Additional Works. The works have addressed the complex and unforeseen ground conditions encountered on site, including the excavation and removal of extensive relict obstructions, culverts and voids, and the management of associated contaminated soils.

All unsuitable and contaminated arisings were segregated and either processed for reuse (e.g.

crushing of culvert and concrete arisings to 6F2) or disposed of off-site to licensed facilities. Where voids and shortfalls of soils arose due to obstruction removal, these were compensated through a balanced approach of maximising reuse of site-won Class 1C/2C fills, reintroducing recycled 6F2 aggregate within the earthworks profile, and importing validated natural fills and MOT aggregate to achieve final formation levels.

Validation testing of both site-won and imported materials has confirmed compliance with the chemical and geotechnical criteria agreed within the RSIP. In-situ verification (shear vane, mexeprobe, density and plate load testing) consistently demonstrated that the re-engineered platforms met or exceeded the performance requirements of SHW S600. All reported contaminant exceedances were assessed in detail, with risk-based justification confirming they did not present an unacceptable risk to human health, controlled waters, or the proposed end use.

On this basis, the prepared formation and re-engineered platforms are validated as suitable for their intended purpose, providing a stable, competent and compliant development platform for the subsequent construction of the four commercial warehouse units. The works have been delivered transparently and agreed progressively through regular Weekly Environmental Reports and supporting appendices, and are considered to have fully satisfied the requirements of the Client, regulators, and planning conditions.

End of Report

APPENDIX A – Planning Decision Notice

MANCHESTER CITY COUNCIL

Important – Planning permission & notices of consent

Compliance with conditions

- Your planning approval or consent is attached. It will contain conditions that you must comply with.
- Please read the conditions and understand their requirements and restrictions, for example submission and approval of details or measures to protect trees.
- Some conditions will require action before you start development and it is imperative that you seek to have these discharged before any work commences.
- Whilst every effort has been made to group conditions logically, it is your responsibility to ensure that you are aware of the requirements and/or restrictions of all conditions.
- If you fail to comply with the conditions this may result in a breach of planning control and this may lead to enforcement action.
- Failure to comply with conditions may also result in the development not being lawful.
- It is in your interests to demonstrate that conditions have been complied with. Failure to do so may cause difficulties if the property is sold or transferred.
- A fee is payable for each request to discharge conditions.
- For advice on any of these matters, please contact Planning, Manchester City Council, PO Box 532, Town Hall, Manchester M60 2LA or email planning@manchester.gov.uk

MANCHESTER CITY COUNCIL

Town & Country Planning Act 1990 (as amended)

Planning Permission

Applicant

Mr Joe Burnett
Network Space
Centrix House
Crow Lane East
Newton Le Willows
WA12 9UY

Agent (if used)

Patrick Stone
Spawforths
Junction 41 Business Court
East Ardsley
Leeds
WF3 2AB

Part 1 – Particulars of the application/development

Proposal: Erection of 4no. two storey industrial buildings (Classes E(g)(ii)(iii), B2 and B8) following the demolition of existing buildings together with associated service yards, car parking, electric vehicle charging points, amended site access, refuse storage facilities, substations, boundary treatments, landscaping, and associated works and infrastructure

Location: Land At Welcomb Street, Manchester

Date of application: 4 June 2024

Application number: 139997/FO/2024

Part 2 – Particulars of decision

Manchester City Council gives notice that the development referred to in Part 1 has been **Approved** in accordance with the application and plans submitted subject to the condition(s) listed below (if any).

Article 35 Declaration

Condition(s) attached to this decision

0) Officers have worked with the applicant in a positive and proactive manner based on seeking solutions to problems arising in relation to dealing with the planning application. Officers worked in a positive and proactive manner with the applicant to deliver an acceptable scheme, in particular in relation to issues in connection with the location of a potential culvert on site and landscaping. The revised proposal is considered to be in accordance with City Council policy and appropriate conditions are attached.

1) The development must be begun not later than the expiration of three years beginning with the date of this permission.

Reason - Required to be imposed pursuant to Section 91 of the Town and Country Planning Act 1990.

2) The development hereby approved shall be carried out in accordance with the following drawings and documents:

Unit One proposed floorplans plan ref: 12481-AEW-B1-00-DR-A-0601 rev. P02
Unit One elevations plan ref: 12481-AEW-B1-XX-DR-A-0602 rev. P02
Unit One proposed sections plan ref:12481- AEW-B1-XX-DR-A-0603 rev. P02
Unit One proposed roof plan ref: 12481-AEW-B1-RF-DR-A-0604 rev. P02

Unit Two proposed floorplans plan ref: 12481-AEW-B2-00-DR-A-0621 rev. P02
Unit Two elevations plan ref: 12481-AEW-B2-XX-DR-A-0622 rev. P02
Unit Two proposed sections plan ref: 12481-AEW-B2-XX-DR-A-0623 rev. P02
Unit Two proposed roof plan ref: 12481-AEW-B2-RF-DR-A-0624 rev. P02

Unit Three proposed floorplans plan ref: 12481-AEW-B3-00-DR-A-0641 rev. P02
Unit Three elevations plan ref: 12481-AEW-B3-XX-DR-A-0642 rev. P02
Unit Three proposed sections plan ref: 12481-AEW-B3-XX-DR-A-0643 rev. P02
Unit Three proposed roof plan ref: 12481-AEW-B3-RF-DR-A-0644 rev. P02

Unit Four proposed floorplans plan ref: 12481-AEW-B4-00-DR-A-0661 rev. P02
Unit Four elevations plan ref: 12481-AEW-B4-XX-DR-A-0662 rev. P02
Unit Four proposed sections plan ref: 12481-AEW-B4-XX-DR-A-0663 rev. P02
Unit Four proposed roof plan ref: 12481-AEW-B4-RF-DR-A-0664 rev. P02

Proposed site sections and street scene plan ref: 12481-AEW-XX-XX-DR-A-0506 rev. P06

Planning Support Statement ref: P4506-SPA-RP-TP-001 rev. D - Spawforths (as revised by email from planning agent dated 14.11.2024)
Design & Access Statement ref: 12481-AEW-XX-XX-RP-A-0004-P06 dated May 2024
Framework Travel Plan ref: 22975-HYD-XX-XX-RP-TP-6001-P08 dated 2 May 2024 - Hydrock
Transport Assessment ref: 22975-HYD-XX-XX-RP-TP-5001-P08 dated 2 May 2024 - Hydrock (based on floorspace proposed and not number of units referenced)

Drainage Strategy ref: 22975-HYD-XX-XX-RP-C-0500 rev. P04 dated 2 May 2024
Phase 1 Preliminary Geo- Environmental and Geotechnical Risk Assessment ref: JER9536 version.1 dated 31 May 2024
Detailed Desk Study (Stage 2) for potential UXO contamination ref: EES1361 R-02-00 Dated 19th May 2022
Flood Risk Assessment ref: HLEF83419 v1 dated September 2022
Energy and Sustainability Statement ref: 3935 dated 26.04.2024 - Hannan Associates
Existing Utility Services Report dated 20.05.2022 - Hannan Associates
Noise Impact Assessment Ref: R2090-REP01F-JW - Red Acoustics
BREEAM 2018 HEA05 Design Assessment - Shell only ref: R2090-REP02 REV. E-JW dated 2 May 2024 - Red Acoustics
Security Needs Assessment ref: GLS05-GS-SY-ZZ-RP-Y-0001-S4 rev.A - Graphite Security
Extended Phase 1 Habitat Survey (Preliminary Ecology Appraisal) Version 1 dated 29.04.2024
Dusk Emergence and Dawn Re-Entry Bat surveys ref: RT-MME-158308
Preliminary Bat Roost Assessment ref: RT-MME-157730-04 dated June 2022

Preliminary Arboricultural Assessment ref: RT-MME-157730-01 May 2022 - Middlemarch
Arboricultural Impact Assessment ref: RT-MME-157730-02 October 2022- Middlemarch (as revised by Landscape Proposals plan ref: 4198-01 Rev G).

Received 13th May 2024

Email from planning agent dated 20th June 2024 clarifying land ownership

Agent email dated 29.07.2024 in respect of boundary treatment
Email titled 'Hydrock 22975-HIGH' - Correspondence between consultant and UU to show that their concerns relating to easement have been satisfied and all matters are resolved.
Email titled 'T Fox Email 16/04/2024 - Correspondence to demonstrates that the watercourse the LLFA are referring to is proven to not be within the Site
Received 29th July 2024

Highways Technical Design Note (Reference. 22975-HYD-XX-XX-RP-TP-1001-P01)
Landscape Proposals plan ref: 4198-01 Rev G
Assessment of Biodiversity Net Gain BNG (Reference. Version 2) dated 22.08.2024
Received 23rd August 2024

Hydrock LLFA Response Drainage Technical Note (Reference. 22975-HYD-XX-XX-TN-002)
Received 23rd August 2024

The Statutory Biodiversity Metric Calculation Tool Spreadsheet and condition sheet relating to individual trees.
Received 27th August 2024

Existing Site plan (edged red) plan ref: 12481-AEW-XX-XX-DR-A-502 rev.P05 received 28th August 2024

City Works Lost Watercourse Assessment and Topographical and Underground Utility survey plan ref:UAR318_A sheet 2 of 2 received 16th October .2024

Photo Logs; Borehole Logs; Borehole Locations Drawing (Ref 22975-HYD-XX-XX-DR-GE-0002 P01) in connection with culvert investigations.
Received 5th November 2024

Bat Survey Report dated 31.7.2024 received 15th November 2024

Proposed boundary treatments plan ref. 12481-AEW-XX-XX-DR- A-0508 rev.P11
Bird and Bat Box plan ref: 12481-AEW-XX-XX-DR-A-0507 rev. P08
External works plan ref: 12481-AEW-XX-XX-DR-A-0504 rev. P13
Proposed site plan ref: 12481-AEW-XX-XX-DR-A-0503 rev. P17
Received 19th November 2024

Agent email dated 21.11.2024 (08:25) confirming the implementation of sustainability measures.

Reason - To ensure that the development is carried out in accordance with the approved plans, pursuant to policies SP1 and DM1 of the Manchester Core Strategy (2012).

3) Prior to the commencement of the development, a detailed construction management plan outlining working practices during development shall be submitted to and approved in writing by the local planning authority, which for the avoidance of doubt should include;

- The routing of construction traffic;
- Detail the quantification/classification of vehicular activity associated with the construction
including commentary on types and frequency of vehicular demands together with evidence (appropriate swept-path assessment);
- Details of the location and arrangements for contractor parking;
- The identification of the vehicular access points into the site for all construction traffic, staff vehicles and Heavy Goods Vehicles;
- Identify measures to control dust and mud including on the surrounding public highway including: details of how the wheels of contractor's vehicles are to be cleaned during the construction period;
- Specify the working hours for the site;
- The details of an emergency telephone contact number for the site contractor to be displayed in a publicly accessible location on the site from the commencement of development until construction works are complete;
- Identify advisory routes to and from the site for staff and HGVs;
- A highway dilapidation survey including photographs and commentary on the condition of
carriageway / footways on construction vehicle routes surrounding the site

Development shall be carried out in accordance with the approved construction management plan.

Reason - To safeguard the amenities of nearby residents and highway safety pursuant to policies SP1, EN9, EN19 and DM1 of the Manchester Core Strategy (2012).

4) Notwithstanding the materials annotated on plans referenced in condition no.2 prior to above ground works, samples and specifications of all materials to be used on all external elevations of the development shall be submitted to and approved in writing by the City Council as local planning authority. The development shall be carried out in accordance with the agreed details.

Reason -To ensure that the appearance of the development is acceptable to the City Council as local planning authority in the interests of the visual amenity of the area within which the site is located, pursuant to policies SP1 and DM1 of the Manchester Core Strategy (2012).

5) a) The development hereby approved shall be implemented in accordance with the measures in the Phase 1 Preliminary Risk Assessment (RPS, JER9535, 26 May 2024).

b) Before the development hereby approved commences, a scheme for the investigation of the site and the identification of remediation measures (the Site

Investigation Proposal) shall be submitted to and approved in writing by the City Council as local planning authority.

The measures for investigating the site identified in the Site Investigation Proposal shall be carried out before development commences and a report prepared outlining what measures, if any, are required to remediate the land (the Site Investigation Report and/or Remediation Strategy) which shall be submitted to and approved in writing by the City Council as local planning authority.

c) Prior to the first use/occupation of the development, a Completion/Verification Report shall be submitted to and approved in writing by the City Council as local planning authority, to validate that the development conforms with the approved Site Investigation Report and/or Remediation Strategy.

d)In the event of any non-conformity with the approved Site Investigation Report and/or Remediation Strategy, then any further measures that are required to remediate the land shall be carried out. Any required measures/remediation and validation shall continue until conformity has been achieved and agreed in writing by the City Council as local planning authority, prior to first use/occupation of the development.

Reason - To ensure that the presence of or the potential for any contaminated land and/or groundwater is detected and appropriate remedial action is taken in the interests of public safety, pursuant to policies DM1 and EN18 of the Manchester Core Strategy (2012).

6) Prior to commencement of any above ground works, full detailed designs (including specifications, and review of any existing TRO's) of all highways works (including off-site), shall be submitted to and approved in writing by the City Council as local planning authority. The development shall be implemented in accordance with the approved details, prior to the first unit being occupied.

Reason - In the interests of highway safety, pursuant to policy T1 of the Manchester Core Strategy (2012).

7) a) Before the development hereby approved is first occupied, a Full Travel Plan shall be submitted to and agreed in writing by the City Council as Local Planning Authority. In this condition a Travel Plan means a document which includes:

i) the measures proposed to be taken to reduce dependency on the private car by those attending or employed in the development

ii) a commitment to surveying the travel patterns of staff during the first three months of use of the development and thereafter from time to time

iii) mechanisms for the implementation of the measures to reduce dependency on the private car

iv) measures for the delivery of specified travel plan services

v) measures to monitor and review the effectiveness of the Travel Plan in achieving the objective of reducing dependency on the private car

b) Within six months of the first occupation of the development (or an alternative timescale to be agreed in writing with the Local Planning Authority), a revised Travel Plan, which takes into account the information about travel patterns gathered pursuant to item (ii) above, shall be submitted to and approved in writing by the City Council as local planning authority for the development. Any Travel Plan which has been approved by the City Council as local planning authority shall be implemented in full for the development at all times when the development hereby approved is in use.

Reason - To assist promoting the use of sustainable forms of travel to the development, pursuant to policies SP1, T2 and DM1 of the Manchester Core Strategy (2012) and the Guide to Development in Manchester SPD (2007).

8) a) Electric vehicle charging points shall be implemented in the locations shown on Proposed site plan ref: 12481-AEW-XX-XX-DR-A-0503 rev. P17.

b) Prior to occupation of the development, the electric vehicle charging points shall be implemented and verified as such in writing by the City Council as local planning authority and shall remain in situ whilst the use or development is in operation.

Reason - To secure a reduction in air pollution from traffic or other sources in order to protect existing and future residents from air pollution, pursuant to policies EN16, SP1 and DM1 of the Manchester Core Strategy (2012).

9) The car parking indicated on the approved Proposed site plan ref: 12481-AEW-XX-XX-DR-A-0503 rev. P17, shall be surfaced, demarcated and made available for use prior to the units, hereby approved being occupied. The car parking shall then be available at all times whilst the units are occupied.

Reason - To ensure that there is adequate car parking for the development proposed when the building is occupied, pursuant to Policies T2, SP1 and DM1 of the Manchester Core Strategy (2012).

10) The cycle storage facilities shall be implemented in accordance with the detail as shown on plan ref: 12481-AEW-SI-XX-DR-A-0069 REV.P02 in the Highways Technical Design Note received 23rd August 2024, prior to the proposed units being brought into use, and be retained thereafter.

Reason - To ensure that adequate provision is made for bicycle parking so that persons occupying or visiting the development have a range of options in relation to mode of transport in order to comply with Policies SP1, T1, T2, EN6 and DM1 of the Manchester Core Strategy (2012) and the guidance provided within the National Planning Policy Framework and the Guide to Development in Manchester Supplementary Planning Document and Planning Guidance.

11) a) Prior to the commencement of the development hereby approved, a surface water drainage scheme in accordance with Non-Statutory Technical Standards for Sustainable Drainage Systems (March 2015) or any subsequent replacement national standards, shall be submitted for approval in writing by the City Council, as Local Planning Authority.

b) Prior to occupation of the units the agreed drainage scheme shall be completed in accordance with the approved details and retained thereafter for the lifetime of the development.

Reason- To promote sustainable development, secure proper drainage and to manage the risk of flooding and pollution, pursuant to national policies within the NPPF and NPPG and policies EN08 and EN14 of the Manchester Core Strategy (2012).

12) Notwithstanding the details contained within the Flood Risk Assessment and SuDs strategy, prior to the first occupation/use of the development hereby approved, details of the implementation, maintenance and management of the surface water drainage

scheme, as approved by Condition 12, shall be submitted for approval in writing by the City Council, as Local Planning Authority. Those details shall include:
- Verification report providing photographic evidence of constructed flow control and SuDS
components as per design drawings approved as part of Condition 12.
- Provide As Built construction drawings OR confirm that they align with the original design construction drawings.
- Management and maintenance plan for the lifetime of the development which shall include the arrangements for adoption by any public body or statutory undertaker, or any other arrangements to secure the operation of the sustainable drainage scheme throughout its lifetime.
The scheme shall be implemented and thereafter managed and maintained in accordance with the approved details.

Reason- To manage flooding and pollution and to ensure that a managing body is in place for the sustainable drainage system and there is funding and maintenance mechanism for the lifetime of the development, pursuant to national policies within the NPPF and NPPG and policies EN08 and EN14 of the Manchester Core Strategy (2012).

13) Prior to commencement of the use within each unit hereby approved, a Noise Management Plan (NMP) shall be submitted to and approved in writing by the City Council as local planning authority for that unit. The NMP for any unit shall include an assessment of noise from all activities associated with the loading bays, service yards and loading dock area associated with that unit. Any measures or restrictions of the external yards in connection with the content of the approved NMP shall be implemented in full before the use within that unit commences.

Reason - To safeguard the amenities of the occupiers of residential properties, pursuant to saved policy DC26 of the Unitary Development Plan for the City of Manchester, policies SP1 and DM1 of the Manchester Core Strategy (2012).

14) a) The premises shall be acoustically insulated and treated to limit the breakout of noise in accordance with the Noise Impact Assessment (Red Acoustics, 2 May 2024). The scheme shall be implemented in full before any of the uses hereby approved commences.

b) All windows and doors to all units must remain closed (excluding access and egress through doors) during night-time hours if work is taking place inside the buildings.

c) Prior to occupation of the development a verification report shall be required to validate that the work undertaken throughout the development conforms to the recommendations and requirements in the approved acoustic consultant's report. The report shall also undertake post completion testing to confirm that acceptable criteria have been met. Any instances of non-conformity with the recommendations in the report shall be detailed along with any measures required to ensure compliance with the agreed noise criteria.

Reason - To safeguard the amenities of the occupiers of nearby residential properties, pursuant to saved policy DC26 of the Unitary Development Plan for the City of Manchester, policies SP1 and DM1 of the Manchester Core Strategy (2012).

15) a) Externally mounted ancillary plant, equipment and servicing shall be selected and/or acoustically treated in accordance with a scheme designed so as to achieve a rating level of 5dB (LAeq) below the typical background (LA90) level at the nearest

noise sensitive location. Prior to commencement of the use hereby approved the scheme shall be submitted to and approved in writing by the City Council as local planning authority in order to secure a reduction in the level of noise emanating from the site. The scheme shall be implemented in full before the use commences or as otherwise agreed in writing by the City Council as local planning authority.

b) Prior to the operation of the scheme a verification report shall be submitted to and approved in writing by the City Council as local planning authority to validate that the work undertaken throughout the development conforms to the recommendations and requirements in the approved acoustic report. The report shall also undertake post completion testing to confirm that the noise criteria have been met. Any instances of non-conformity with the recommendations in the report shall be detailed along with any measures required to ensure compliance with the agreed noise criteria.

Reason - To minimise the impact of the development and to prevent a general increase in pre-existing background noise levels around the site, pursuant to policies SP1 and DM1 of the Manchester Core Strategy (2012) and saved UDP policy DC26.

16) a) Prior to above ground works, a scheme for the storage and disposal of refuse for each unit shall be submitted to and approved in writing by the City Council as local planning authority.

b) Prior to each unit being first brought into use, finalised details for the management of the internal storage area and strategy for segregation of recyclable waste of that unit shall be submitted to and approved in writing by the City Council as Local Planning Authority.

c) The details of the approved scheme for each unit shall be implemented as part of the development and shall remain in situ whilst the use or development is in operation.

Reason - In the interests of amenity and public health of the occupiers, once the development hereby approved is occupied, pursuant to policies SP1 and DM1 of the Manchester Core Strategy (2012).

17) a) Prior to above ground works, an air quality impact assessment together with any mitigation measures to safeguard local air quality shall be submitted to and approved in writing by the City Council as local planning authority.

b) Prior to occupation of the development any agreed mitigation measures shall be implemented and verified as such in writing by the City Council as local planning authority and shall remain in situ whilst the use or development is in operation.

Reason - To secure a reduction in air pollution from traffic or other sources in order to protect existing and future residents from air pollution, pursuant to policies EN16, SP1 and DM1 of the Manchester Core Strategy (2012).

18) a) The development hereby approved shall be carried out in accordance with the document titled ' Energy and Sustainability Statement ref: 3935 dated 26.04.2024 in relation to each unit (measures confirmed by email dated 21st November 2024 (08:25) from the planning agent).

b) A post construction review certificate/statement shall be submitted for approval to the City Council as Local Planning Authority for the development, which demonstrates

the achievement of a BREAM Very Good rating within 6 months of completion of the development.

Reason - In order to minimise the environmental impact of the development pursuant to policies SP1, T1-T3, EN4-EN7 and DM1 of the Manchester Core Strategy (2012) and the principles contained within The Guide to Development in Manchester SPD (2007) and the National Planning Policy Framework.

19) The development shall only be carried out in accordance the recommendations set out in the Security Needs Assessment ref: GLS05-GS-SY-ZZ-RP-Y-0001-S4 rev. A received 13th May 2024. The development hereby approved shall not be occupied or used until the City Council as local planning authority has acknowledged in writing that it has received written confirmation of a secured by design accreditation for that the development.

Reason - To reduce the risk of crime pursuant to policies SP1 and DM1 of the Manchester Core Strategy (2012) and to reflect the guidance contained in the National Planning Policy Framework.

20) a) Prior to occupation of each unit, detailed designs of any external lighting for each unit shall be submitted to and approved in writing by the City Council as local planning authority.

b) Prior to each unit being first brought into use a verification report shall be required to validate that the work undertaken throughout the development conforms to the recommendations and requirements in the approved light consultant's report. The report shall also undertake post completion testing to confirm that acceptable criteria have been met. Any instances of non-conformity with the recommendations in the report shall be detailed along with any measures required to ensure compliance with the criteria.

Reason - To safeguard the bat foraging routes, and the amenities of the occupiers of nearby properties, pursuant to policies SP1 and DM1 of the Manchester Core Strategy (2012).

21) If , when the lighting units are illuminated, they cause glare or light spillage which is in the opinion of the City Council as Local Planning Authority to the detriment of adjoining and nearby residential properties, such measures as the Council as Local Planning Authority confirm in writing that they consider necessary including baffles and/or cut-offs shall be installed on the units and adjustments shall be made to the angle of the lighting units and the direction of illumination, which shall thereafter be retained in accordance with details which have received the prior written approval of the Local Planning Authority.

Reason - In order to minimise the impact of the illumination of the lights on the occupiers of existing and proposed nearby residential accommodation, pursuant to policies SP1 and policy DM1 of the Manchester Core Strategy (2012).

22) a) The boundary treatment scheme for the development shall be implemented in accordance with Proposed boundary treatments plan ref. 12481-AEW-XX-XX-DR- A-0508 rev.P11 received 19th November 2024 .

b) Finalised elevational designs of the boundary treatment and gates shall be submitted to and approved in writing by the City Council as local planning authority.

The approved scheme shall be implemented in full before the units hereby approved are first occupied and retained as such thereafter.

Reason - To ensure that the appearance of the development is acceptable to the City Council as local planning authority in the interests of the visual amenity of the area within which the site is located in order to comply with Policies SP1, EN1 and DM1 of the Manchester Core Strategy (2012), and the guidance provided within the Guide to Development in Manchester Supplementary Planning Document and Planning Guidance.

23) In this condition "retained tree" means an existing tree, shrub or hedge which is to be as shown as retained on the approved plans specified in condition no.2 and particulars; and paragraphs (a) and (b) below shall have effect until the expiration of 5 years from the date of the occupation of the building for its permitted use.
(a) No retained tree shall be cut down, uprooted or destroyed, nor shall any retained tree be topped or lopped other than in accordance with the approved plans and particulars, without the written approval of the local planning authority. Any topping or lopping approved shall be carried out in accordance with British Standard 5387 (Trees in relation to construction)
(b) If any retained tree is removed, uprooted or destroyed or dies, another tree shall be planted at the same place and that tree shall be of such size and species, and shall be planted at such time, as may be specified in writing by the local planning authority.
(c) The erection of fencing for the protection of any retained tree shall be undertaken in accordance with the approved plans and particulars before any equipment, machinery or materials are brought on to the site for the purposes of the development, and shall be maintained until all equipment, machinery and surplus materials have been removed from the site. Nothing shall be stored or placed in any area fenced in accordance with this condition and the ground levels within those areas shall not be altered, nor shall any excavation be made, without the written consent of the local planning authority.

Reason - In order avoid damage to trees/shrubs adjacent to and within the site which are of important amenity value to the area and in order to protect the character of the area, in accordance with policies EN9 and EN15 of the Manchester Core Strategy (2012).

24) a) Notwithstanding the landscaping scheme on Landscape Proposals (Reference. RE-4198-01 Rev G) received 23rd August 2024, a finalised landscaping scheme (including additional tree and bramble planting, together with locally native shrub mix) shall be submitted to and approved in writing by the City Council as local planning authority.

b) Prior to any ground works in connection with the soft landscaping areas approved, a management and maintenance strategy (including reference to the company responsible for on-going maintenance), for the proposed landscaping shall be submitted to and approved in writing by the City Council as local planning authority.

c)The approved landscaping scheme and arrangements for management and maintenance shall be implemented not later than 12 months from the date the buildings are first occupied. If within a period of 5 years from the date of the planting of any tree or shrub, that tree or shrub or any tree or shrub planted in replacement for it, is removed, uprooted or destroyed or dies, or becomes, in the opinion of the local planning authority, seriously damaged or defective in the development, another tree or shrub of the same species and size as that originally planted shall be planted at the same place within the development.

Reason - To ensure that a satisfactory landscaping scheme for the development is carried out that respects the character and visual amenities of the area, in accordance with policies SP1, EN9 and DM1 of the Manchester Core Strategy (2012).

25) No removal of or works to any trees or shrubs or works to or demolition of buildings or structures that may be used by breeding birds shall take place during the main bird breeding season 1st March and 31st August inclusive, unless a competent ecologist has undertaken a careful, detailed check of vegetation for active birds' nests immediately before the vegetation is cleared and provided written confirmation that no birds will be harmed and/or that there are appropriate measures in place to protect nesting bird interest on site. Any such written confirmation should be submitted to the local planning authority.

Reason - In order to provide protection to nesting birds, pursuant to Policy EN15 of the Manchester Core Strategy (2012).

26) The bat and bird boxes as shown on plan ref: 12481-AEW-XX-XX-DR-A-0507 rev. P08 shall be implemented prior to the occupation of the buildings hereby approved and retained at all times thereafter.

Reason - To ensure that landscape and ecology management is adequately in place and to ensure the longevity of new planting in different areas of the site and to comply with policy EN15 of the Manchester Core Strategy (2012).

27) If no development commences within 12 months of the date of consent, a further survey of the site and locality for badger setts shall be undertaken and the findings shall be submitted to and approved by the local planning authority. The development shall be undertaken with any measures identified as being necessary following the outcome of the survey.

Reason - To minimise the risk of accidental harm of a European Protected Species (Habitats Regulations 1994), pursuant to policy EN15 of the Manchester Core Strategy (2012).

28) Prior to the commencement of development (including ground works and vegetation clearance), a reasonable avoidance measures method statement for hedgehog and other wildlife covering the site clearance and construction phase of the development shall be submitted to and approved by the local planning authority for that phase. The development shall be implemented in accordance with the approved measures.

Reason - to minimise the risk of accidental harm of a European Protected Species (Habitats Regulations 1994) , pursuant to policy EN15 of the Manchester Core Strategy (2012).

29) Prior to any works on the proposed development commencing (excluding demolition), a written 30-year Habitat Management and Maintenance Plan (HMMP) for the site shall be submitted to and approved in writing by the City Council as local planning authority. The approved HMMP shall relate to all 'significant' biodiversity gains on site and shall be strictly adhered to and implemented in full for its duration and shall contain:
A) Aims, objectives and targets for management, including habitat target conditions matching the associated Biodiversity Metric submitted with the application.

B) Descriptions of the management operations necessary to achieving aims and objectives.
C) Preparation of a works schedule, including timescales for habitat clearance and habitat creation and/or enhancement.
D) Details of monitoring needed to measure the effectiveness of management.
E) Details of the persons responsible for the implementation and monitoring.
F) Mechanisms of adaptive management and remedial measures to account for changes in the work schedule to achieve required targets.
G) Reporting on years 1, 2, 5, 10, 20 and 30'.

Reason - In the interests of biodiversity net gain being achieved on site pursuant to Policy EN15 of the Manchester Core Strategy, Policies JP-G8 of Places for Everyone, National Planning Policy Framework (NPPF) and Schedule 7A of the Town and Country Planning Act 1990 (as amended).

30) Prior to above ground works, details of a Local Benefit Proposal, in order to demonstrate commitment to recruit local labour for the duration of the construction of the development, shall be submitted for approval in writing by the City Council, as Local Planning Authority. The approved document shall be implemented as part of the construction of the development. In this condition a Local Benefit Proposal means a document which includes:
i) the measures proposed to recruit local people including apprenticeships
ii) mechanisms for the implementation and delivery of the Local Benefit Proposal
iii) measures to monitor and review the effectiveness of the Local Benefit Proposal in achieving the objective of recruiting and supporting local labour objectives

(b) Within one month prior to construction work being completed, a detailed report which takes into account the information and outcomes about local labour recruitment pursuant to items (i) and (ii) above shall be submitted for approval in writing by the City Council as Local Planning Authority.

Reason - The applicant has demonstrated a commitment to recruiting local labour pursuant to policies SP1, EC1 and DM1 of the Manchester Core Strategy (2012).

31) The permission hereby granted relates to a maximum of gross internal floorspace of 6,984 sq.m. of commercial floorspace, including Classes E(g) (ii) (iii) B2 and B8 uses.

Reason -To ensure that the development is carried out in accordance with policies EC2 and EC5 of the Manchester Core Strategy (2012).

32) Prior to the installation of the substation on plan ref: New Substation design Proposed site plan ref: 12481-AEW-XX-XX-DR-A-0503 rev. P17, finalised elevational design details shall be submitted for approval in writing by the City Council, as Local Planning Authority. The approved design shall be implemented as part of the construction of the development.

Reason -To ensure that the appearance of the development is acceptable to the City Council as local planning authority in the interests of the visual amenity of the area within which the site is located, pursuant to policies SP1 and DM1 of the Manchester Core Strategy (2012).

33) The development shall be implemented in accordance with the Detailed Desk Study (Stage 2) for potential UXO contamination ref: EES1361 R-02-00 Dated 19th May 2022

Reason - To ensure that the presence of or the potential for any Unexploded Ordnance is detected and appropriate remedial action is taken in the interests of public safety, pursuant to policies DM1and EN18 of the Manchester Core Strategy (2012).

34) The first use of each unit hereby approved shall be the lawful use for that unit, and for no other purpose in the Town and Country Planning (Use Classes) (Amendment) (England) Regulations 2020, or in any provision equivalent to that Class in any statutory instrument
revoking and re-enacting that Order with or without modification.

Reason - To safeguard the amenities of the occupiers of residential properties, pursuant to saved policy DC26 of the Unitary Development Plan for the City of Manchester, policies SP1 and DM1 of the Manchester Core Strategy (2012).

Informatives

Building Regulations 2010
This permission does not grant approval under Building Regulations.

Street Naming & Numbering Requirements
Manchester City Council is responsible for allocating street naming and numbering within Manchester for new developments or property conversions. Individuals or businesses are not permitted to allocate their own property numbers, building or street names.

If your development includes the creation of new dwellings (either new build or conversion of existing buildings), creation of new commercial properties or the subdivision of existing properties you must ensure that you request new or changes to addresses through us so they can be officially allocated and registered in accordance with the Public Health Act 1925 Sections 17-19 & Greater Manchester Act 1981 Section 22.

Failure to do this may result in difficulties for the developer/occupier when requiring services such as connections to utilities, phone lines and postal services and may delay your development.

You can apply online at the following address:
http://www.manchester.gov.uk/info/100011/roads_parking_and_transport/1988/naming_and_numbering_of_houses_buildings_streets_and_roads/2

Mining Information
The proposed development lies within an area which could be subject to current coal mining or hazards resulting from past coal mining. Please read the Standing Advice from the Coal Authority in Appendix A.

Certain species have legal protection and that the granting of planning permission does not negate the need to abide by the laws that are in place to protect biodiversity. If at any time any protected species are found or are suspected of being present on the site and adversely affected by the development, work should cease immediately, and an ecologist/LPA should be contacted.

Construction/demolition works shall be confined to the following hours: Monday - Friday: 7.30am - 6pm Saturday: 8.30am - 2pm Sunday / Bank holidays: No work

The applicant is advised that any requirements for licensing, hoarding / scaffolding and any associated temporary traffic management arrangements will need discussion and agreement with the council's Highways Applications and Network Resilience teams via Contact Manchester (Tel. 0161 234 5004). It is recommended that the above is conditioned and attached to any planning permission that may be granted.

The applicant will be required to enter into a Section 278 agreement for any alterations to the existing adopted highways. This will require the agreement with MCC's Highways Applications and Network Resilience teams via Contact Manchester (Tel. 0161 234 5004). This will be funded at the applicant's expense.
Any modifications / improvements to the public highway or footpath will require agreement with MCC's Highways Applications and Network Resilience teams. This will be funded at the applicant's expense. The following link provides access:
https://www.manchester.gov.uk/directory_record/287709/permission_to_work_on_the_highways__section_278_agreements/category/355/highways_and_pavements

Cadent Gas Ltd own and operate the gas infrastructure within the area of your development. There may be a legal interest (easements and other rights) in the land that restrict activity in proximity to Cadent assets in private land. The applicant must ensure that the proposed works do not infringe on legal rights of access and or restrictive covenants that exist.
If buildings or structures are proposed directly above the apparatus the development may only take place following diversion of the apparatus. The applicant should apply online to have apparatus diverted in advance of any works, by visiting cadentgas.com/diversions
Prior to carrying out works, including the construction of access points, please register on www.linesearchbeforeudig.co.uk to submit details of the planned works for review, ensuring requirements are adhered to.

A culvert investigation has been completed, with no evidence of a culvert structure found. MCC records indicate the presence of an underground culverted watercourse (Corn Brook Tributary) on-site. While MCC records are regularly updated to maintain the highest level of accuracy, they cannot guarantee complete accuracy for all culverted assets.
Therefore, it is requested that the applicant informs the onsite contractor to remain observant and to take the appropriate safety precautions during excavation works. If any major unknown drainage assets are found beneath the site, then further investigation works should take place to identify the asset and MCC Lead Local Flood Authority (LLFA) should be contacted immediately. Any alterations to an ordinary watercourse will require consent from MCC LLFA under Land Drainage Act 1991.
The developer can apply for land drainage consent (if required) via the following link:
https://manchester.civicapayforms.co.uk/Sales/LaunchInternet.aspx?saleform=drainage
.

Date: 25 November 2024

Signed: 

Julie Roscoe
Director of Planning, Building Control & Licensing

Notes

1. This permission refers only to that required under the Town and Country Planning Act 1990 does not include any consent or approval under any other enactment, byelaw, order or regulation.

2 If the applicant is aggrieved by the decision of the local planning authority to refuse permission or approval for the proposed development, or to grant permission or approval subject to conditions, they may appeal to the Secretary of State in accordance with Section 78(1) of the Town and Country Planning Act 1990 within six months of the date of the notice of the decision.

The Planning Inspectorate have introduced an online appeals service that can be used to make appeals online. This service is available through the gov.uk website – www.gov.uk/appeal-planning-decision The Inspectorate will publish details of your appeal on the internet. Alternatively If you are unable to access the online appeal form, please contact the Planning Inspectorate to obtain a paper copy of the appeal form on tel: 0303 444 5000.

The Secretary of State has power to allow a longer period for the giving of a notice of appeal but they will not normally be prepared to exercise this power unless there are special circumstances that excuse the delay in giving notice of appeal.

If you intend to submit an appeal that you would like examined by inquiry then you must notify the City Council (planning@manchester.gov.uk) and the Planning Inspectorate (inquiryappeals@planninginspectorate.gov.uk) at least 10 days before submitting the appeal. Further details are on GOV.UK.

3. The statutory requirements are those set out in Section 79(6) of the Town and Country Planning Act 1990, namely Sections 70(1) and 72(1) of the Act.

4. If either the local planning authority of the Secretary of State refuses permission to develop land or grants it subject to conditions, the owner may claim that they can neither put the land to a reasonably beneficial use in its existing state nor render the land capable of a reasonably beneficial use by the carrying out of any development which has been or would be permitted.

In these circumstances, the owner may serve a purchase notice on the Council in whose area the land is situated. This notice will require the Council to purchase his interest in the land in accordance with the provisions of Part VI of the Town and Country Planning Act 1990

5. In certain circumstances, a claim may be made against the local planning authority for compensation, where permission is refused or granted subject to conditions by the Secretary of State on appeal or on a reference of the application to them. The circumstances in which such compensation is payable are set out in Section 114 of the Town and Country Planning Act 1990.

Appendix A

The Coal Authority

STANDING ADVICE - DEVELOPMENT LOW RISK AREA

The proposed development lies within a coal mining area which may contain unrecorded coal mining related hazards. If any coal mining feature is encountered during development, this should be reported immediately to the Coal Authority on 0345 762 6848.

Further information is also available on the Coal Authority website at:
www.gov.uk/government/organisations/the-coal-authority

Standing Advice valid from 1st January 2023 until 31st December 2024

APPENDIX B – DRAWINGS

Drawing Number C322/ASB/EW/001A

Rev A



C&R
civil-remediation.com

Job Title
City Works

Location
Openshaw

Client
Network Space / Bansco

Key



Location Plan

Rev	Date	Description
A	20/11/25	As-Built

Drawing Status
As-Built

Drawing Title
Base of Excavation

C&R Project Code C322

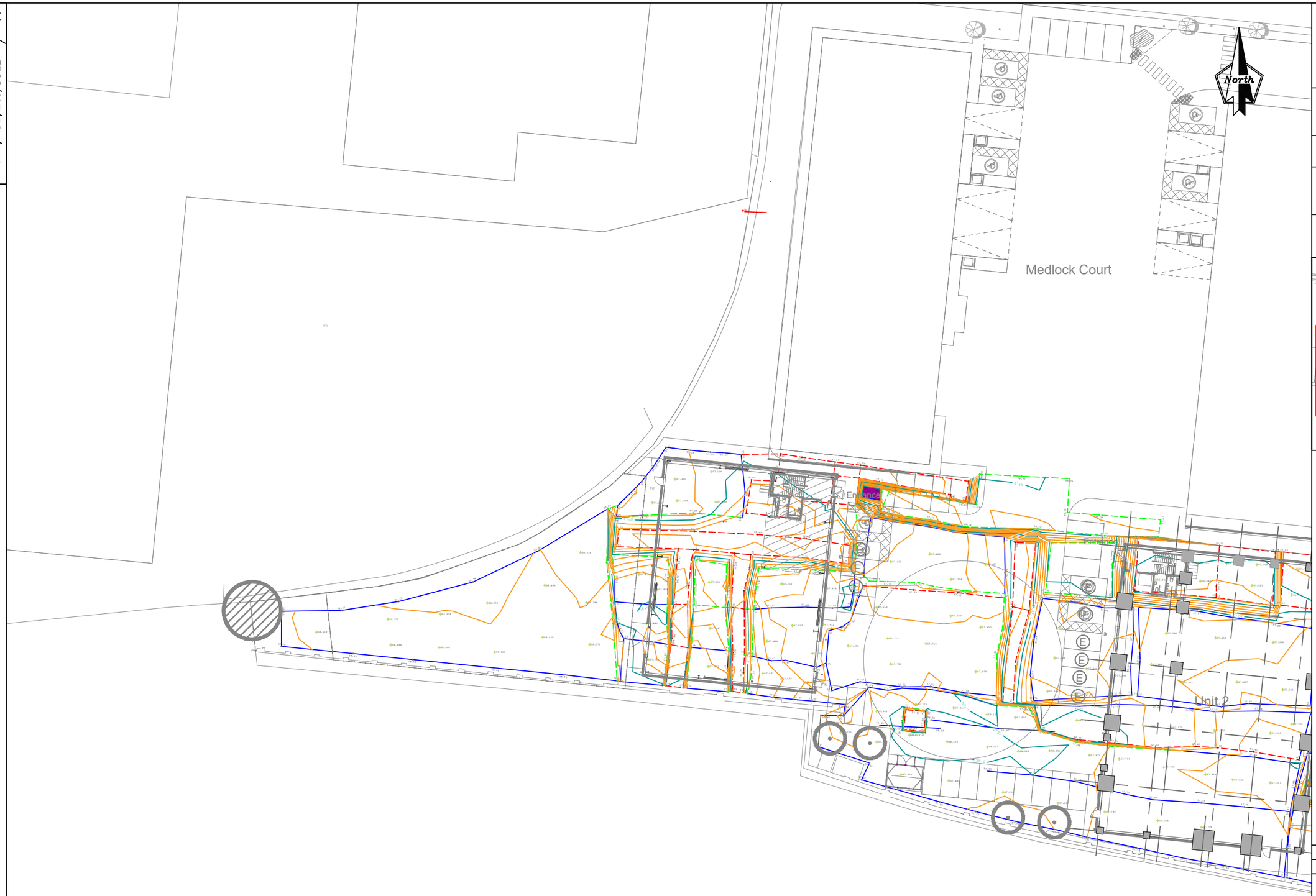
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Date Drawn	20/11/25
Drawn By	AR
Reviewed By	TM
Original Size	A3

Drawing Number
C322/ASB/EW/001A

Rev
A

Drawing Number C322/ASB/EW/001B

Rev A



C&R
civil-remediation.com

Job Title
City Works

Location
Openshaw

Client
Network Space / Bansco

Key



Location Plan

Key

- edge of excavation
- top of batter
- bottom of batter
- major contour (1m)
- minor contour (0.2m)

Rev	Date	Description
A	20/11/25	As-Built

Drawing Status
As-Built

Drawing Title
Base of Excavation

C&R Project Code C322

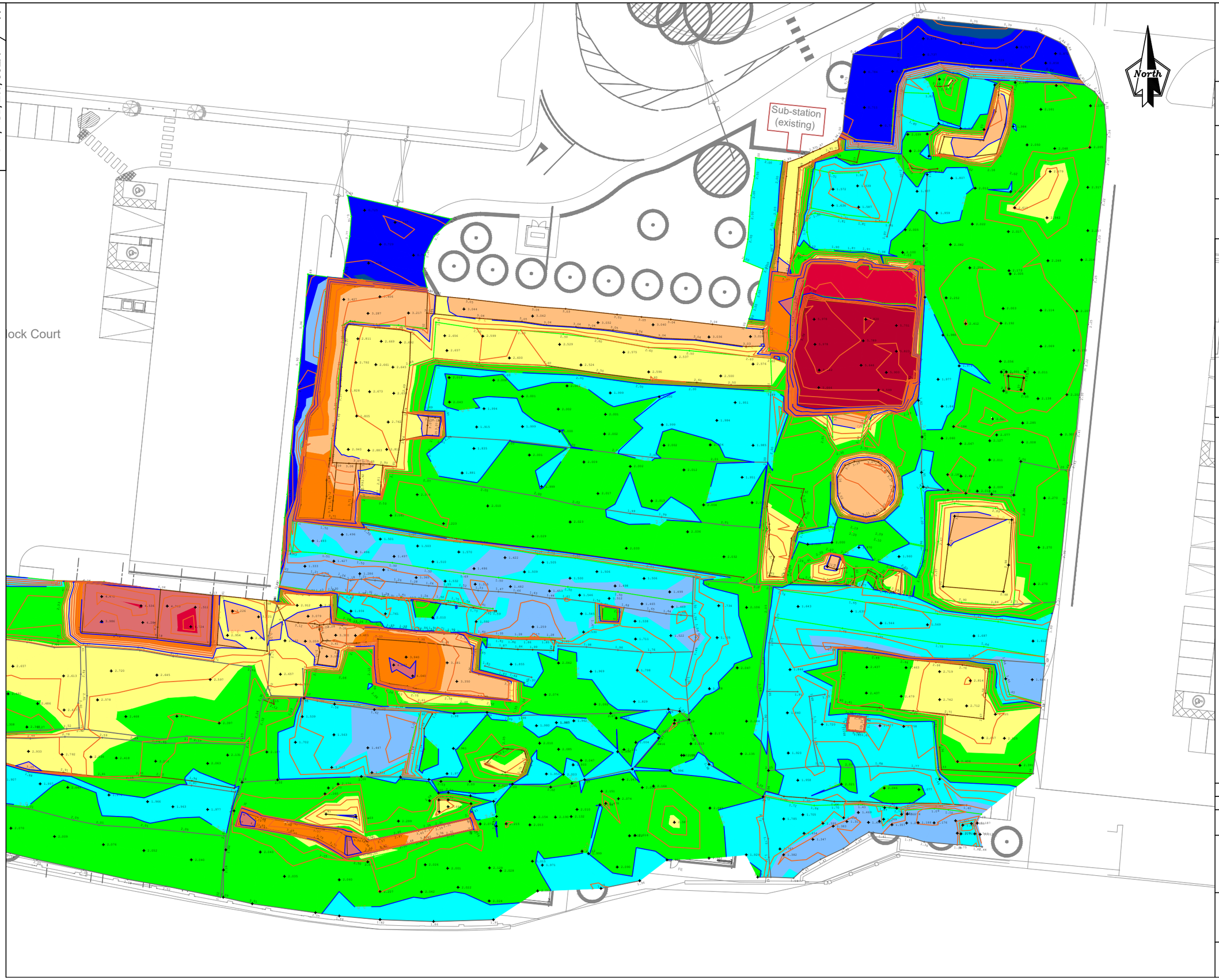
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Date Drawn	20/11/25
Drawn By	AR
Reviewed By	TM
Original Size	A3

Drawing Number
C322/ASB/EW/001B

Rev
A

Drawing Number C322/ASB/EW/002A

Rev A



C&R
civil-remediation.com

Job Title
City Works

Location
Openshaw

Client
Network Space / Bansco

Key



Location Plan

Depth Ranges

0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
6.0

Rev	Date	Description
A	20/11/25	As-Built

Drawing Status
As-Built

Drawing Title
Isopachyte Between OGL & Base of Excavation - Sheet 1 of 2

C&R Project Code C322

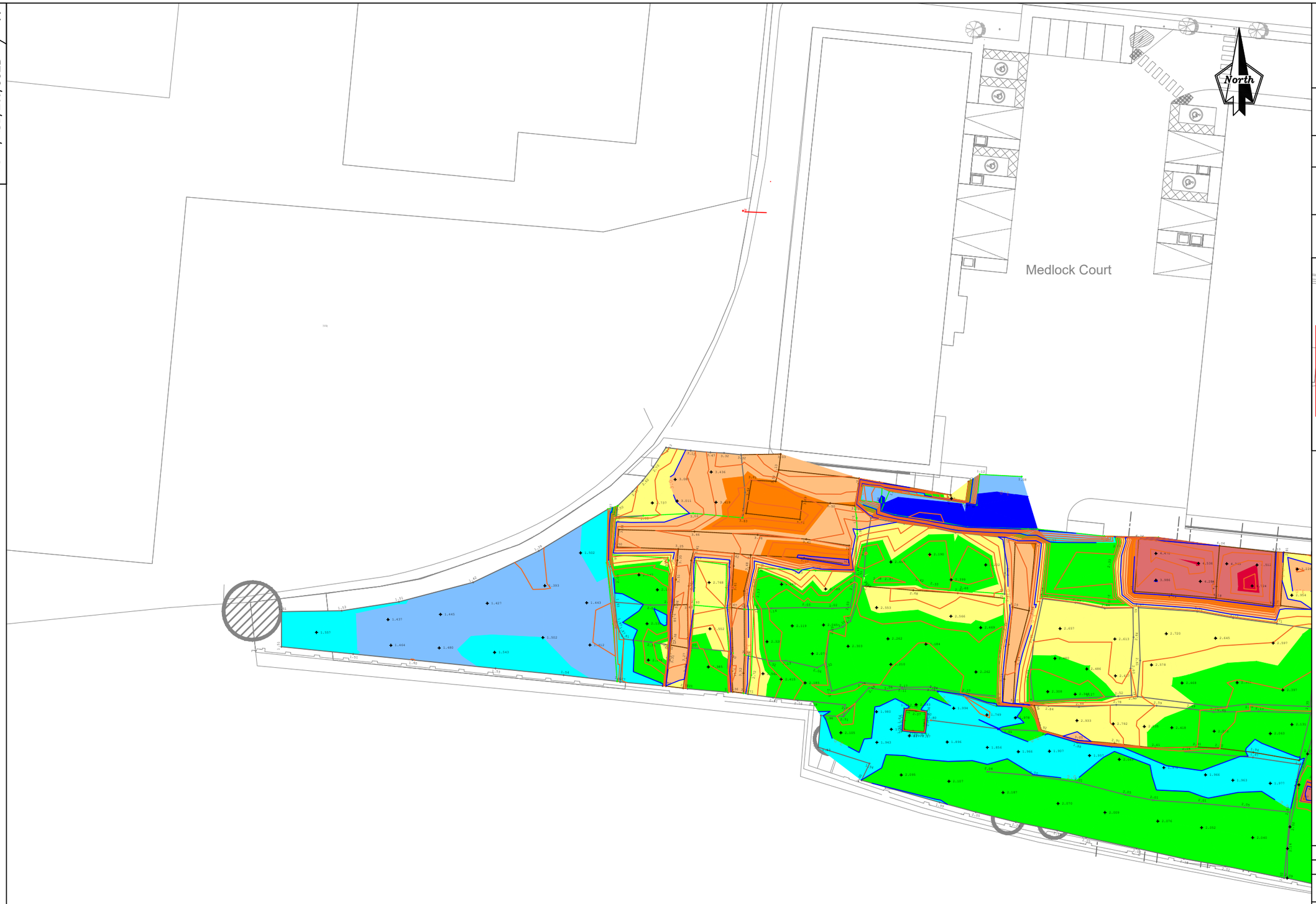
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Date Drawn	20/11/25
Drawn By	AR
Reviewed By	TM
Original Size	A3

Drawing Number
C322/ASB/EW/002A

Rev
A

Drawing Number C322/ASB/EW/002B

Rev A



C&R
civil-remediation.com

Job Title
City Works

Location
Openshaw

Client
Network Space / Bansco

Key



Location Plan

Depth Ranges

0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
6.0

Rev	Date	Description
A	20/11/25	As-Built

Drawing Status
As-Built

Drawing Title
Isopachyte Between OGL & Base of Excavation - Sheet 2 of 2

C&R Project Code C322

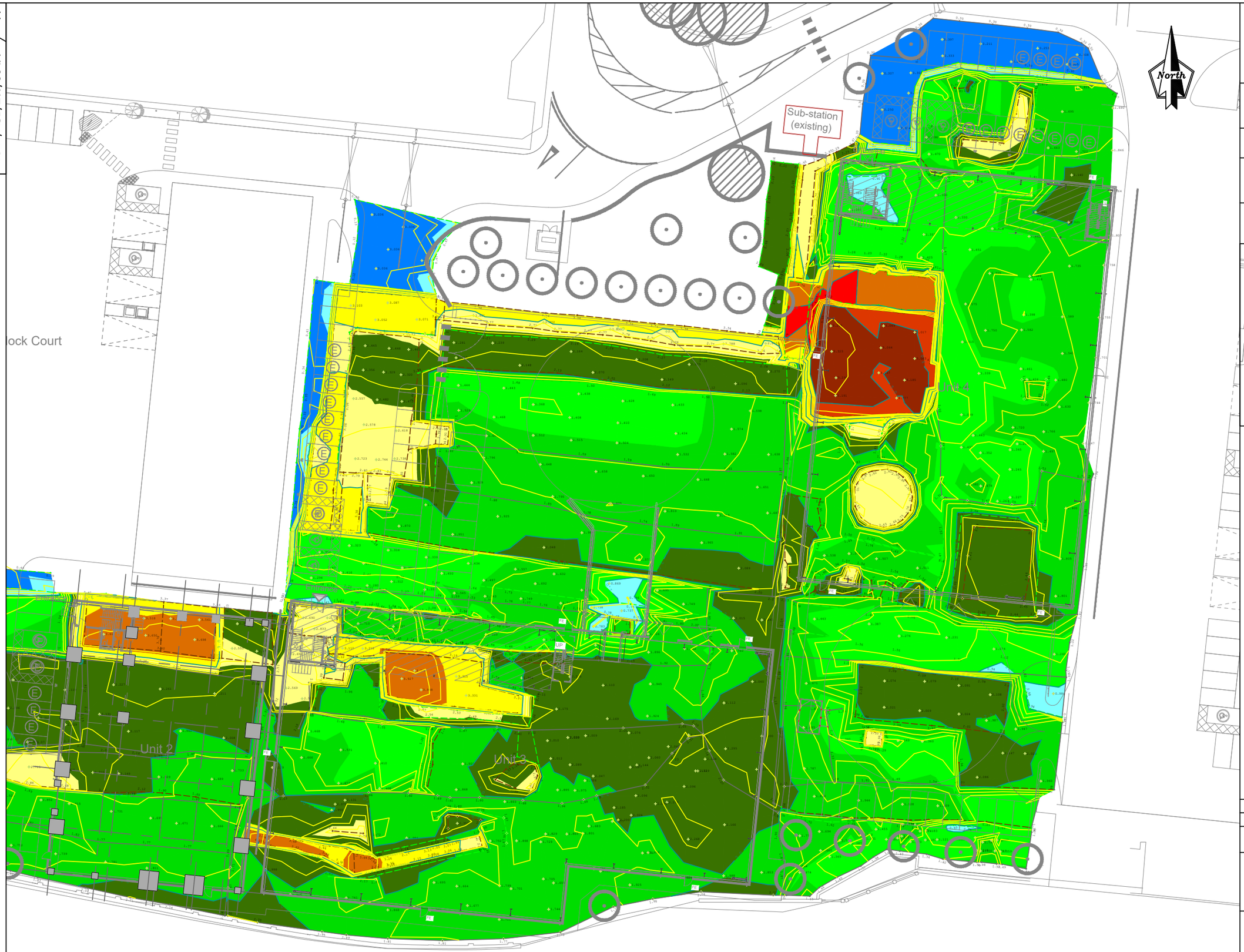
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Date Drawn	20/11/25
Drawn By	AR
Reviewed By	TM
Original Size	A3

Drawing Number
C322/ASB/EW/002B

Rev
A

Drawing Number C322/ASB/EW/004A

Rev A



C&R
civil-remediation.com

Job Title
City Works

Location
Openshaw

Client
Network Space / Bansco

Key



Location Plan

Fill Height Ranges

6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0

Rev	Date	Description
A	20/11/25	As-Built

Drawing Status
As-Built

Drawing Title
Isopachyte Between Base of Excavation & Formation Level - Sheet 2 of 2

C&R Project Code C322

Scale	1:500@A3
Date Drawn	20/11/25
Drawn By	AR
Reviewed By	TM
Original Size	A3

Drawing Number
C322/ASB/EW/004A

Rev
A

Drawing Number C322/ASB/EW/004B

Rev A



C&R
civil-remediation.com

Job Title
City Works

Location
Openshaw

Client
Network Space / Bansco

Key



Location Plan

Fill Height Ranges

6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0

Rev	Date	Description
A	20/11/25	As-Built

Drawing Status
As-Built

Drawing Title
Isopachyte Between Base of Excavation & Formation Level - Sheet 2 of 2

C&R Project Code C322

Scale	1:500@A3
Date Drawn	20/11/25
Drawn By	AR
Reviewed By	TM
Original Size	A3

Drawing Number
C322/ASB/EW/004B

Rev
A

LEGEND

- 0.1m CONTOUR
- 0.5m CONTOUR
- EXISTING RETAINING WALL
- PROPOSED RETAINING STRUCTURE STRUCTURE TYPE TO BE CONFIRMED
- STEP (EXTERNAL LEVELS ARE MORE THAN 25mm LOWER THAN FFL) REFER TO DETAILS
- DOCK WALL

NOTES

1. All dimensions are to be checked on site before commencement of works. Work to figured dimensions only. Do not scale off this drawing. Any discrepancies are to be reported to Hydrock for clarification.
2. This drawing is to be read in conjunction with all relevant Hydrock drawings and specifications.
3. This drawing is to be read in conjunction with all relevant Architectural and M&E Services drawings and specifications.
4. This drawings is based on AEW Architect's drawing no 12481-AEW-SI-XX-DR-A-1002-S2-C03-Proposed Site Plan, received 12.08.25.
5. Contours are shown at 0.1m intervals.
6. Drawing to be read in conjunction with External Works drawing no. 22975-HYD-XX-XX-DR-C-0700.
7. Contours and gradients are indicated for guidance purposes and shall not be used for setting out.

Welcomb Street

Medlock Court

KEEP CLEAR

BOUNDARY AREA IN ABEYANCE
MORE BOUNDARY LEVELS REQUIRED

UNIT 1
FFL 60.500

UNIT 2
60.404

UNIT 3
FFL 60.660

UNIT 4
FFL 60.115

L: 8m H: 0.25m

L: 15m H: 0.15m

L: 12m H: 0.41m

L: 34m H: 0.40m

REVISIONS				
C06	FINAL FFLs	21.10.25	NM	TF | NB
C05	FFLs UPDATED	08.10.25	NM	TF | NB
C04	CONSTRUCTION ISSUE	12.09.25	NM	NB | NB
C03	CONSTRUCTION ISSUE	03.09.25	NM	NB | NB
C02	CAR PARK AREA NORTH OF UNIT 4 LEVELS AMENDED UPDATED TO NEW LAYOUT	06.08.25	TF	NB | NB
C01	CONSTRUCTION ISSUE	14.05.25	TF	NB | VC
T05	ISSUED FOR DISCUSSION UPDATED TO NEW LAYOUT	09.05.25	TF	NB | VC
T04	UNITS 1, 2, 3 RAISED 250mm	04.04.25	TF	NB | VC
T03	UPDATED TO NEW LAYOUT	21.02.25	TF	NB | VC
T02	TENDER ISSUE	07.02.25	TF	CF | NB
T01	TENDER ISSUE	10.01.25	TF	CF | NB
Rev	Revision Notes	Date	Drawn By	Checked | Approved

Hydrock
and
Stantec
100 Barbirolli Square
Manchester
M2 3PW

CLIENT
NETWORK SPACE

PROJECT
WELCOMB STREET
MANCHESTER

TITLE
PROPOSED PLOT LEVELS

HYDROCK PROJECT NO.	SCALE @ A0
C-22975	1:250
STATUS DESCRIPTION: CONSTRUCTION	STATUS: S4
DRAWING NO: 22975-HYD-XX-XX-DR-C-0600	REVISION: C06

APPENDIX C – Inspection and Test Plan

C322 – City Works 4 – Inspection and Test Plan

Table 1 - Surveying and setting out

Item	Inspection	Test	Rate	Record
Check OGL	Survey prior to start of earthworks	NA	NA	Drawing
Identify/ termination of relevant existing services	CAT + Genny, trial pitting and visual inspection	NA	NA	Photographs Drawing
Stats lowering**	Watching brief Survey	NA	NA	Drawing Photographs
Drainage installation	Watching brief Survey	NA	NA	Drawing Photographs
Depth/ volume of concrete	Visual inspection Stockpile survey	NA	NA	Engineers log
Excavation to formation	Visual inspection of base of dig Base of dig survey	Mexeprobe/ Shear Vane (where appropriate)	5 per panel	Base of Dig drawing
Engineered up layers	Visual inspection Watching brief	As Table 3	As Table 3	Photos
Cement stabilised capping replacement	Visual inspection Watching brief Survey	As Table 3	As Table 3	Drawing Photographs
Volume of Class 6 recycled material to be reused on site	Stockpile survey, placement survey	NA	NA	Drawing Photographs
Protective 6F2 to C&R Finished Level	Visual inspection Survey	As Table 3	As Table 3	Drawing Photographs

Table 2 - Chemical Testing

Item	Inspection	Test	Rate	Record
General engineering fill (Class 1 & 2)	Visual and olfactory	PID	As appropriate (where suspected organic contamination)	Engineers record (noted in Environmental Reports)
		PAHs, TPH CWG, Asbestos screen, CLEA metals	1 per 1000m^3	3rd party certificates Sample location survey
Site won subsoil*	Visual and olfactory	PAHs, TPH CWG, Asbestos screen, CLEA metals	1 per 50m^3	3rd party certificates Sample location survey
Recycled 6F2	Visual and olfactory	PAHs, TPH CWG, Asbestos screen, CLEA metals	1 per 1000m^3	3rd party certificates Sample location survey
Imported aggregates**	Visual and olfactory	PAHs, TPH CWG, Asbestos screen, CLEA metals	1 per 1000m^3	3rd party certificates Sample location survey
Hotspots	Visual and olfactory	Determinant of concern	1 per 25m^2 excavated walls (minimum 1 per side)	3rd party certificates Sample location survey
			1 per 30m^2 of exposed base	
Underground storage tanks*	Visual and olfactory	As appropriate	1 per 25m^2 excavated walls (minimum 1 per side)	3rd party certificates Sample location survey
			1 per 30m^2 of exposed base	
Unforeseen contamination*	Visual and olfactory	As appropriate	1 per 25m^2 excavated walls (minimum 1 per side)	3rd party certificates Sample location survey
			1 per 35m^2 of exposed base	
Failed general material screen	Visual and olfactory	Retested for failed determinand	As appropriate	3rd party certificates Sample location survey
Surplus material disposal	Visual and olfactory	As required by waste receiver	As appropriate	3rd party certificates Waste transfer notes

Table 3 - Civil and Geotechnical Testing

Item	Inspection	Test	Rate	Record
Class 1	Visual inspection by competent persons	Grading	1 per 1000m^3	3rd party certificates Sample survey record
		Moisture content	1 per 1000m^3	
		Optimum moisture content	1 per 3000m^3	
Class 2	Visual inspection by competent persons	Grading	1 per 1000m^3	3rd party certificates Sample survey record
		Moisture content	1 per 1000m^3	
		Optimum moisture content	1 per 3000m^3	
		Atterberg limits	1 per 1000m^3	
Compaction of Class 1 & 2 layers	Visual inspection by competent persons	Mexeprobe	5 per panel	Photographs Engineers record
		Shear vane	5 per panel	
Recycled 6F2	Visual inspection by competent persons	Grading	1 per 1000m^3	3rd party certificates Sample survey record
		Moisture content	1 per 1000m^3	
Cement stabilisation trials***	Inspection by competent persons	Pre stabilisation trials to determine required cement percentage	1 per material type	3rd party certificates
		Tray test	Minimum 1 daily	Photos & engineers log
Top of cement stabilised capping replacement***	Visual inspection by competent persons	CBR or plate load testing (as required)	1 per 30m^2 (grid around building footprint)	Photos 3rd party certificates
Top of 6F2 protective layer (C&R finished level)	Visual inspection by competent persons	CBR or plate load testing (as required)	1 per 30m^2 (grid around building footprint)	Photos 3rd party certificates
		Density testing	As appropriate	

Notes

1. This ITP has been produced in accordance with the *MCHW* Specification for Highway Works, Remediation Strategy and current best practices.
2. All watching briefs and surveys by suitably qualified/ experienced persons.
3. Disposal testing criteria in accordance with waste receiver requirements.
4. 3rd party certifications for imported materials (if required) to be provided prior to arrival at site. Material may be refused if deemed unacceptable.
5. * = if encountered.
6. ** = if required.
7. Plate testing utilising 300mm plate unless otherwise stated.
8. All positive asbestos screens will be further scheduled for quantification.
9. All chemical tests to be screened against S4ULs for commercial end use for reuse on site.
10. Mexeprobe and shear vane testing subject to suitable material types for specific test.

APPENDIX D – Chemical Testing

envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/06368
Issue Number: 1 **Date:** 25 June, 2025

Client:
Civils and Remediation Ltd
Grosvenor House
3 Chapel Street
Congleton
Cheshire
UK
CW12 4AB

Project Manager: Tom Magee
Project Name: City Works 4
Project Ref: C332
Order No: C332-SCO-006
Date Samples Received: 13/06/25
Date Instructions Received: 16/06/25
Date Analysis Completed: 25/06/25

Approved by:

[redacted]

Gemma Berrisford
Deputy Client Services Supervisor

Envirolab Job Number: 25/06368

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/06368/1	25/06368/2	25/06368/3	25/06368/4	25/06368/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/RMOT/1/1	CL/RMOT/1/2	CL/R6F2/1/1	CL/R6F2/1/2	CL/F/1/1					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25					
Sample Type	SOIL - ES	SOIL - ES	SOLID	SOIL - ES	SOIL - ES					
Sample Matrix Code	6A	6AB	7	6AB	4AB					
% Stones >10mm$_A$	<0.1	14.3	<0.1	10.7	<0.1			% w/w	0.1	A-T-044
Cyanide (free)$_A^{M\#}$	<1	<1	<1^U	<1	<1			mg/kg	1	A-T-042sFCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2			mg/kg	0.2	A-T-050s
Arsenic$_D^{M\#}$	2	2	3^U	4	15			mg/kg	1	A-T-024s
Barium$_D^{\#}$	98	107	131^U	177	142			mg/kg	3	A-T-024s
Beryllium$_D$	<0.5	<0.5	<0.5	<0.5	1.3			mg/kg	0.5	A-T-024s
Boron (water soluble)$_D^{M\#}$	<1.0	<1.0	1.2^U	1.1	1.7			mg/kg	1	A-T-027s
Cadmium$_D$	<1.0	1.0	<1.0	<1.0	<1.0			mg/kg	1	A-T-024s
Copper$_D^{M\#}$	11	14	11^U	13	83			mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	7	10	13^U	11	24			mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1			mg/kg	1	A-T-040s
Chromium (trivalent)	7	10	13	11	24			mg/kg	1	Calc
Lead$_D^{M\#}$	47	52	28^U	47	146			mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	<0.17	<0.17			mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	8	10	9^U	8	123			mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	<1	<1	<1^U	<1	<1			mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	7	7	17^U	13	30			mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	53	59	64^U	121	83			mg/kg	1	A-T-024s

Envirolab Job Number: 25/06368

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/06368/1	25/06368/2	25/06368/3	25/06368/4	25/06368/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/RMOT/1/1	CL/RMOT/1/2	CL/R6F2/1/1	CL/R6F2/1/2	CL/F/1/1					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25					
Sample Type	SOIL - ES	SOIL - ES	SOLID	SOIL - ES	SOIL - ES					
Sample Matrix Code	6A	6AB	7	6AB	4AB					
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	NAD	NAD^U	NAD	Chrysotile					A-T-045
Asbestos Matrix (visual)$_D$	-	-	-	-	-					A-T-045
Asbestos Matrix (microscope)$_D$	-	-	-	-	Loose Fibres					A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	N/A	N/A					A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_D$	-	-	-	-	<0.001			% w/w	0.001	A-T-054

Envirolab Job Number: 25/06368

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/06368/1	25/06368/2	25/06368/3	25/06368/4	25/06368/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/RMOT/1/1	CL/RMOT/1/2	CL/R6F2/1/1	CL/R6F2/1/2	CL/F/1/1					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25					
Sample Type	SOIL - ES	SOIL - ES	SOLID	SOIL - ES	SOIL - ES					
Sample Matrix Code	6A	6AB	7	6AB	4AB					
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.04	0.04	<0.03^U	0.09	0.11			mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.02	0.02	<0.01^U	<0.01	0.17			mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.10	0.11	<0.02^U	0.10	0.63			mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.24	0.25	0.05^U	0.13	1.76			mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.20	0.19	0.05^U	0.10	1.36			mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.26	0.25	0.07^U	0.13	1.97			mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.16	0.14	<0.05^U	0.07	0.97			mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.08	0.09	<0.07^U	<0.07	0.74			mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.23	0.22	0.08^U	0.15	1.53			mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04^U	<0.04	0.19			mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.51	0.43	0.13^U	0.35	3.36			mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.04	0.04	<0.05^U	0.09	0.25			mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.13	0.12	0.03^U	0.06	1.04			mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03^U	0.07	0.16			mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.30	0.31	0.16^U	0.45	1.98			mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.44	0.40	0.17^U	0.35	2.58			mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	2.75	2.61	0.74^U	2.14	18.8			mg/kg	0.01	A-T-019s

Envirolab Job Number: 25/06368

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/06368/1	25/06368/2	25/06368/3	25/06368/4	25/06368/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/RMOT/1/1	CL/RMOT/1/2	CL/R6F2/1/1	CL/R6F2/1/2	CL/F/1/1					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25					
Sample Type	SOIL - ES	SOIL - ES	SOLID	SOIL - ES	SOIL - ES					
Sample Matrix Code	6A	6AB	7	6AB	4AB					
VOC excl. BTEX										
Dichlorodifluoromethane$_A$	<1	<1	<1	<1	<1			µg/kg	1	A-T-006s
Chloromethane$_A$	<10	<10	<10	<10	<10			µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Bromomethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Chloroethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Trichlorofluoromethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,1-Dichloroethene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Carbon Disulphide$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Dichloromethane$_A$	<5	<5	<5	<5	<5			µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,1-Dichloroethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
2,2-Dichloropropane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Bromochloromethane$_A^\#$	<5	<5	<5^U	<5	<5			µg/kg	5	A-T-006s
Chloroform$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,1-Dichloropropene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Carbon Tetrachloride$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,2-Dichloroethane$_A^\#$	<2	<2	<2^U	<2	<2			µg/kg	2	A-T-006s
Trichloroethene$_A^\#$	<1	<1	<1^U	<1	1			µg/kg	1	A-T-006s
1,2-Dichloropropane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Dibromomethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Bromodichloromethane$_A^\#$	<10	<10	<10^U	<10	<10			µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,3-Dichloropropane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Tetrachloroethene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	<3	<3	<3^U	<3	<3			µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Chlorobenzene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	<1	<1	<1	<1	<1			µg/kg	1	A-T-006s

Envirolab Job Number: 25/06368

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/06368/1	25/06368/2	25/06368/3	25/06368/4	25/06368/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/RMOT/1/1	CL/RMOT/1/2	CL/R6F2/1/1	CL/R6F2/1/2	CL/F/1/1					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25					
Sample Type	SOIL - ES	SOIL - ES	SOLID	SOIL - ES	SOIL - ES					
Sample Matrix Code	6A	6AB	7	6AB	4AB					
Styrene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<3	<3	<3^{U}	<3	<3			µg/kg	3	A-T-006s
Isopropylbenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1	<1	<1	<1	<1			µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	<2	<2	<2^{U}	<2	<2			µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1	<1	<1	<1	<1			µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2	<2	<2	<2	<2			µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3	<3	<3	<3	<3			µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3	<3	<3	<3	<3			µg/kg	3	A-T-006s

Envirolab Job Number: 25/06368

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/06368/1	25/06368/2	25/06368/3	25/06368/4	25/06368/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/RMOT/1/1	CL/RMOT/1/2	CL/R6F2/1/1	CL/R6F2/1/2	CL/F/1/1					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25					
Sample Type	SOIL - ES	SOIL - ES	SOLID	SOIL - ES	SOIL - ES					
Sample Matrix Code	6A	6AB	7	6AB	4AB					
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<10	<1	<1			mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	<10^U	5	<1			mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	<1	33^U	25	1			mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	2	2	53^U	51	5			mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	46	30	411^U	136	68			mg/kg	1	A-T-055s
Total Aliphatics$_A$	48	32	498	216	74			mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	<10	<1	<1			mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	<1	<10	3	<1			mg/kg	1	A-T-055s
Aro >C12-C16$_A$	5	3	39	21	8			mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	16	7	39^U	30	31			mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	49	25	135^U	38	121			mg/kg	1	A-T-055s
Total Aromatics$_A$	70	34	212	94	160			mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	118	66	710	310	234			mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s

Report Notes

General

•This report shall not be reproduced, except in full, without written approval from Envirolab.
•The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
•The results reported herein relate only to the material supplied to the laboratory.
•The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
•Analytical results reflect the quality of the sample at the time of analysis only.
•Opinions and Interpretations expressed are outside our scope of accreditation.
•A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
•If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
•Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "D" on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript "^"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
"Trace Asbestos Identified" will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:
For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:
EPH CWG results have humics mathematically subtracted through instrument calculation.
Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:
Results greater than 12900µS/cm @ 25^0C / 11550µS/cm @ 20^0C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Civils and Remediation Ltd, Grosvenor House, 3 Chapel Street, Congleton, Cheshire, UK, CW12 4AB

Project: City Works 4

Clients Project No: C332

Project No: 25/06368

Date Received: 16/06/2025 (am)

Cool Box Temperatures (°C): 17.5

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/06368/1	25/06368/2	25/06368/3	25/06368/4	25/06368/5
Client Sample No					
Client Sample ID/Depth	CL/RMOT/1/1	CL/RMOT/1/2	CL/R6F2/1/1	CL/R6F2/1/2	CL/F/1/1
Date Sampled	12/06/25	12/06/25	12/06/25	12/06/25	12/06/25
A-T-006s	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025
A-T-019s	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025
A-T-022s	20/06/2025	20/06/2025	20/06/2025	20/06/2025	20/06/2025
A-T-024s	25/06/2025	25/06/2025	25/06/2025	25/06/2025	25/06/2025
A-T-027s	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025
A-T-040s	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025
A-T-042sFCN	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025
A-T-044	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025
A-T-045	18/06/2025	18/06/2025	18/06/2025	18/06/2025	18/06/2025
A-T-050s	19/06/2025	19/06/2025	19/06/2025	19/06/2025	19/06/2025
A-T-054					23/06/2025
A-T-055s	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025
Calc	25/06/2025	25/06/2025	25/06/2025	25/06/2025	25/06/2025
Calc-As Recd	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/07528
Issue Number: 1 **Date:** 18 July, 2025

Client:
Civils and Remediation Ltd
Grosvenor House
3 Chapel Street
Congleton
Cheshire
UK
CW12 4AB

Project Manager: Tom Magee
Project Name: City Works 4
Project Ref: C332
Order No: C332-SCO-006
Date Samples Received: 10/07/25
Date Instructions Received: 11/07/25
Date Analysis Completed: 18/07/25

Approved by:

[redacted]

Gemma Berrisford
Deputy Client Services Supervisor

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/1	25/07528/2	25/07528/3	25/07528/4	25/07528/5	25/07528/6	25/07528/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/6F2/1/1	CL/6F2/1/2	CL/F/1/3	CL/F/1/4	CL/HS1/N/1/1	CL/HS1/S/1/1	CL/HS1/E/1/1			
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	08-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4ABE	4ABE	6AB	6AB	4AB	4AB	4AB			
% Stones >10mm$_A$	10.8	23.5	<0.1	<0.1	18.5	36.3	21.8	% w/w	0.1	A-T-044
Cyanide (free)$_A^{M\#}$	<1	<1	<1	<1	-	-	-	mg/kg	1	A-T-042sFCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	-	-	-	mg/kg	0.2	A-T-050s
Arsenic$_D^{M\#}$	4	2	12	17	-	-	-	mg/kg	1	A-T-024s
Barium$_D^{\#}$	136	95	185	190	-	-	-	mg/kg	3	A-T-024s
Beryllium$_D$	<0.5	<0.5	0.9	1.0	-	-	-	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D^{M\#}$	1.9	1.2	1.2	1.1	-	-	-	mg/kg	1	A-T-027s
Cadmium$_D$	<1.0	<1.0	<1.0	<1.0	-	-	-	mg/kg	1	A-T-024s
Copper$_D^{M\#}$	12	6	133	97	-	-	-	mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	11	8	20	22	-	-	-	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	-	-	-	mg/kg	1	A-T-040s
Chromium (trivalent)	11	8	20	22	-	-	-	mg/kg	1	Calc
Lead$_D^{M\#}$	1850	37	286	386	-	-	-	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	<0.17	-	-	-	mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	9	5	28	39	-	-	-	mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	<1	<1	<1	<1	-	-	-	mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	14	10	26	22	-	-	-	mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	237	55	189	197	-	-	-	mg/kg	1	A-T-024s

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/1	25/07528/2	25/07528/3	25/07528/4	25/07528/5	25/07528/6	25/07528/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/6F2/1/1	CL/6F2/1/2	CL/F/1/3	CL/F/1/4	CL/HS1/N/1/1	CL/HS1/S/1/1	CL/HS1/E/1/1			
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	08-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4ABE	4ABE	6AB	6AB	4AB	4AB	4AB			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	NAD	Chrysotile	Chrysotile	-	-	-			A-T-045
Asbestos Matrix (visual)$_D$	-	-	-	-	-	-	-			A-T-045
Asbestos Matrix (microscope)$_D$	-	-	Loose Fibres	Loose Fibres	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	N/A	-	-	-			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_D$	-	-	0.003	0.001	-	-	-	% w/w	0.001	A-T-054

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/1	25/07528/2	25/07528/3	25/07528/4	25/07528/5	25/07528/6	25/07528/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/6F2/1/1	CL/6F2/1/2	CL/F/1/3	CL/F/1/4	CL/HS1/N/1/1	CL/HS1/S/1/1	CL/HS1/E/1/1			
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	08-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4ABE	4ABE	6AB	6AB	4AB	4AB	4AB			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	0.28	0.11	-	-	-	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	0.43	0.22	-	-	-	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	0.02	2.08	0.97	-	-	-	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	0.05	4.34	1.96	-	-	-	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04	2.06	0.87	-	-	-	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05	2.16	1.05	-	-	-	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	0.92	0.47	-	-	-	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	0.72	0.35	-	-	-	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	0.06	3.02	1.39	-	-	-	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	0.27	0.11	-	-	-	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	0.11	7.47	3.43	-	-	-	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	0.02	0.70	0.32	-	-	-	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03	0.90	0.43	-	-	-	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	0.16	0.09	-	-	-	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	0.06	4.15	1.96	-	-	-	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	0.12	6.71	3.09	-	-	-	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	0.44	36.4	16.8	-	-	-	mg/kg	0.01	A-T-019s

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/1	25/07528/2	25/07528/3	25/07528/4	25/07528/5	25/07528/6	25/07528/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/6F2/1/1	CL/6F2/1/2	CL/F/1/3	CL/F/1/4	CL/HS1/N/1/1	CL/HS1/S/1/1	CL/HS1/E/1/1			
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	08-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4ABE	4ABE	6AB	6AB	4AB	4AB	4AB			
VOC										
Dichlorodifluoromethane$_A$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Chloromethane$_A$	<10	<10	<10	<10	-	-	-	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Bromomethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Chloroethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Trichlorofluoromethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Carbon Disulphide$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Dichloromethane$_A$	<5	<5	<5	<5	-	-	-	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
2,2-Dichloropropane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Bromochloromethane$_A^\#$	<5	<5	<5	<5	-	-	-	µg/kg	5	A-T-006s
Chloroform$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloropropene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Carbon Tetrachloride$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,2-Dichloroethane$_A^\#$	<2	<2	<2	<2	-	-	-	µg/kg	2	A-T-006s
Benzene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Trichloroethene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,2-Dichloropropane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Dibromomethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Bromodichloromethane$_A^\#$	<10	<10	<10	<10	-	-	-	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Toluene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,3-Dichloropropane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Tetrachloroethene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	<3	<3	<3	<3	-	-	-	µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/1	25/07528/2	25/07528/3	25/07528/4	25/07528/5	25/07528/6	25/07528/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/6F2/1/1	CL/6F2/1/2	CL/F/1/3	CL/F/1/4	CL/HS1/N/1/1	CL/HS1/S/1/1	CL/HS1/E/1/1			
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	08-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4ABE	4ABE	6AB	6AB	4AB	4AB	4AB			
Chlorobenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<3	<3	<3	<3	-	-	-	µg/kg	3	A-T-006s
Isopropylbenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	<2	<2	<2	<2	-	-	-	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2	<2	<2	<2	-	-	-	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3	<3	<3	<3	-	-	-	µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3	<3	<3	<3	-	-	-	µg/kg	3	A-T-006s

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/1	25/07528/2	25/07528/3	25/07528/4	25/07528/5	25/07528/6	25/07528/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/6F2/1/1	CL/6F2/1/2	CL/F/1/3	CL/F/1/4	CL/HS1/N/1/1	CL/HS1/S/1/1	CL/HS1/E/1/1			
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	08-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4ABE	4ABE	6AB	6AB	4AB	4AB	4AB			
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	2	<10	<10	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	5	10	<10	<10	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	17	20	12	14	3	1	2	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	29	34	20	29	7	4	5	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	65	61	120	84	42	39	65	mg/kg	1	A-T-055s
Total Aliphatics$_A$	116	128	151	127	52	45	72	mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	2	2	<10	<10	2	1	2	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	2	3	12	<10	2	<1	2	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	10	12	79	44	11	4	8	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	17	25	157	116	35	13	23	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	12	14	299	377	99	45	75	mg/kg	1	A-T-055s
Total Aromatics$_A$	42	56	547	538	150	64	110	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	159	184	698	665	202	108	182	mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/8	25/07528/9						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS1/W/1/1	CL/HS1/B/1/1								
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	03-Jul-25								
Sample Type	SOIL - ES	SOIL - ES								
Sample Matrix Code	4AB	4AB								
% Stones >10mm$_A$	41.2	32.9						% w/w	0.1	A-T-044

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/8	25/07528/9						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS1/W/1/1	CL/HS1/B/1/1								
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	03-Jul-25								
Sample Type	SOIL - ES	SOIL - ES								
Sample Matrix Code	4AB	4AB								
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1						mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1						mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	3	2						mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	8	5						mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	45	44						mg/kg	1	A-T-055s
Total Aliphatics$_A$	56	51						mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	1	2						mg/kg	1	A-T-055s
Aro >C10-C12$_A$	1	2						mg/kg	1	A-T-055s
Aro >C12-C16$_A$	16	8						mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	50	24						mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	110	85						mg/kg	1	A-T-055s
Total Aromatics$_A$	178	120						mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	235	171						mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s

Report Notes

General

•This report shall not be reproduced, except in full, without written approval from Envirolab.
•The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
•The results reported herein relate only to the material supplied to the laboratory.
•The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
•Analytical results reflect the quality of the sample at the time of analysis only.
•Opinions and Interpretations expressed are outside our scope of accreditation.
•A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
•If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
•Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "D" on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript "^"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
"Trace Asbestos Identified" will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:
For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:
EPH CWG results have humics mathematically subtracted through instrument calculation.
Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:
Results greater than 12900µS/cm @ 25^0C / 11550µS/cm @ 20^0C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Civils and Remediation Ltd, Grosvenor House, 3 Chapel Street, Congleton, Cheshire, UK, CW12 4AB

Project: City Works 4

Clients Project No: C332

Project No: 25/07528

Date Received: 11/07/2025 (am)

Cool Box Temperatures (°C): 22.2

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/07528/1	25/07528/2	25/07528/3	25/07528/4	25/07528/5	25/07528/6	25/07528/7	25/07528/8	25/07528/9
Client Sample No									
Client Sample ID/Depth	CL/6F2/1/1	CL/6F2/1/2	CL/F/1/3	CL/F/1/4	CL/HS1/N/1/1	CL/HS1/S/1/1	CL/HS1/E/1/1	CL/HS1/W/1/1	CL/HS1/B/1/1
Date Sampled	03/07/25	08/07/25	03/07/25	03/07/25	03/07/25	03/07/25	03/07/25	03/07/25	03/07/25
A-T-006s	18/07/2025	18/07/2025	18/07/2025	18/07/2025					
A-T-019s	17/07/2025	17/07/2025	17/07/2025	17/07/2025					
A-T-022s	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025
A-T-024s	18/07/2025	18/07/2025	18/07/2025	18/07/2025					
A-T-027s	18/07/2025	18/07/2025	18/07/2025	18/07/2025					
A-T-040s	17/07/2025	17/07/2025	17/07/2025	17/07/2025					
A-T-042sFCN	17/07/2025	17/07/2025	17/07/2025	17/07/2025					
A-T-044	16/07/2025	16/07/2025	16/07/2025	16/07/2025	16/07/2025	16/07/2025	16/07/2025	16/07/2025	16/07/2025
A-T-045	15/07/2025	15/07/2025	15/07/2025	15/07/2025					
A-T-050s	17/07/2025	17/07/2025	17/07/2025	17/07/2025					
A-T-054			16/07/2025	16/07/2025					
A-T-055s	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025
Calc	18/07/2025	18/07/2025	18/07/2025	18/07/2025					
Calc-As Recd	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/07885
Issue Number: 1 **Date:** 30 July, 2025

Client: Civils and Remediation Ltd
Grosvenor House
3 Chapel Street
Congleton
Cheshire
UK
CW12 4AB

Project Manager: Tom Magee
Project Name: City Works 4
Project Ref: C332
Order No: C332-SCO-006
Date Samples Received: 16/07/25
Date Instructions Received: 21/07/25
Date Analysis Completed: 30/07/25

Approved by:

[redacted]

Gemma Berrisford
Deputy Client Services Supervisor

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/1	25/07885/2	25/07885/3	25/07885/4	25/07885/5	25/07885/6	25/07885/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS2/N/1/1	CL/HS2/S/1/1	CL/HS2/E/1/1	CL/HS2/W/1/1	CL/HS2/B/1/1	CL/HS3/N/1/1	CL/HS3/S/1/1			
Depth to Top	2.40	2.40	2.40	2.40	2.40	3.40	3.40			
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	5A	5A	5A	5A	5A	5A	5A			
% Stones >10mm$_A$	<0.1	<0.1	1.8	<0.1	<0.1	<0.1	1.2	% w/w	0.1	A-T-044

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/1	25/07885/2	25/07885/3	25/07885/4	25/07885/5	25/07885/6	25/07885/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS2/N/1/1	CL/HS2/S/1/1	CL/HS2/E/1/1	CL/HS2/W/1/1	CL/HS2/B/1/1	CL/HS3/N/1/1	CL/HS3/S/1/1			
Depth to Top	2.40	2.40	2.40	2.40	2.40	3.40	3.40			
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	5A	5A	5A	5A	5A	5A	5A			
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C16-C21$_A$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C21-C35$_A$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Total Aliphatics$_A$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	Calc-As Recd
Aro >C5-C7$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C16-C21$_A$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C21-C35$_A$$^{M\#}$	<1	<1	1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Total Aromatics$_A$	<1	<1	1	<1	<1	<1	<1	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	<1	<1	1	<1	<1	<1	<1	mg/kg	1	Calc-As Recd
BTEX - Benzene$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/8	25/07885/9	25/07885/10	25/07885/11				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS3/E/1/1	CL/HS3/W/1/1	CL/HS3/B/1/1	CL/F/1/5						
Depth to Top	3.40	3.40	3.80	1.90						
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	15-Jul-25						
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES						
Sample Matrix Code	5A	5A	5A	5A						
% Stones >10mm$_A$	<0.1	<0.1	<0.1	<0.1				% w/w	0.1	A-T-044
Cyanide (free)$_A^{M\#}$	-	-	-	<1				mg/kg	1	A-T-042sFCN
Phenols - Total by HPLC$_A$	-	-	-	<0.2				mg/kg	0.2	A-T-050s
Arsenic$_D^{M\#}$	-	-	-	6				mg/kg	1	A-T-024s
Barium$_D^{\#}$	-	-	-	147				mg/kg	3	A-T-024s
Beryllium$_D$	-	-	-	0.9				mg/kg	0.5	A-T-024s
Boron (water soluble)$_D^{M\#}$	-	-	-	<1.0				mg/kg	1	A-T-027s
Cadmium$_D$	-	-	-	<1.0				mg/kg	1	A-T-024s
Copper$_D^{M\#}$	-	-	-	24				mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	-	-	-	19				mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	-	-	-	<1				mg/kg	1	A-T-040s
Chromium (trivalent)	-	-	-	19				mg/kg	1	Calc
Lead$_D^{M\#}$	-	-	-	15				mg/kg	1	A-T-024s
Mercury$_D$	-	-	-	<0.17				mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	-	-	-	31				mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	-	-	-	2				mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	-	-	-	20				mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	-	-	-	57				mg/kg	1	A-T-024s

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/8	25/07885/9	25/07885/10	25/07885/11				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS3/E/1/1	CL/HS3/W/1/1	CL/HS3/B/1/1	CL/F/1/5						
Depth to Top	3.40	3.40	3.80	1.90						
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	15-Jul-25						
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES						
Sample Matrix Code	5A	5A	5A	5A						
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	-	-	-	NAD						A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-	-						A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-	-						A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	-	-	-	N/A						A-T-045

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/8	25/07885/9	25/07885/10	25/07885/11				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS3/E/1/1	CL/HS3/W/1/1	CL/HS3/B/1/1	CL/F/1/5						
Depth to Top	3.40	3.40	3.80	1.90						
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	15-Jul-25						
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES						
Sample Matrix Code	5A	5A	5A	5A						
PAH-16MS										
Acenaphthene$_A^{M\#}$	-	-	-	<0.01				mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	-	-	-	<0.01				mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	-	-	-	<0.02				mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	-	-	-	<0.04				mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	-	-	-	<0.04				mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	-	-	-	<0.05				mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	-	-	-	<0.05				mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	-	-	-	<0.07				mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	-	-	-	<0.06				mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	-	-	-	<0.04				mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	-	-	-	<0.08				mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	-	-	-	<0.01				mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	-	-	-	<0.03				mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	-	-	-	<0.03				mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	-	-	-	<0.03^U				mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	-	-	-	<0.07				mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	-	-	-	<0.08				mg/kg	0.01	A-T-019s

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/8	25/07885/9	25/07885/10	25/07885/11				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS3/E/1/1	CL/HS3/W/1/1	CL/HS3/B/1/1	CL/F/1/5						
Depth to Top	3.40	3.40	3.80	1.90						
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	15-Jul-25						
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES						
Sample Matrix Code	5A	5A	5A	5A						
VOC excl. BTEX										
Dichlorodifluoromethane$_A$	-	-	-	<25				µg/kg	1	A-T-006s
Chloromethane$_A$	-	-	-	<250				µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Bromomethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Chloroethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Trichlorofluoromethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,1-Dichloroethene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Carbon Disulphide$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Dichloromethane$_A$	-	-	-	<125				µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,1-Dichloroethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
2,2-Dichloropropane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Bromochloromethane$_A^\#$	-	-	-	<125				µg/kg	5	A-T-006s
Chloroform$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,1-Dichloropropene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Carbon Tetrachloride$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,2-Dichloroethane$_A^\#$	-	-	-	<50				µg/kg	2	A-T-006s
Trichloroethene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,2-Dichloropropane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Dibromomethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Bromodichloromethane$_A^\#$	-	-	-	<250				µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,3-Dichloropropane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Tetrachloroethene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	-	-	-	<75				µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Chlorobenzene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	-	-	-	<25				µg/kg	1	A-T-006s

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/8	25/07885/9	25/07885/10	25/07885/11				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS3/E/1/1	CL/HS3/W/1/1	CL/HS3/B/1/1	CL/F/1/5						
Depth to Top	3.40	3.40	3.80	1.90						
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	15-Jul-25						
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES						
Sample Matrix Code	5A	5A	5A	5A						
Styrene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	-	-	-	<75				µg/kg	3	A-T-006s
Isopropylbenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	-	-	-	<25				µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	-	-	-	<50				µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	-	-	-	<25				µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	-	-	-	<50				µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	-	-	-	<75				µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	-	-	-	<75				µg/kg	3	A-T-006s

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/8	25/07885/9	25/07885/10	25/07885/11				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS3/E/1/1	CL/HS3/W/1/1	CL/HS3/B/1/1	CL/F/1/5						
Depth to Top	3.40	3.40	3.80	1.90						
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	15-Jul-25						
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES						
Sample Matrix Code	5A	5A	5A	5A						
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.03	<0.03	<0.03	<0.03				mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.03	<0.03	<0.03	<0.03				mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Total Aliphatics$_A$	<1	<1	<1	<1				mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Total Aromatics$_A$	<1	<1	<1	<1				mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	<1	<1	<1	<1				mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s

Report Notes

General

•This report shall not be reproduced, except in full, without written approval from Envirolab.
•The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
•The results reported herein relate only to the material supplied to the laboratory.
•The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
•Analytical results reflect the quality of the sample at the time of analysis only.
•Opinions and Interpretations expressed are outside our scope of accreditation.
•A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
•If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
•Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "D" on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript "^"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
"Trace Asbestos Identified" will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:
For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:
EPH CWG results have humics mathematically subtracted through instrument calculation.
Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:
Results greater than 12900µS/cm @ 25^0C / 11550µS/cm @ 20^0C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Civils and Remediation Ltd, Grosvenor House, 3 Chapel Street, Congleton, Cheshire, UK, CW12 4AB

Project: City Works 4

Clients Project No: C332

Project No: 25/07885

Date Received: 21/07/2025 (am)

Cool Box Temperatures (°C): 18.1

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/07885/1	25/07885/2	25/07885/3	25/07885/4	25/07885/5	25/07885/6	25/07885/7	25/07885/8	25/07885/9	25/07885/10
Client Sample No										
Client Sample ID/Depth	CL/HS2/N/1/1 2.40m	CL/HS2/S/1/1 2.40m	CL/HS2/E/1/1 2.40m	CL/HS2/W/1/1 2.40m	CL/HS2/B/1/1 2.40m	CL/HS3/N/1/1 3.40m	CL/HS3/S/1/1 3.40m	CL/HS3/E/1/1 3.40m	CL/HS3/W/1/1 3.40m	CL/HS3/B/1/1 3.80m
Date Sampled	11/07/25	11/07/25	11/07/25	11/07/25	11/07/25	11/07/25	11/07/25	11/07/25	11/07/25	11/07/25
A-T-006s										
A-T-019s										
A-T-022s	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025
A-T-024s										
A-T-027s										
A-T-040s										
A-T-042sFCN										
A-T-044	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025
A-T-045										
A-T-050s										
A-T-055s	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025
Calc										
Calc-As Recd	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025

Lab Sample ID	25/07885/11
Client Sample No	
Client Sample ID/Depth	CL/F/1/5 1.90m
Date Sampled	15/07/25
A-T-006s	29/07/2025
A-T-019s	30/07/2025
A-T-022s	28/07/2025
A-T-024s	30/07/2025
A-T-027s	28/07/2025
A-T-040s	29/07/2025
A-T-042sFCN	28/07/2025
A-T-044	29/07/2025
A-T-045	22/07/2025
A-T-050s	28/07/2025
A-T-055s	29/07/2025
Calc	30/07/2025
Calc-As Recd	29/07/2025

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/08259
Issue Number: 1 **Date:** 05 August, 2025

Client:
Civils and Remediation Ltd
Grosvenor House
3 Chapel Street
Congleton
Cheshire
UK
CW12 4AB

Project Manager: Tom Magee
Project Name: City Works 4
Project Ref: C332
Order No: C332-SCO-006
Date Samples Received: 29/07/25
Date Instructions Received: 30/07/25
Date Analysis Completed: 05/08/25

Approved by:

[redacted]

Richard Wong
Client Manager

Envirolab Job Number: 25/08259

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/08259/1	25/08259/2	25/08259/3	25/08259/4	25/08259/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS4/N/1/1	CL/HS4/S/1/1	CL/HS4/E/1/1	CL/HS4/W/1/1	CL/HS4/B/1/1					
Depth to Top	2.30	2.30	2.30	2.30	2.50					
Depth To Bottom										
Date Sampled	25-Jul-25	25-Jul-25	25-Jul-25	25-Jul-25	25-Jul-25					
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES					
Sample Matrix Code	4ABE	4ABE	4ABE	4ABE	4ABE					
% Stones >10mm$_A$	24.3	31.9	28.0	22.2	24.2			% w/w	0.1	A-T-044

Envirolab Job Number: 25/08259

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/08259/1	25/08259/2	25/08259/3	25/08259/4	25/08259/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS4/N/1/1	CL/HS4/S/1/1	CL/HS4/E/1/1	CL/HS4/W/1/1	CL/HS4/B/1/1					
Depth to Top	2.30	2.30	2.30	2.30	2.50					
Depth To Bottom										
Date Sampled	25-Jul-25	25-Jul-25	25-Jul-25	25-Jul-25	25-Jul-25					
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES					
Sample Matrix Code	4ABE	4ABE	4ABE	4ABE	4ABE					
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1	<1	<1			mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	<1	<1	<1			mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	2	<1	<1	<1	3			mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	5	3	2	4	5			mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	37	30	26	45	30			mg/kg	1	A-T-055s
Total Aliphatics$_A$	43	34	30	50	38			mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	<1	<1	<1			mg/kg	1	A-T-055s
Aro >C10-C12$_A$	2	2	<1	<1	<1			mg/kg	1	A-T-055s
Aro >C12-C16$_A$	8	5	4	5	7			mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	40	22	19	23	27			mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	127	88	85	100	125			mg/kg	1	A-T-055s
Total Aromatics$_A$	178	118	110	129	161			mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	221	152	140	179	199			mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s

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•The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
•The results reported herein relate only to the material supplied to the laboratory.
•The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
•Analytical results reflect the quality of the sample at the time of analysis only.
•Opinions and Interpretations expressed are outside our scope of accreditation.
•A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
•If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
•Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "D" on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript "^"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
"Trace Asbestos Identified" will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:

All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:

For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:

EPH CWG results have humics mathematically subtracted through instrument calculation.
Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:

Results greater than 12900µS/cm @ 25^0C / 11550µS/cm @ 20^0C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Civils and Remediation Ltd, Grosvenor House, 3 Chapel Street, Congleton, Cheshire, UK, CW12 4AB

Project: City Works 4

Clients Project No: C332

Project No: 25/08259

Date Received: 30/07/2025 (am)

Cool Box Temperatures (°C): 19.2

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/08259/1	25/08259/2	25/08259/3	25/08259/4	25/08259/5
Client Sample No					
Client Sample ID/Depth	CL/HS4/N/1/1 2.30m	CL/HS4/S/1/1 2.30m	CL/HS4/E/1/1 2.30m	CL/HS4/W/1/1 2.30m	CL/HS4/B/1/1 2.50m
Date Sampled	25/07/25	25/07/25	25/07/25	25/07/25	25/07/25
A-T-022s	04/08/2025	04/08/2025	04/08/2025	04/08/2025	04/08/2025
A-T-044	05/08/2025	05/08/2025	05/08/2025	05/08/2025	05/08/2025
A-T-055s	04/08/2025	04/08/2025	04/08/2025	04/08/2025	04/08/2025
Calc-As Recd	04/08/2025	04/08/2025	04/08/2025	04/08/2025	04/08/2025

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/09174
Issue Number: 1 **Date:** 28 August, 2025

Client:
Civils and Remediation Ltd
Grosvenor House
3 Chapel Street
Congleton
Cheshire
UK
CW12 4AB

Project Manager: Tom Magee
Project Name: City Works 4
Project Ref: C332
Order No: C332-SCO-006
Date Samples Received: 19/08/25
Date Instructions Received: 20/08/25
Date Analysis Completed: 28/08/25

Approved by:

[redacted]

Danielle Brierley
Client Services Supervisor

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/MOT/1/3	CL/MOT/1/4	CL/6F2/1/3	CL/6F2/1/4	CL/IF/1/1	CL/IF/1/2	CL/IF/1/3			
Depth to Top	0.10	0.15	0.70	0.50	1.20	1.10	1.50			
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4A	4A	4AB	6A	6A	6A			
% Stones >10mm$_A$	12.7	<0.1	<0.1	<0.1	4.6	4.2	5.0	% w/w	0.1	A-T-044
Cyanide (free)$_A^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-042sFCN
Cyanide (total)$_A^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Arsenic$_D^{M\#}$	<1	2	3	4	3	2	3	mg/kg	1	A-T-024s
Barium$_D^{\#}$	95	118	151	156	175	126	133	mg/kg	3	A-T-024s
Beryllium$_D$	<0.5	<0.5	<0.5	<0.5	1.0	1.0	0.9	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D^{M\#}$	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	mg/kg	1	A-T-024s
Copper$_D^{M\#}$	10	20	16	17	22	22	22	mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	18	12	12	11	23	23	23	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	18	12	12	11	23	23	23	mg/kg	1	Calc
Lead$_D^{M\#}$	20	74	41	55	16	10	10	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	10	14	35	24	31	33	32	mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	9	11	11	10	22	22	22	mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	45	75	80	76	52	54	52	mg/kg	1	A-T-024s

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/MOT/1/3	CL/MOT/1/4	CL/6F2/1/3	CL/6F2/1/4	CL/IF/1/1	CL/IF/1/2	CL/IF/1/3			
Depth to Top	0.10	0.15	0.70	0.50	1.20	1.10	1.50			
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4A	4A	4AB	6A	6A	6A			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD	Chrysotile	Chrysotile	Chrysotile	NAD	NAD	NAD			A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-	-	-	-	-			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	Loose Fibres	Loose Fibres	Loose Fibres	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	<0.001	<0.001	<0.001	-	-	-	% w/w	0.001	A-T-054

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/MOT/1/3	CL/MOT/1/4	CL/6F2/1/3	CL/6F2/1/4	CL/IF/1/1	CL/IF/1/2	CL/IF/1/3			
Depth to Top	0.10	0.15	0.70	0.50	1.20	1.10	1.50			
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4A	4A	4AB	6A	6A	6A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.05	0.04	0.04	0.02	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.05	0.07	0.05	0.05	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.24	0.22	0.23	0.16	<0.02	<0.02	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.68	0.91	0.46	0.36	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.65	0.82	0.35	0.23	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.84	0.99	0.48	0.37	<0.05	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.41	0.49	0.18	0.14	<0.05	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.31	0.36	0.19	0.13	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.68	0.80	0.45	0.34	<0.06	<0.06	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	0.11	0.13	0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	1.40	1.79	0.95	0.61	<0.08	<0.08	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.06	0.07	0.09	0.07	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.47	0.56	0.19	0.14	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.68	0.65	0.65	0.40	0.03	0.04	0.04	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	1.18	1.54	0.78	0.52	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	7.81	9.44	5.13	3.54	<0.08	<0.08	<0.08	mg/kg	0.01	A-T-019s

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/MOT/1/3	CL/MOT/1/4	CL/6F2/1/3	CL/6F2/1/4	CL/IF/1/1	CL/IF/1/2	CL/IF/1/3			
Depth to Top	0.10	0.15	0.70	0.50	1.20	1.10	1.50			
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4A	4A	4AB	6A	6A	6A			
VOC										
Dichlorodifluoromethane$_A$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Chloromethane$_A$	<10	<10	<10	<10	<250	<250	<250	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Bromomethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Chloroethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Trichlorofluoromethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,1-Dichloroethene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Carbon Disulphide$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Dichloromethane$_A$	<5	<5	<5	<5	<125	<125	<125	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,1-Dichloroethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
2,2-Dichloropropane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Bromochloromethane$_A^\#$	<5	<5	<5	<5	<125	<125	<125	µg/kg	5	A-T-006s
Chloroform$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,1-Dichloropropene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Carbon Tetrachloride$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,2-Dichloroethane$_A^\#$	<2	<2	<2	<2	<50	<50	<50	µg/kg	2	A-T-006s
Benzene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Trichloroethene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,2-Dichloropropane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Dibromomethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Bromodichloromethane$_A^\#$	<10	<10	<10	<10	<250	<250	<250	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Toluene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,3-Dichloropropane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Tetrachloroethene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	<3	<3	<3	<3	<75	<75	<75	µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/MOT/1/3	CL/MOT/1/4	CL/6F2/1/3	CL/6F2/1/4	CL/IF/1/1	CL/IF/1/2	CL/IF/1/3			
Depth to Top	0.10	0.15	0.70	0.50	1.20	1.10	1.50			
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4A	4A	4AB	6A	6A	6A			
Chlorobenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	<2	<2	<2	<2	<50	<50	<50	µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<3	<3	<3	<3	<75	<75	<75	µg/kg	3	A-T-006s
Isopropylbenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	<2	<2	<2	<2	<50	<50	<50	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2	<2	<2	<2	<50	<50	<50	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3	<3	<3	<3	<75	<75	<75	µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3	<3	<3	<3	<75	<75	<75	µg/kg	3	A-T-006s

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/MOT/1/3	CL/MOT/1/4	CL/6F2/1/3	CL/6F2/1/4	CL/IF/1/1	CL/IF/1/2	CL/IF/1/3			
Depth to Top	0.10	0.15	0.70	0.50	1.20	1.10	1.50			
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4A	4A	4AB	6A	6A	6A			
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<10	<10	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<10	<10	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<10	<10	<1	<1	2	2	2	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<10	<10	3	5	2	2	2	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	119	127	42	66	4	3	4	mg/kg	1	A-T-055s
Total Aliphatics$_A$	119	127	45	71	9	8	9	mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<10	<10	<1	1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<10	<10	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<10	<10	3	5	3	2	3	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	15	18	10	21	6	4	6	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	80	89	34	71	20	11	17	mg/kg	1	A-T-055s
Total Aromatics$_A$	95	108	47	99	29	18	25	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	215	235	92	170	38	25	34	mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/8	25/09174/10	25/09174/11					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/IF/1/4	CL/F/1/6	CL/F/1/7							
Depth to Top	0.90	1.20	0.90							
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES							
Sample Matrix Code	6A	4A	4AB							
% Stones >10mm$_A$	4.9	<0.1	<0.1					% w/w	0.1	A-T-044
Cyanide (free)$_A^{M\#}$	<1	<1	<1					mg/kg	1	A-T-042sFCN
Cyanide (total)$_A^{M\#}$	<1	<1	<1					mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2					mg/kg	0.2	A-T-050s
Arsenic$_D^{M\#}$	2	57	60					mg/kg	1	A-T-024s
Barium$_D^{\#}$	132	240	222					mg/kg	3	A-T-024s
Beryllium$_D$	1.0	1.7	2.0					mg/kg	0.5	A-T-024s
Boron (water soluble)$_D^{M\#}$	<1.0	<1.0	<1.0					mg/kg	1	A-T-027s
Cadmium$_D$	<1.0	<1.0	<1.0					mg/kg	1	A-T-024s
Copper$_D^{M\#}$	24	88	94					mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	27	18	30					mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1					mg/kg	1	A-T-040s
Chromium (trivalent)	27	18	30					mg/kg	1	Calc
Lead$_D^{M\#}$	10	160	211					mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	0.18					mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	37	40	59					mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	<1	2	2					mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	25	34	34					mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	57	204	150					mg/kg	1	A-T-024s

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/8	25/09174/10	25/09174/11					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/IF/1/4	CL/F/1/6	CL/F/1/7							
Depth to Top	0.90	1.20	0.90							
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES							
Sample Matrix Code	6A	4A	4AB							
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD	Chrysotile	Chrysotile							A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-							A-T-045
Asbestos Matrix (microscope)$_{D}$	-	Loose Fibres	Loose Fibres							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A							A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	0.001	<0.001					% w/w	0.001	A-T-054

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/8	25/09174/10	25/09174/11					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/IF/1/4	CL/F/1/6	CL/F/1/7							
Depth to Top	0.90	1.20	0.90							
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES							
Sample Matrix Code	6A	4A	4AB							
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	0.19	0.03					mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	0.28	0.06					mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	1.69	0.19					mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.07	5.65	1.09					mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	2.10	0.99					mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	2.93	1.44					mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	0.91	0.63					mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	1.01	0.51					mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	3.60	1.02					mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	0.25	0.16					mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	5.70	1.60					mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	0.47	0.05					mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	0.84	0.70					mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	0.28	0.04					mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.03	3.46	0.59					mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	5.33	1.41					mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	0.10	34.7	10.5					mg/kg	0.01	A-T-019s

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/8	25/09174/10	25/09174/11					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/IF/1/4	CL/F/1/6	CL/F/1/7							
Depth to Top	0.90	1.20	0.90							
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES							
Sample Matrix Code	6A	4A	4AB							
VOC										
Dichlorodifluoromethane$_{A}$	<25	<1	<25					µg/kg	1	A-T-006s
Chloromethane$_{A}$	<250	<10	<250					µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Dichloromethane$_{A}$	<125	<5	<125					µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	<125	<5	<125					µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	<50	<2	<50					µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	<250	<10	<250					µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	<75	<3	<75					µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s

Lab Sample ID	25/09174/8	25/09174/10	25/09174/11					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/IF/1/4	CL/F/1/6	CL/F/1/7							
Depth to Top	0.90	1.20	0.90							
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES							
Sample Matrix Code	6A	4A	4AB							
Chlorobenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	<25	<1	<25					µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	<50	<2	<50					µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
o-Xylene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
Styrene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
Bromoform$_A^\#$	<75	<3	<75					µg/kg	3	A-T-006s
Isopropylbenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	<25	<1	<25					µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	<50	<2	<50					µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	<25	<1	<25					µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	<50	<2	<50					µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	<75	<3	<75					µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	<75	<3	<75					µg/kg	3	A-T-006s

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/8	25/09174/10	25/09174/11					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/IF/1/4	CL/F/1/6	CL/F/1/7							
Depth to Top	0.90	1.20	0.90							
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES							
Sample Matrix Code	6A	4A	4AB							
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1					mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	<1					mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	1	2	2					mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	1	6	6					mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	3	40	52					mg/kg	1	A-T-055s
Total Aliphatics$_A$	6	48	61					mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	2	2					mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	1	2					mg/kg	1	A-T-055s
Aro >C12-C16$_A$	2	8	7					mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	4	43	28					mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	10	249	141					mg/kg	1	A-T-055s
Total Aromatics$_A$	17	304	181					mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	22	353	241					mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s

Report Notes

General

•This report shall not be reproduced, except in full, without written approval from Envirolab.
•The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
•The results reported herein relate only to the material supplied to the laboratory.
•The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
•Analytical results reflect the quality of the sample at the time of analysis only.
•Opinions and Interpretations expressed are outside our scope of accreditation.
•A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
•If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
•Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "D" on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript "^"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
"Trace Asbestos Identified" will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:
For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:
EPH CWG results have humics mathematically subtracted through instrument calculation.
Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:
Results greater than 12900µS/cm @ 25^0C / 11550µS/cm @ 20^0C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Civils and Remediation Ltd, Grosvenor House, 3 Chapel Street, Congleton, Cheshire, UK, CW12 4AB

Project: City Works 4

Clients Project No: C332

Project No: 25/09174

Date Received: 20/08/2025 (am)

Cool Box Temperatures (°C): 16.2

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	25/09174/8	25/09174/10	25/09174/11
Client Sample No										
Client Sample ID/Depth	CL/MOT/1/3 0.10m	CL/MOT/1/4 0.15m	CL/6F2/1/3 0.70m	CL/6F2/1/4 0.50m	CL/IF/1/1 1.20m	CL/IF/1/2 1.10m	CL/IF/1/3 1.50m	CL/IF/1/4 0.90m	CL/F/1/6 1.20m	CL/F/1/7 0.90m
Date Sampled										
Deviation Code										
E (no date)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Key
E (no date) *No sampling date provided (all results affected if not provided)*

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	25/09174/8	25/09174/10	25/09174/11
Client Sample No										
Client Sample ID/Depth	CL/MOT/1/3 0.10m	CL/MOT/1/4 0.15m	CL/6F2/1/3 0.70m	CL/6F2/1/4 0.50m	CL/IF/1/1 1.20m	CL/IF/1/2 1.10m	CL/IF/1/3 1.50m	CL/IF/1/4 0.90m	CL/F/1/6 1.20m	CL/F/1/7 0.90m
Date Sampled										
A-T-006s	22/08/2025	22/08/2025	22/08/2025	22/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	22/08/2025	27/08/2025
A-T-019s	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025
A-T-022s	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025
A-T-024s	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025
A-T-027s	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025
A-T-040s	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025
A-T-042sFCN	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025
A-T-042sTCN	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025
A-T-044	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025
A-T-045	21/08/2025	21/08/2025	21/08/2025	21/08/2025	21/08/2025	21/08/2025	21/08/2025	21/08/2025	21/08/2025	21/08/2025
A-T-050s	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025
A-T-054		22/08/2025	22/08/2025	22/08/2025					22/08/2025	22/08/2025
A-T-055s	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025
Calc	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025
Calc-As Recd	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/09438
Issue Number: 1 **Date:** 02 September, 2025

Client:
Civils and Remediation Ltd
Grosvenor House
3 Chapel Street
Congleton
Cheshire
UK
CW12 4AB

Project Manager: Tom Magee
Project Name: City Works 4
Project Ref: C332
Order No: C3322-SCO-006
Date Samples Received: 26/08/25
Date Instructions Received: 27/08/25
Date Analysis Completed: 02/09/25

Approved by:

[redacted]

Amy Riding
Administration Assistant

Envirolab Job Number: 25/09438

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09438/1	25/09438/2	25/09438/3	25/09438/4	25/09438/5	25/09438/6		Units	Limit of Detection	Method ref
Client Sample No						SP				
Client Sample ID	CL/HS5/N/1/1	CL/HS5/S/1/1	CL/HS5/W/1/1	CL/HS5/E/1/1	CL/HS5/B/1/1	CL/QP/1/1				
Depth to Top	2.10	2.10	2.10	2.10	2.70					
Depth To Bottom										
Date Sampled	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	6ABE				
% Stones >10mm$_A$	<0.1	<0.1	<0.1	<0.1	<0.1	8.9		% w/w	0.1	A-T-044
Cyanide (free)$_A^{M\#}$	-	-	-	-	-	<1		mg/kg	1	A-T-042sFCN
Phenols - Total by HPLC$_A$	-	-	-	-	-	3.2		mg/kg	0.2	A-T-050s
Organic Matter$_D^{M\#}$	-	-	-	-	-	5.01		% w/w	0.14	A-T-032s
Arsenic$_D^{M\#}$	-	-	-	-	-	9		mg/kg	1	A-T-024s
Barium$_D^{\#}$	-	-	-	-	-	138		mg/kg	3	A-T-024s
Beryllium$_D$	-	-	-	-	-	1.1		mg/kg	0.5	A-T-024s
Boron (water soluble)$_D^{M\#}$	-	-	-	-	-	<1.0		mg/kg	1	A-T-027s
Cadmium$_D$	-	-	-	-	-	<1.0		mg/kg	1	A-T-024s
Copper$_D^{M\#}$	-	-	-	-	-	42		mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	-	-	-	-	-	18		mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	-	-	-	-	-	<1		mg/kg	1	A-T-040s
Chromium (trivalent)	-	-	-	-	-	18		mg/kg	1	Calc
Lead$_D^{M\#}$	-	-	-	-	-	56		mg/kg	1	A-T-024s
Mercury$_D$	-	-	-	-	-	<0.17		mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	-	-	-	-	-	27		mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	-	-	-	-	-	2		mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	-	-	-	-	-	19		mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	-	-	-	-	-	108		mg/kg	1	A-T-024s

Envirolab Job Number: 25/09438

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09438/1	25/09438/2	25/09438/3	25/09438/4	25/09438/5	25/09438/6		Units	Limit of Detection	Method ref
Client Sample No						SP				
Client Sample ID	CL/HS5/N/1/1	CL/HS5/S/1/1	CL/HS5/W/1/1	CL/HS5/E/1/1	CL/HS5/B/1/1	CL/QP/1/1				
Depth to Top	2.10	2.10	2.10	2.10	2.70					
Depth To Bottom										
Date Sampled	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	6ABE				
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	-	-	-	-	-	NAD				A-T-045
Asbestos Matrix (visual)$_D$	-	-	-	-	-	-				A-T-045
Asbestos Matrix (microscope)$_D$	-	-	-	-	-	-				A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	-	-	-	-	-	N/A				A-T-045

Envirolab Job Number: 25/09438

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09438/1	25/09438/2	25/09438/3	25/09438/4	25/09438/5	25/09438/6		Units	Limit of Detection	Method ref
Client Sample No						SP				
Client Sample ID	CL/HS5/N/1/1	CL/HS5/S/1/1	CL/HS5/W/1/1	CL/HS5/E/1/1	CL/HS5/B/1/1	CL/QP/1/1				
Depth to Top	2.10	2.10	2.10	2.10	2.70					
Depth To Bottom										
Date Sampled	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	6ABE				
PAH-16MS										
Acenaphthene$_A^{M\#}$	-	-	-	-	-	0.07		mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	-	-	-	-	-	0.13		mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	-	-	-	-	-	0.08		mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	-	-	-	-	-	<0.04		mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	-	-	-	-	-	<0.04		mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	-	-	-	-	-	<0.05		mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	-	-	-	-	-	<0.05		mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	-	-	-	-	-	<0.07		mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	-	-	-	-	-	<0.06		mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	-	-	-	-	-	<0.04		mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	-	-	-	-	-	<0.08		mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	-	-	-	-	-	0.20		mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	-	-	-	-	-	<0.03		mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	-	-	-	-	-	0.66		mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	-	-	-	-	-	0.20		mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	-	-	-	-	-	<0.07		mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	-	-	-	-	-	1.34		mg/kg	0.01	A-T-019s

Envirolab Job Number: 25/09438

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09438/1	25/09438/2	25/09438/3	25/09438/4	25/09438/5	25/09438/6		Units	Limit of Detection	Method ref
Client Sample No						SP				
Client Sample ID	CL/HS5/N/1/1	CL/HS5/S/1/1	CL/HS5/W/1/1	CL/HS5/E/1/1	CL/HS5/B/1/1	CL/QP/1/1				
Depth to Top	2.10	2.10	2.10	2.10	2.70					
Depth To Bottom										
Date Sampled	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	6ABE				
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<5	<1	<1	<1	<1		mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<5	<1	<1	<1	3		mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	1	7	2	3	1	12		mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	3	32	7	7	4	12		mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	18	106	38	38	39	18		mg/kg	1	A-T-055s
Total Aliphatics$_A$	22	145	47	48	44	45		mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	1	<5	2	1	1	3		mg/kg	1	A-T-055s
Aro >C10-C12$_A$	1	<5	<1	<1	<1	10		mg/kg	1	A-T-055s
Aro >C12-C16$_A$	6	46	5	4	4	44		mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	19	235	21	23	15	29		mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	78	647	90	105	72	31		mg/kg	1	A-T-055s
Total Aromatics$_A$	104	928	118	133	93	116		mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	126	1070	165	181	137	161		mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	0.02		mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s

Report Notes

General

•This report shall not be reproduced, except in full, without written approval from Envirolab.
•The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
•The results reported herein relate only to the material supplied to the laboratory.
•The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
•Analytical results reflect the quality of the sample at the time of analysis only.
•Opinions and Interpretations expressed are outside our scope of accreditation.
•A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
•If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
•Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "D" on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript "^"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
"Trace Asbestos Identified" will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:
For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:
EPH CWG results have humics mathematically subtracted through instrument calculation.
Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:
Results greater than 12900µS/cm @ 25^0C / 11550µS/cm @ 20^0C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Civils and Remediation Ltd, Grosvenor House, 3 Chapel Street, Congleton, Cheshire, UK, CW12 4AB

Project: City Works 4

Clients Project No: C332

Project No: 25/09438

Date Received: 27/08/2025 (am)

Cool Box Temperatures (°C): 17.7

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/09438/1	25/09438/2	25/09438/3	25/09438/4	25/09438/5	25/09438/6
Client Sample No						SP
Client Sample ID/Depth	CL/HS5/N/1/1 2.10m	CL/HS5/S/1/1 2.10m	CL/HS5/W/1/1 2.10m	CL/HS5/E/1/1 2.10m	CL/HS5/B/1/1 2.70m	CL/QP/1/1
Date Sampled	21/08/25	21/08/25	21/08/25	21/08/25	21/08/25	21/08/25
A-T-019s						29/08/2025
A-T-022s	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025
A-T-024s						01/09/2025
A-T-027s						01/09/2025
A-T-032s						01/09/2025
A-T-040s						29/08/2025
A-T-042sFCN						01/09/2025
A-T-044	01/09/2025	01/09/2025	01/09/2025	01/09/2025	01/09/2025	01/09/2025
A-T-045						28/08/2025
A-T-050s						02/09/2025
A-T-055s	01/09/2025	02/09/2025	01/09/2025	01/09/2025	01/09/2025	01/09/2025
Calc						01/09/2025
Calc-As Recd	01/09/2025	02/09/2025	01/09/2025	01/09/2025	01/09/2025	01/09/2025

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/10903
Issue Number: 1 **Date:** 02 October, 2025

Client:
Civils and Remediation Ltd
Grosvenor House
3 Chapel Street
Congleton
Cheshire
UK
CW12 4AB

Project Manager: Tom Magee
Project Name: City Works 4
Project Ref: C332
Order No: C332-SCO-006
Date Samples Received: 26/09/25
Date Instructions Received: 29/09/25
Date Analysis Completed: 02/10/25

Approved by:

[redacted]

Maleyka Owen-Agjef
Client Manager

UKAS TESTING
1247

Envirolab Job Number: 25/10903

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/10903/1	25/10903/2	25/10903/3	25/10903/4	25/10903/5	25/10903/6	25/10903/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/ASB/1/1	CL/ASB/1/2	CL/ASB/1/3	CL/QP/1/2	CL/HS6/N/1/1	CL/HS6/E/1/1	CL/HS6/S/1/1			
Depth to Top	0.80	1.20	0.90		1.00	1.00	1.00			
Depth To Bottom										
Date Sampled	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	4AB	4AB			
% Stones >10mm$_A$	-	-	-	<0.1	<0.1	<0.1	<0.1	% w/w	0.1	A-T-044

Envirolab Job Number: 25/10903

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/10903/1	25/10903/2	25/10903/3	25/10903/4	25/10903/5	25/10903/6	25/10903/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/ASB/1/1	CL/ASB/1/2	CL/ASB/1/3	CL/QP/1/2	CL/HS6/N/1/1	CL/HS6/E/1/1	CL/HS6/S/1/1			
Depth to Top	0.80	1.20	0.90		1.00	1.00	1.00			
Depth To Bottom										
Date Sampled	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	4AB	4AB			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	NAD	NAD	-	-	-	-			A-T-045
Asbestos Matrix (visual)$_D$	-	-	-	-	-	-	-			A-T-045
Asbestos Matrix (microscope)$_D$	-	-	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	-	-	-	-			A-T-045

Envirolab Job Number: 25/10903

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/10903/1	25/10903/2	25/10903/3	25/10903/4	25/10903/5	25/10903/6	25/10903/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/ASB/1/1	CL/ASB/1/2	CL/ASB/1/3	CL/QP/1/2	CL/HS6/N/1/1	CL/HS6/E/1/1	CL/HS6/S/1/1			
Depth to Top	0.80	1.20	0.90		1.00	1.00	1.00			
Depth To Bottom										
Date Sampled	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	4AB	4AB			
VOC										
Dichlorodifluoromethane$_{A}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Chloromethane$_{A}$	-	-	-	<10	<10	<10	<10	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dichloromethane$_{A}$	-	-	-	<5	<5	<5	<5	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	-	-	-	<5	<5	<5	<5	µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	-	-	-	<2	<2	<2	<2	µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	-	-	-	<10	<10	<10	<10	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	-	-	-	<3	<3	<3	<3	µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s

Envirolab Job Number: 25/10903 **Client Project Name: City Works 4**

Client Project Ref: C332

Lab Sample ID	25/10903/1	25/10903/2	25/10903/3	25/10903/4	25/10903/5	25/10903/6	25/10903/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/ASB/1/1	CL/ASB/1/2	CL/ASB/1/3	CL/QP/1/2	CL/HS6/N/1/1	CL/HS6/E/1/1	CL/HS6/S/1/1			
Depth to Top	0.80	1.20	0.90		1.00	1.00	1.00			
Depth To Bottom										
Date Sampled	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	4AB	4AB			
Chlorobenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	-	-	-	<1^U	<1^U	<1^U	<1^U	µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	-	-	-	<1^U	<1^U	<1^U	<1^U	µg/kg	1	A-T-006s
o-Xylene$_A^\#$	-	-	-	<1^U	<1^U	<1^U	<1^U	µg/kg	1	A-T-006s
Styrene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromoform$_A^\#$	-	-	-	<3	<3	<3	<3	µg/kg	3	A-T-006s
Isopropylbenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	-	-	-	<2	<2	<2	<2	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	-	-	-	<2	<2	<2	<2	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	-	-	-	<3	<3	<3	<3	µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	-	-	-	<3	<3	<3	<3	µg/kg	3	A-T-006s

Envirolab Job Number: 25/10903

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/10903/8	25/10903/9	25/10903/10	25/10903/11	25/10903/12	25/10903/13	25/10903/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS6/W/1/1	CL/HS6/B/1/1	CL/HS7/B/1/1	CL/HS7/E/1/1	CL/HS7/N/1/1	CL/HS7/W/1/1	CL/HS7/S/1/1			
Depth to Top	1.00	1.60	2.80	2.50	2.50	2.50	2.50			
Depth To Bottom										
Date Sampled	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	4AB	4AB			
% Stones >10mm$_A$	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	% w/w	0.1	A-T-044

Lab Sample ID	25/10903/8	25/10903/9	25/10903/10	25/10903/11	25/10903/12	25/10903/13	25/10903/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS6/W/1/1	CL/HS6/B/1/1	CL/HS7/B/1/1	CL/HS7/E/1/1	CL/HS7/N/1/1	CL/HS7/W/1/1	CL/HS7/S/1/1			
Depth to Top	1.00	1.60	2.80	2.50	2.50	2.50	2.50			
Depth To Bottom										
Date Sampled	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	4AB	4AB			
VOC										
Dichlorodifluoromethane$_A$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Chloromethane$_A$	<10	<10	<10	<10	<10	<10	12	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromomethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Chloroethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Trichlorofluoromethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Carbon Disulphide$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dichloromethane$_A$	<5	<5	<5	<5	<5	<5	<5	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
2,2-Dichloropropane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromochloromethane$_A^\#$	<5	<5	<5	<5	<5	<5	<5	µg/kg	5	A-T-006s
Chloroform$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloropropene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Carbon Tetrachloride$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloroethane$_A^\#$	<2	<2	<2	<2	<2	<2	<2	µg/kg	2	A-T-006s
Benzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Trichloroethene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloropropane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dibromomethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromodichloromethane$_A^\#$	<10	<10	<10	<10	<10	<10	<10	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Toluene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3-Dichloropropane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Tetrachloroethene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	<3	<3	<3	<3	<3	<3	<3	µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s

Envirolab Job Number: 25/10903

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/10903/8	25/10903/9	25/10903/10	25/10903/11	25/10903/12	25/10903/13	25/10903/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS6/W/1/1	CL/HS6/B/1/1	CL/HS7/B/1/1	CL/HS7/E/1/1	CL/HS7/N/1/1	CL/HS7/W/1/1	CL/HS7/S/1/1			
Depth to Top	1.00	1.60	2.80	2.50	2.50	2.50	2.50			
Depth To Bottom										
Date Sampled	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	4AB	4AB			
Chlorobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	<1^U	<1^U	<1^U	<1^U	<1^U	<1^U	<1	µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	<1^U	<1^U	<1^U	<1^U	<1^U	<1^U	<1	µg/kg	1	A-T-006s
o-Xylene$_A^\#$	<1^U	<1^U	<1^U	<1^U	<1^U	<1^U	<1	µg/kg	1	A-T-006s
Styrene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromoform$_A^\#$	<3	<3	<3	<3	<3	<3	<3	µg/kg	3	A-T-006s
Isopropylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	<2	<2	<2	<2	<2	<2	<2	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	<2	<2	<2	<2	<2	<2	<2	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	<3	<3	<3	<3	<3	<3	<3	µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	<3	<3	<3	<3	<3	<3	<3	µg/kg	3	A-T-006s

Report Notes

General

•This report shall not be reproduced, except in full, without written approval from Envirolab.
•The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
•The results reported herein relate only to the material supplied to the laboratory.
•The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
•Analytical results reflect the quality of the sample at the time of analysis only.
•Opinions and Interpretations expressed are outside our scope of accreditation.
•A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
•If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
•Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "D" on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript "^"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
"Trace Asbestos Identified" will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:
For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:
EPH CWG results have humics mathematically subtracted through instrument calculation.
Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:
Results greater than 12900µS/cm @ 25^0C / 11550µS/cm @ 20^0C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Civils and Remediation Ltd, Grosvenor House, 3 Chapel Street, Congleton, Cheshire, UK, CW12 4AB

Project: City Works 4

Clients Project No: C332

Project No: 25/10903

Date Received: 29/09/2025 (am)

Cool Box Temperatures (°C): 10.2-10.5

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/10903/1	25/10903/2	25/10903/3	25/10903/4	25/10903/5	25/10903/6	25/10903/7	25/10903/8	25/10903/9	25/10903/10	25/10903/11
Client Sample No											
Client Sample ID/Depth	CL/ASB/1/1 0.80m	CL/ASB/1/2 1.20m	CL/ASB/1/3 0.90m	CL/QP/1/2	CL/HS6/N/1/1 1.00m	CL/HS6/E/1/1 1.00m	CL/HS6/S/1/1 1.00m	CL/HS6/W/1/1 1.00m	CL/HS6/B/1/1 1.60m	CL/HS7/B/1/1 2.80m	CL/HS7/E/1/1 2.50m
Date Sampled	23/09/25	23/09/25	23/09/25	23/09/25	23/09/25	23/09/25	23/09/25	23/09/25	23/09/25	23/09/25	23/09/25
A-T-006s				01/10/2025	01/10/2025	01/10/2025	01/10/2025	01/10/2025	01/10/2025	01/10/2025	01/10/2025
A-T-044				02/10/2025	02/10/2025	02/10/2025	02/10/2025	02/10/2025	02/10/2025	02/10/2025	02/10/2025
A-T-045	30/09/2025	30/09/2025	30/09/2025								

Lab Sample ID	25/10903/12	25/10903/13	25/10903/14
Client Sample No			
Client Sample ID/Depth	CL/HS7/N/1/1 2.50m	CL/HS7/W/1/1 2.50m	CL/HS7/S/1/1 2.50m
Date Sampled	23/09/25	23/09/25	23/09/25
A-T-006s	01/10/2025	01/10/2025	01/10/2025
A-T-044	02/10/2025	02/10/2025	02/10/2025
A-T-045			

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

Certificate of Analysis

Certificate Number	24-11816	*Issued:*	17-Jun-24

Client Veolia ES Landfill Limited
Ling Hall Landfill
Coalpit Lane
Lawford Heath
Rugby
CV23 9HH

Our Reference	24-11816
Client Reference ~	(not supplied)
Order No ~	4200633929
Contract Title ~	LING HALL LANFILL
Description	2 Soil samples.
Date Received	10-Jun-24
Date Started	10-Jun-24
Date Completed	17-Jun-24
Test Procedures	Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved [redacted]
Kirk Bridgewood
General Manager

2139

Summary of Chemical Analysis
Soil Samples

Our Ref 24-11816
Client Ref ~
Contract Title ~ LING HALL LANFILL

				Lab No	2348760	2348761
				Sample ID ~	WHITEMOSS RED CLAY	WHITEMOSS GREY
				Depth ~		
				Other ID ~		
				Sample Type ~	SOIL	SOIL
				Sampling Date ~	05/06/2024	05/06/2024
				Sampling Time ~	n/s	n/s
Test	**Method**	**LOD**	**Units**			
Preparation						
Moisture Content	DETSC 1004	0.1	%		13	5.1
Metals						
Arsenic	DETSC 2301#	0.2	mg/kg		6.2	6.5
Cadmium	DETSC 2301#	0.1	mg/kg		< 0.1	< 0.1
Chromium	DETSC 2301#	0.15	mg/kg		25	15
Chromium, Hexavalent	DETSC 2204*	1	mg/kg		< 1.0	< 1.0
Copper	DETSC 2301#	0.2	mg/kg		18	37
Lead	DETSC 2301#	0.3	mg/kg		8.4	12
Mercury	DETSC 2325#	0.05	mg/kg		< 0.05	< 0.05
Nickel	DETSC 2301#	1	mg/kg		28	35
Selenium	DETSC 2301#	0.5	mg/kg		< 0.5	< 0.5
Zinc	DETSC 2301#	1	mg/kg		66	77
Inorganics						
Loss on Ignition (Fines)	DETSC 5022	0.01	%		0.61	1.18
pH	DETSC 2008#		pH		8.4	8.7
Cyanide, Free	DETSC 2130#	0.1	mg/kg		< 0.1	< 0.1
Chloride, Acid Soluble	DETSC 2007	0.01	%		< 0.01	< 0.01
Chloride	DETSC 2055	1	mg/kg		134	17.5
Gypsum	DETSC 2066*	0.01	%		< 0.01	< 0.01
Sulphate as SO4, Total	DETSC 2321#	0.01	%		0.05	0.03
Petroleum Hydrocarbons						
Aliphatic C5-C6	DETSC 3321*	0.01	mg/kg		< 0.01	< 0.01
Aliphatic C6-C8	DETSC 3321*	0.01	mg/kg		< 0.01	< 0.01
Aliphatic C8-C10	DETSC 3321*	0.01	mg/kg		< 0.01	< 0.01
Aliphatic C10-C12	DETSC 3072#	1.5	mg/kg		< 1.5	< 1.5
Aliphatic C12-C16	DETSC 3072#	1.2	mg/kg		< 1.2	< 1.2
Aliphatic C16-C21	DETSC 3072#	1.5	mg/kg		< 1.5	< 1.5
Aliphatic C21-C35	DETSC 3072#	3.4	mg/kg		< 3.4	< 3.4
Aliphatic C5-C35	DETSC 3072*	10	mg/kg		< 10	< 10
Aromatic C5-C7	DETSC 3321*	0.01	mg/kg		< 0.01	< 0.01
Aromatic C7-C8	DETSC 3321*	0.01	mg/kg		< 0.01	< 0.01
Aromatic C8-C10	DETSC 3321*	0.01	mg/kg		< 0.01	< 0.01
Aromatic C10-C12	DETSC 3072#	0.9	mg/kg		< 0.9	< 0.9
Aromatic C12-C16	DETSC 3072#	0.5	mg/kg		< 0.5	< 0.5
Aromatic C16-C21	DETSC 3072#	0.6	mg/kg		< 0.6	< 0.6
Aromatic C21-C35	DETSC 3072#	1.4	mg/kg		< 1.4	< 1.4
Aromatic C5-C35	DETSC 3072*	10	mg/kg		< 10	< 10
TPH Ali/Aro Total C5-C35	DETSC 3072*	10	mg/kg		< 10	< 10
EPH (C10-C40)	DETSC 3311#	10	mg/kg		15	110
PAHs						
Naphthalene	DETSC 3303#	0.03	mg/kg		< 0.03	< 0.03
Acenaphthylene	DETSC 3303#	0.03	mg/kg		< 0.03	< 0.03

Summary of Chemical Analysis
Soil Samples

Our Ref 24-11816
Client Ref ~
Contract Title ~ LING HALL LANFILL

			Lab No	2348760	2348761
			Sample ID ~	WHITEMOSS RED CLAY	WHITEMOSS GREY
			Depth ~		
			Other ID ~		
			Sample Type ~	SOIL	SOIL
			Sampling Date ~	05/06/2024	05/06/2024
			Sampling Time ~	n/s	n/s
Test	**Method**	**LOD**	**Units**		
Acenaphthene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03
Fluorene	DETSC 3303	0.03	mg/kg	< 0.03	< 0.03
Phenanthrene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03
Anthracene	DETSC 3303	0.03	mg/kg	< 0.03	< 0.03
Fluoranthene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03
Pyrene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03
Benzo(a)anthracene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03
Chrysene	DETSC 3303	0.03	mg/kg	< 0.03	< 0.03
Benzo(b)fluoranthene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03
Benzo(k)fluoranthene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03
Benzo(a)pyrene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03
Indeno(1,2,3-c,d)pyrene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03
Dibenzo(a,h)anthracene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03
Benzo(g,h,i)perylene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03
PAH - USEPA 16, Total	DETSC 3303	0.1	mg/kg	< 0.10	< 0.10
Phenols					
Phenol - Monohydric	DETSC 2130#	0.3	mg/kg	< 0.3	< 0.3

Summary of Asbestos Analysis
Soil Samples

Our Ref 24-11816
Client Ref ~
Contract Title ~ LING HALL LANFILL

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
2348760	WHITEMOSS RED CLAY	SOIL	NAD	none	D Wilkinson
2348761	WHITEMOSS GREY CLAY	SOIL	NAD	none	D Wilkinson

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: * -not included in laboratory scope of accreditation.

Information in Support of the Analytical Results

Our Ref 24-11816
Client Ref ~
Contract ~ LING HALL LANFILL

Containers Received & Deviating Samples

Lab No	Sample ID ~	Date Sampled ~	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
2348760	WHITEMOSS RED CLAY SOIL	05/06/24	PT 1L x2		
2348761	WHITEMOSS GREY CLAY SOIL	05/06/24	PT 1L x2		

Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425µm sieve, in accordance with BS1377.
Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.
The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-
Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

Key:

~ Sample details are provided by the client and can affect the validity of the results
***** -not accredited.
-MCERTS (accreditation only applies if report carries the MCERTS logo).
$ -subcontracted.
n/s -not supplied.
I/S -insufficient sample.
U/S -unsuitable sample.
t/f -to follow.
nd -not detected.

End of Report

APPENDIX E – GEOTECHNICAL TESTING RESULTS

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-24 Report Date: 07/07/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4

Client Ref.*: DH-26/06-01 Lab Ref: Lab 25/1408
Date Sampled: 26/06/25 Sample Type: Bulk
Sampled By: TD Mass (kg): 65
Date Received: 26/06/25

Location*: Stockpile
Supplier*: Client Source*: Site Won
Description: Brown Stony Clay (2C)

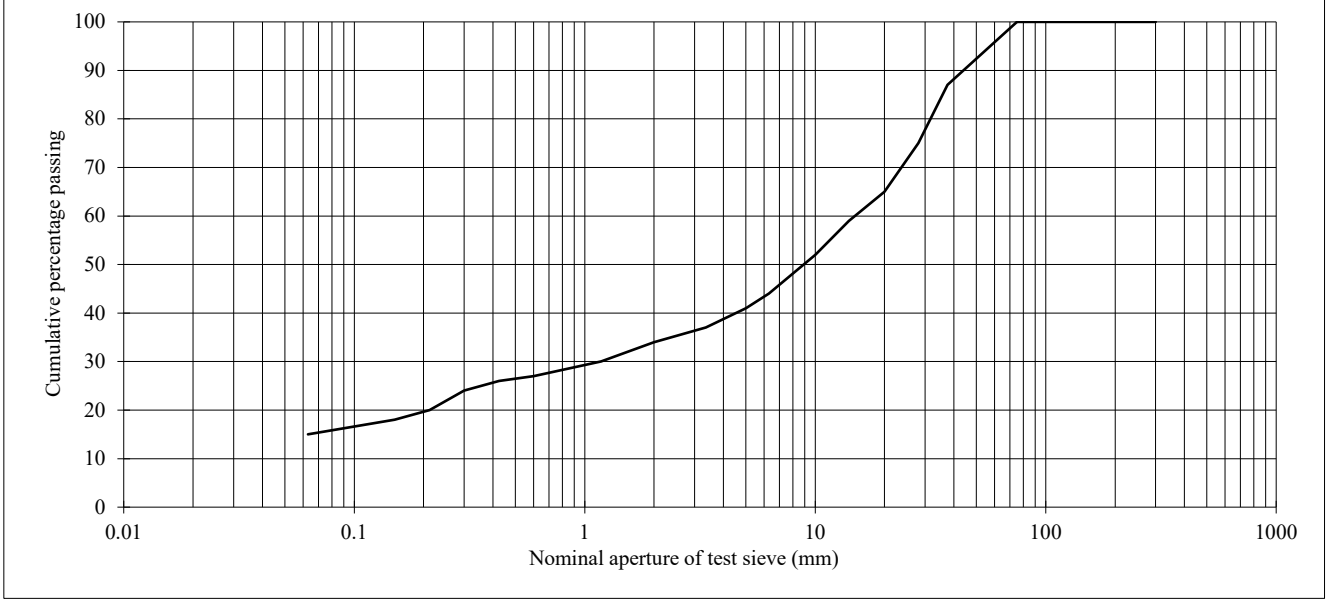
Date of Test: 07/07/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks:

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
300	100	
125	100	100
90	100	
75	100	
37.5	87	
28	75	
20	65	
14	59	
10	52	
6.3	44	
5.0	41	
3.35	37	
2.00	34	15 - 80
1.18	30	
0.600	27	
0.425	26	
0.300	24	
0.212	20	
0.150	18	
0.063	15	15 - 80

15% Silt & Clay	19% Sand	60% Gravel	6% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Sampled in accordance with IHP C146 Soil Sampling.
This report shall not be reproduced except in full without approval of the laboratory.
Decision rule - Any uncertainty is taken into consideration within the test standard and reporting method.
Results relate only to the sample tested. * Information supplied by client.

Signe[redacted] J. Wright (Lab Section Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Determination of Aggregate Particle Size Distribution - Sieving Method

Report No.: TD25-C-04-A-26 Report Date: 09/07/2025
Client: Civil & Remediation
Client Address: 3 Chapel Street, Congleton, Cheshire, CW12 4AB
Site: City 4

Client Ref*: GT/RMOT/1/2 Lab Ref: 25/1253
Date Sampled*: 11/06/2025 Sample Type: Bulk
Sampled by: Client Mass (kg): 36
Date Received: 12/06/2025

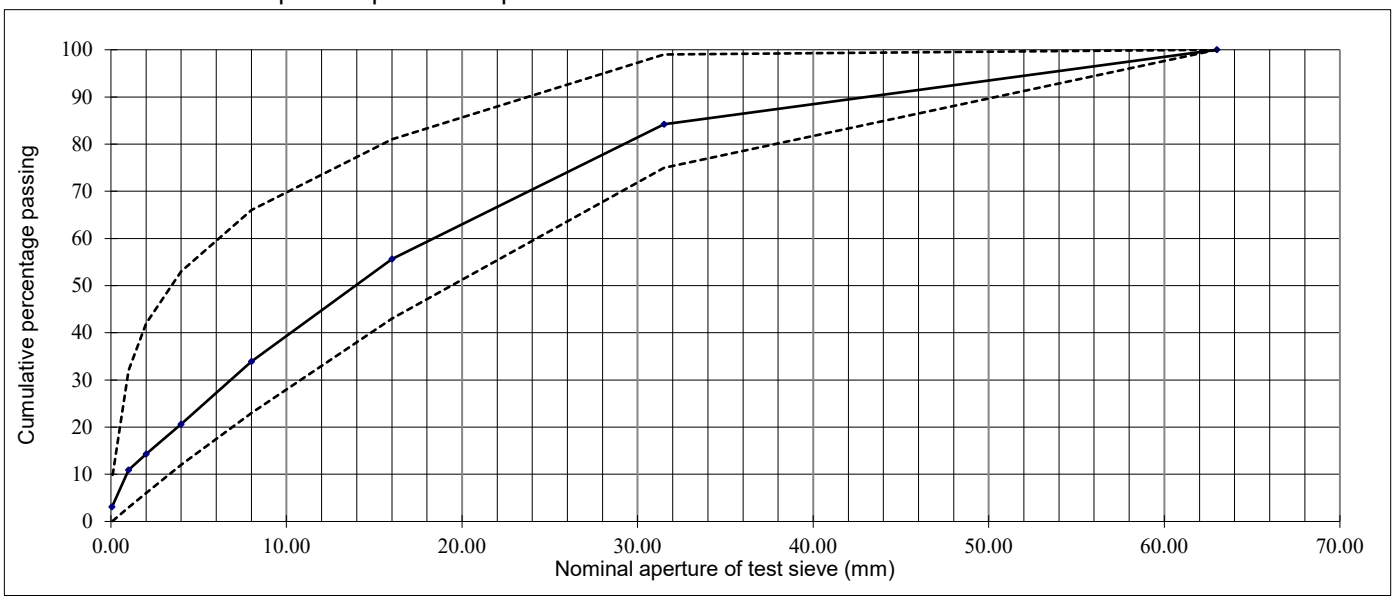
Location*: Stockpile
Description: Type 1 Subbase
Supplier/Source*: Client / Site Won

Date of Test: 08/07/2025
Test Method: Washing and Sieving
Method of Preparation: BS EN 932-2:1999 Method 10
Material Specification: SHW Series 800 Table 8/6a (Overall Range)
%Passing 16mm Retained 8mm (allowed 7-30): 22
%Passing 8mm Retained 4mm (allowed 7-30): 13

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
125	100			
80	100			
63	100	100		
50	100			
40	92			
31.5	84	75	-	99
20	70			
16	56	43	-	81
14	50			
10	38			
8.0	34	23	-	66
6.3	31			
4.0	21	12	-	53
2.8	17			
2.0	14	6	-	42
1.0	11	3	-	32
0.500	8			
0.250	6			
0.125	4			
0.063	3.1	0	-	9

Remarks: Sample complies with specification



Certified that the Particle Size Distribution was determined in accordance with EN 933-1:2012
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
This report shall not be reproduced except in full without approval of the laboratory.
Decision rule - Any uncertainty is taken into consideration within the test standard and reporting method.
Results relate only to the sample tested. * Information supplied by client.

Signed [redacted]

J. Wright (Lab Section Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
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WA10 2SD

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E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-27 Report Date: 09/07/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB
Site: City 4

Client Ref.*: GT/F/1/1 Lab Ref: 25/1255
Date Sampled* 11/06/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 46
Date Received: 12/06/25

Location*: GT/F/1/1
Supplier*: Not Advised Source*: Not Advised
Description: Black Sand with Recycled Aggregate (1A)

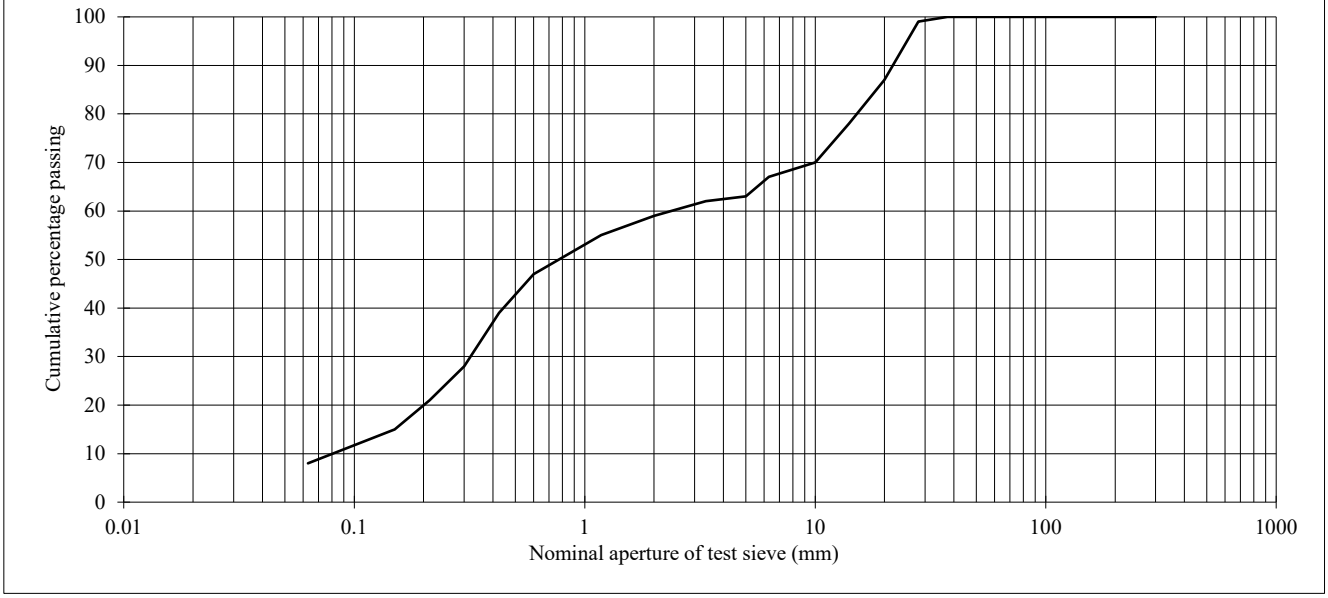
Date of Test: 08/07/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks:
Uniformity Coefficient = 29

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
300	100	100
125	100	95 - 100
90	100	
75	100	
37.5	100	
28	99	
20	87	
14	78	
10	70	
6.3	67	
5.0	63	
3.35	62	
2.00	59	
1.18	55	
0.600	47	
0.425	39	
0.300	28	
0.212	21	
0.150	15	
0.063	8	0 - 15

8% Silt & Clay	51% Sand	41% Gravel	0% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
This report shall not be reproduced except in full without approval of the laboratory.
Decision rule - Any uncertainty is taken into consideration within the test standard and reporting method.
Results relate only to the sample tested. * Information supplied by client.

Signe [redacted] J. Wright (Lab Section Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Determination of Aggregate Particle Size Distribution - Sieving Method

Report No.: TD25-C-04-A-28 Report Date: 15/07/2025
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4

Client Ref*: GT/RMOT/1/1 Lab Ref: 25/1252
Date Sampled*: 11/06/2025 Sample Type: Bulk
Sampled by: Client Mass (kg): 34
Date Received: 12/06/2025

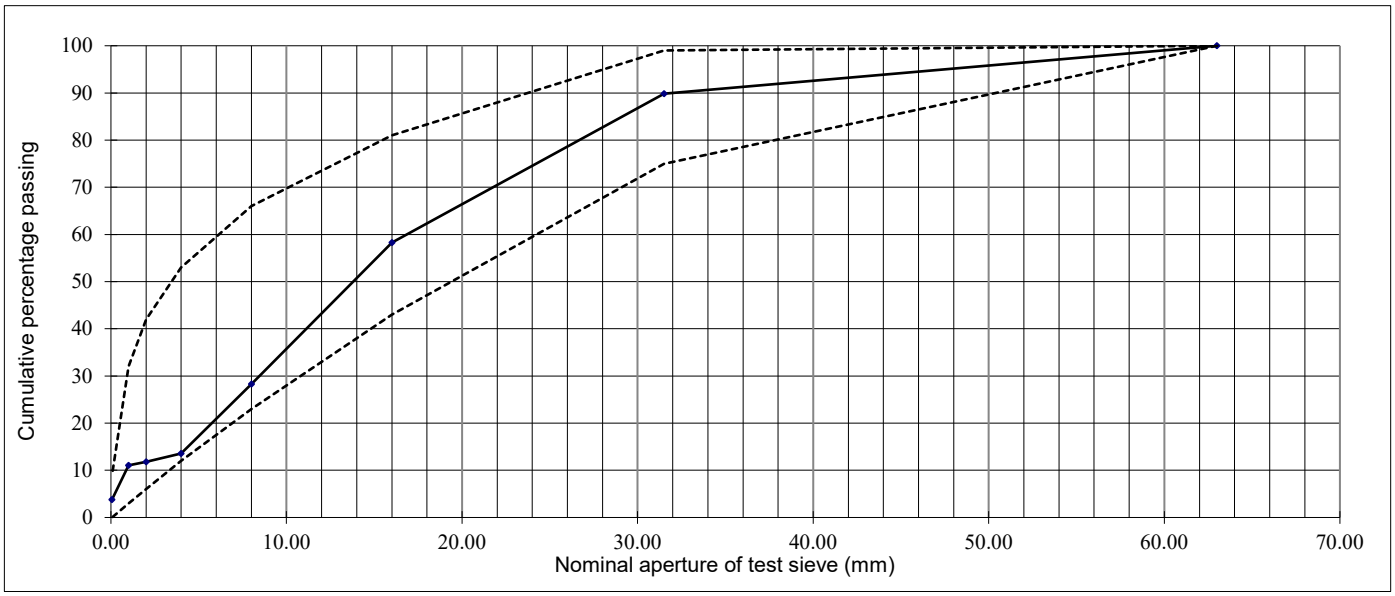
Location*: Stockpile
Description: Type 1 Subbase
Supplier/Source*: Not Advised

Date of Test: 07/07/2025
Test Method: Washing and Sieving
Method of Preparation: BS EN 932-2:1999 Method 10
Material Specification: SHW Series 800 Table 8/6a (Overall Range)
%Passing 16mm Retained 8mm (allowed 7-30): 30
%Passing 8mm Retained 4mm (allowed 7-30): 15

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
125	100			
80	100			
63	100	100		
50	100			
40	96			
31.5	90	75	-	99
20	71			
16	58	43	-	81
14	51			
10	35			
8.0	28	23	-	66
6.3	14			
4.0	14	12	-	53
2.8	13			
2.0	12	6	-	42
1.0	11	3	-	32
0.500	10			
0.250	8			
0.125	5			
0.063	3.8	0	-	9

Remarks:



Certified that the Particle Size Distribution was determined in accordance with EN 933-1:2012
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
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Decision rule - Any uncertainty is taken into consideration within the test standard and reporting method.
Results relate only to the sample tested. * Information supplied by client.

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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-30 Report Date: 16/07/25
Client: Civil & Remediation
Client Address: Grosvenor House,3 Chapel Street,Cheshire, CW12 4AB
Site: City 4

Client Ref.*: GT/6F2/1/2 Lab Ref: Lab 25/1254
Date Sampled* 11/06/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 28
Date Received: 12/06/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Recycled 6F2

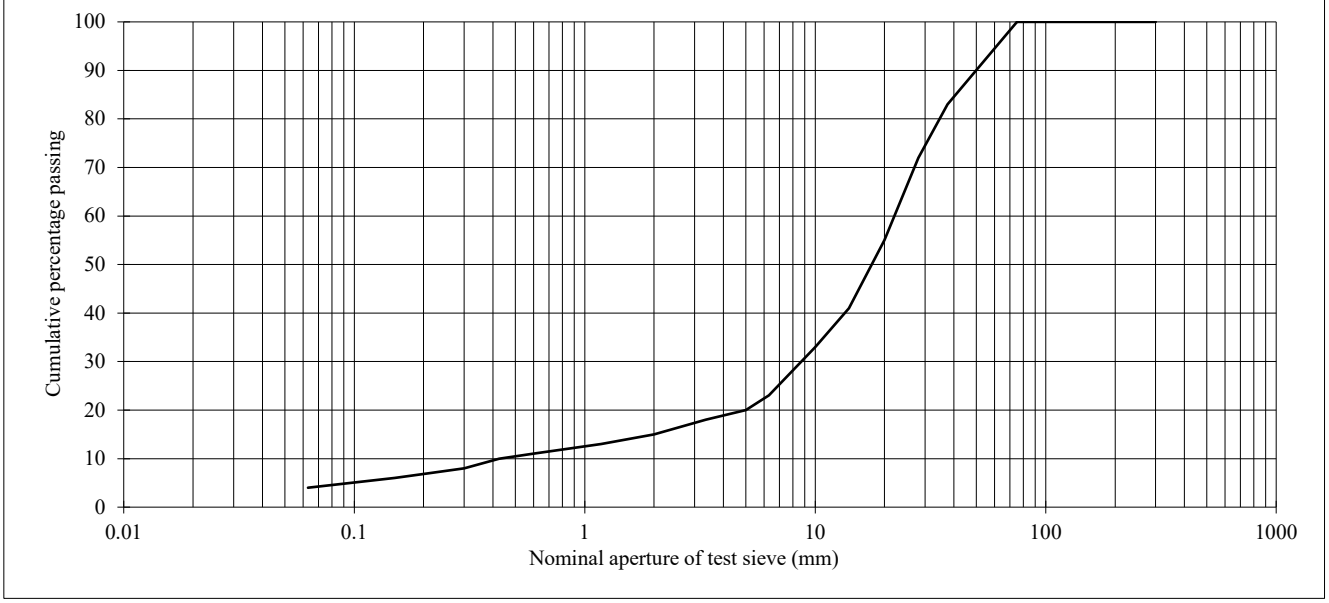
Date of Test: 16/07/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks:
Uniformity Coefficient = 52

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
300	100			
125	100		100	
90	100	80	-	100
75	100	65	-	100
37.5	83	45	-	100
28	72			
20	55			
14	41			
10	33	15	-	60
6.3	23			
5.0	20	10	-	45
3.35	18			
2.00	15			
1.18	13			
0.600	11	0	-	25
0.425	10			
0.300	8			
0.212	7			
0.150	6			
0.063	4	0	-	12

4% Silt & Clay	11% Sand	79% Gravel	6% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-42 Report Date: 23/07/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB
Site: City 4

Client Ref.*: GT/6F2/111 Lab Ref: Lab 25/1507
Date Sampled* 02/07/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 40
Date Received: 16/07/25

Location*: Stockpile
Supplier*: Client Source*: Site Won
Description: Recycled 6F2

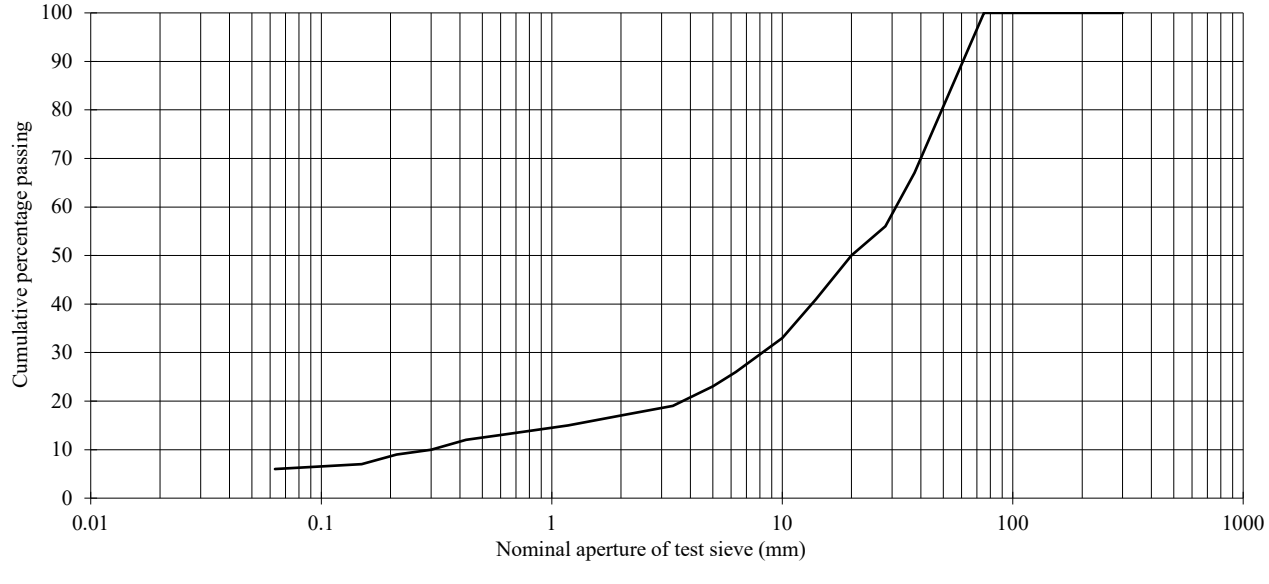
Date of Test: 22/07/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification
Uniformity Coefficient = 104

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
300	100			
125	100		100	
90	100	80	-	100
75	100	65	-	100
37.5	67	45	-	100
28	56			
20	50			
14	41			
10	33	15	-	60
6.3	26			
5.0	23	10	-	45
3.35	19			
2.00	17			
1.18	15			
0.600	13	0	-	25
0.425	12			
0.300	10			
0.212	9			
0.150	7			
0.063	6	0	-	12

6% Silt & Clay	11% Sand	69% Gravel	14% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-43 Report Date: 23/07/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB
Site: City 4

Client Ref.*: GT/6F2/112 Lab Ref: Lab 25/1508
Date Sampled* 02/07/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 40
Date Received: 10/07/25

Location*: Stockpile
Supplier*: Client Source*: Site Won
Description: Recycled 6F2

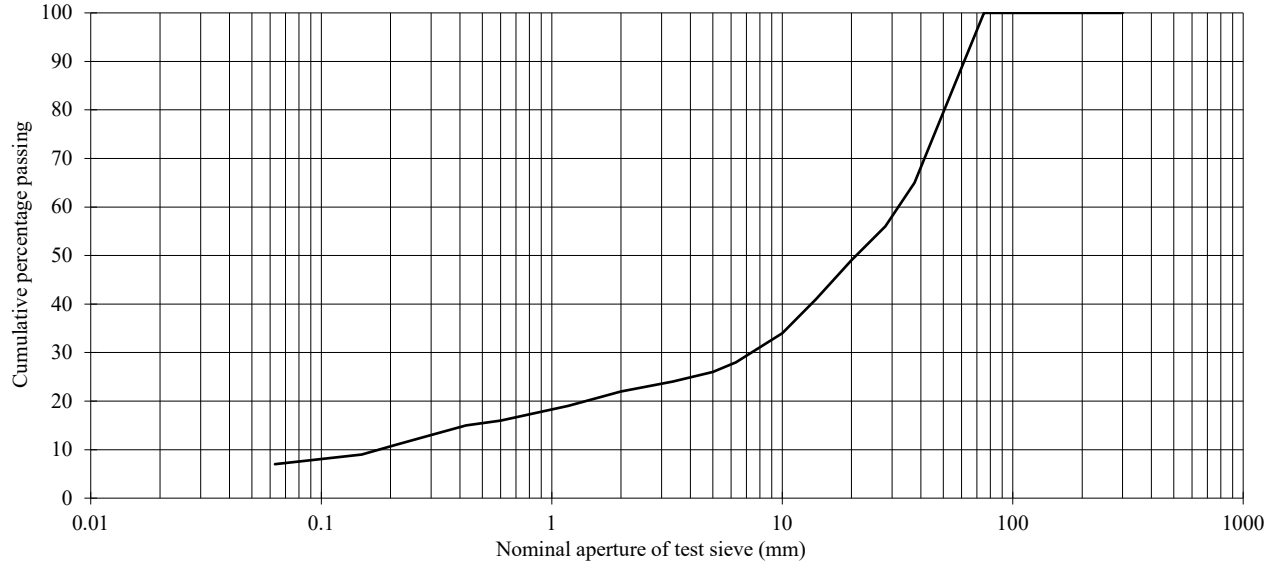
Date of Test: 22/07/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification
Uniformity Coefficient = 179

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
300	100			
125	100		100	
90	100	80	-	100
75	100	65	-	100
37.5	65	45	-	100
28	56			
20	49			
14	41			
10	34	15	-	60
6.3	28			
5.0	26	10	-	45
3.35	24			
2.00	22			
1.18	19			
0.600	16	0	-	25
0.425	15			
0.300	13			
0.212	11			
0.150	9			
0.063	7	0	-	12

7% Silt & Clay	15% Sand	62% Gravel	16% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-44 Report Date: 23/07/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB
Site: City 4

Client Ref.*: AV1/11-07-2025 Lab Ref: Lab 25/1509
Date Sampled* 11/07/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 35
Date Received: 11/07/25

Location*: Stockpile
Supplier*: Client Source*: Site Won
Description: Recycled 6F2

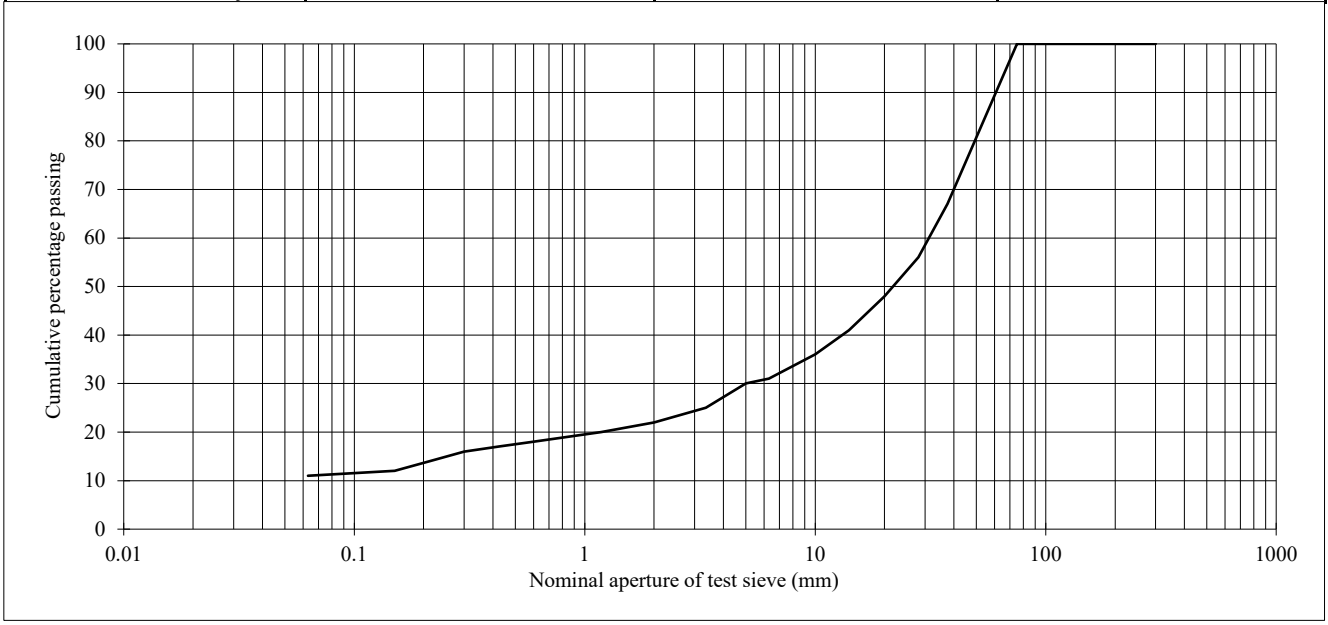
Date of Test: 22/07/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
300	100			
125	100		100	
90	100	80	-	100
75	100	65	-	100
37.5	67	45	-	100
28	56			
20	48			
14	41			
10	36	15	-	60
6.3	31			
5.0	30	10	-	45
3.35	25			
2.00	22			
1.18	20			
0.600	18	0	-	25
0.425	17			
0.300	16			
0.212	14			
0.150	12			
0.063	11	0	-	12

11% Silt & Clay	11% Sand	63% Gravel	15% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-59 Report Date: 08/09/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4, Manchester

Client Ref.*: GT/6F2/1/4 Lab Ref: Lab 25/1782
Date Sampled* 22/08/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 40
Date Received: 22/08/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Recycled 6F2

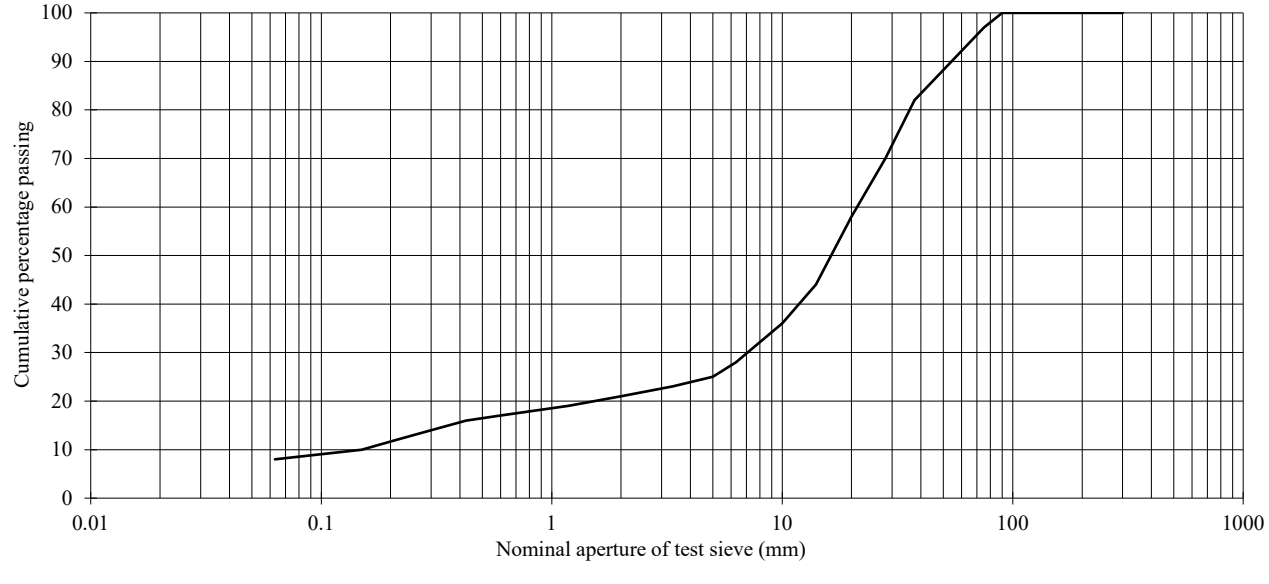
Date of Test: 04/09/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification
Uniformity Coefficient = 141

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
300	100			
125	100		100	
90	100	80	-	100
75	97	65	-	100
37.5	82	45	-	100
28	70			
20	58			
14	44			
10	36	15	-	60
6.3	28			
5.0	25	10	-	45
3.35	23			
2.00	21			
1.18	19			
0.600	17	0	-	25
0.425	16			
0.300	14			
0.212	12			
0.150	10			
0.063	8	0	-	12

8% Silt & Clay	13% Sand	74% Gravel	5% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
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Results relate only to the sample tested. * Information supplied by client.

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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-60 Report Date: 08/09/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4, Manchester

Client Ref.*: GT/6F2/1/5 Lab Ref: Lab 25/1783
Date Sampled* 22/08/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 36
Date Received: 22/08/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Recycled 6F2

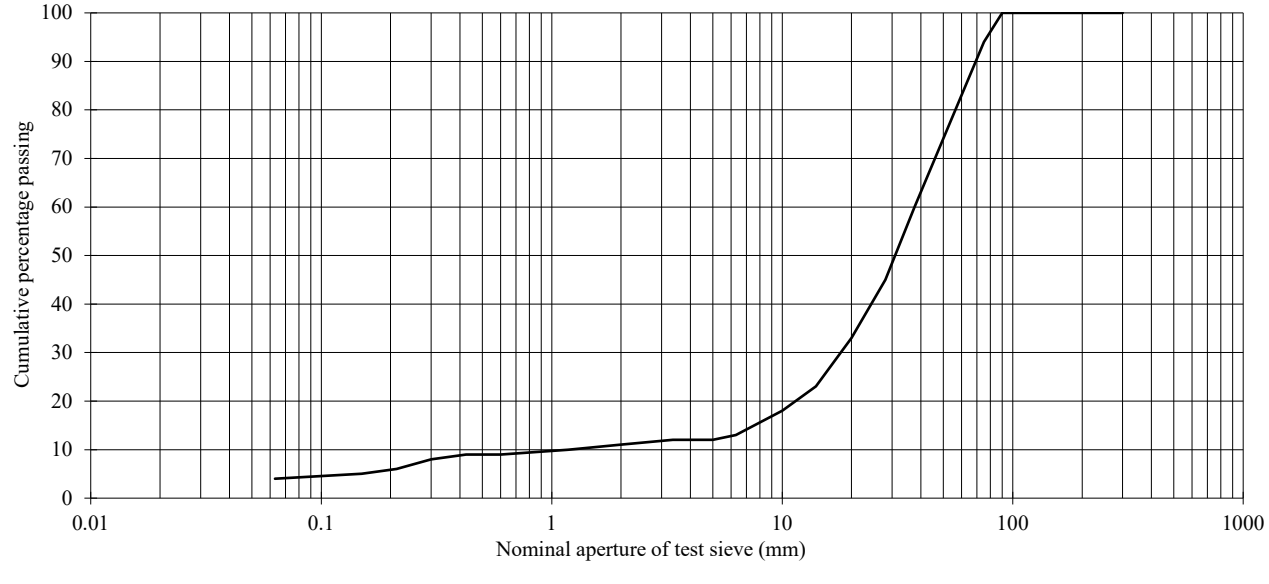
Date of Test: 04/09/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification
Uniformity Coefficient = 32

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
300	100			
125	100		100	
90	100	80	-	100
75	94	65	-	100
37.5	60	45	-	100
28	45			
20	33			
14	23			
10	18	15	-	60
6.3	13			
5.0	12	10	-	45
3.35	12			
2.00	11			
1.18	10			
0.600	9	0	-	25
0.425	9			
0.300	8			
0.212	6			
0.150	5			
0.063	4	0	-	12

4% Silt & Clay	7% Sand	80% Gravel	9% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-61 Report Date: 08/09/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4, Manchester

Client Ref.*: GT/6F2/1/6 Lab Ref: Lab 25/1784
Date Sampled* 22/08/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 39
Date Received: 22/08/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Recycled 6F2

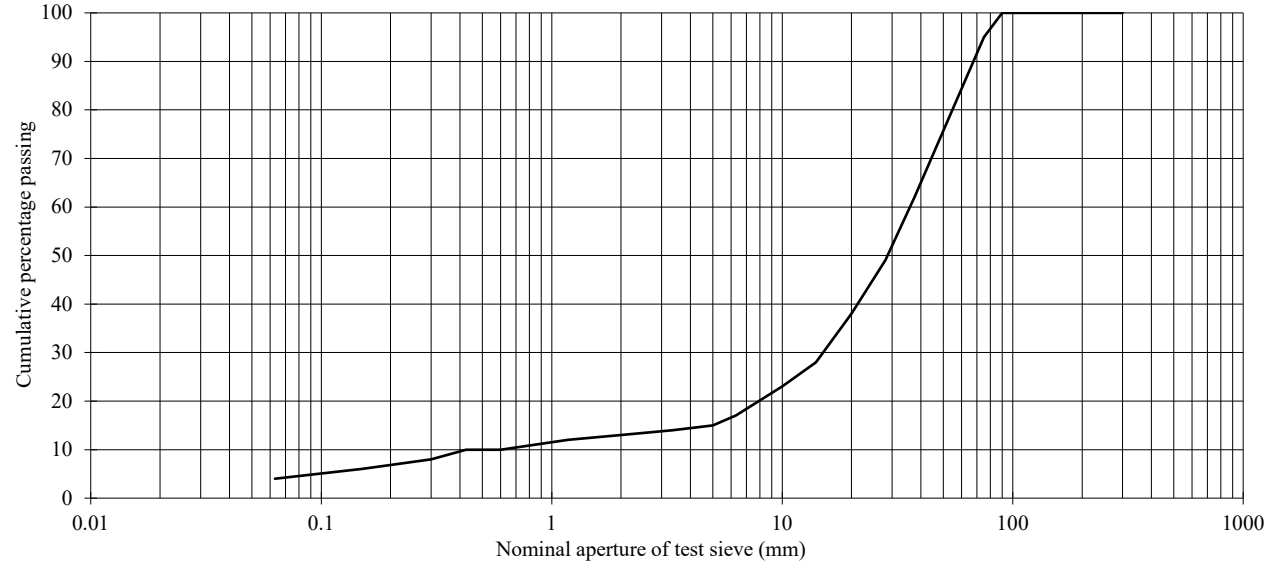
Date of Test: 04/09/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification
Uniformity Coefficient = 60

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
300	100			
125	100		100	
90	100	80	-	100
75	95	65	-	100
37.5	62	45	-	100
28	49			
20	38			
14	28			
10	23	15	-	60
6.3	17			
5.0	15	10	-	45
3.35	14			
2.00	13			
1.18	12			
0.600	10	0	-	25
0.425	10			
0.300	8			
0.212	7			
0.150	6			
0.063	4	0	-	12

4% Silt & Clay	9% Sand	78% Gravel	9% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-62 Report Date: 08/09/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4, Manchester

Client Ref.*: GT/6F2/1/7 Lab Ref: Lab 25/1785
Date Sampled* 22/08/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 35
Date Received: 22/08/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Recycled 6F2

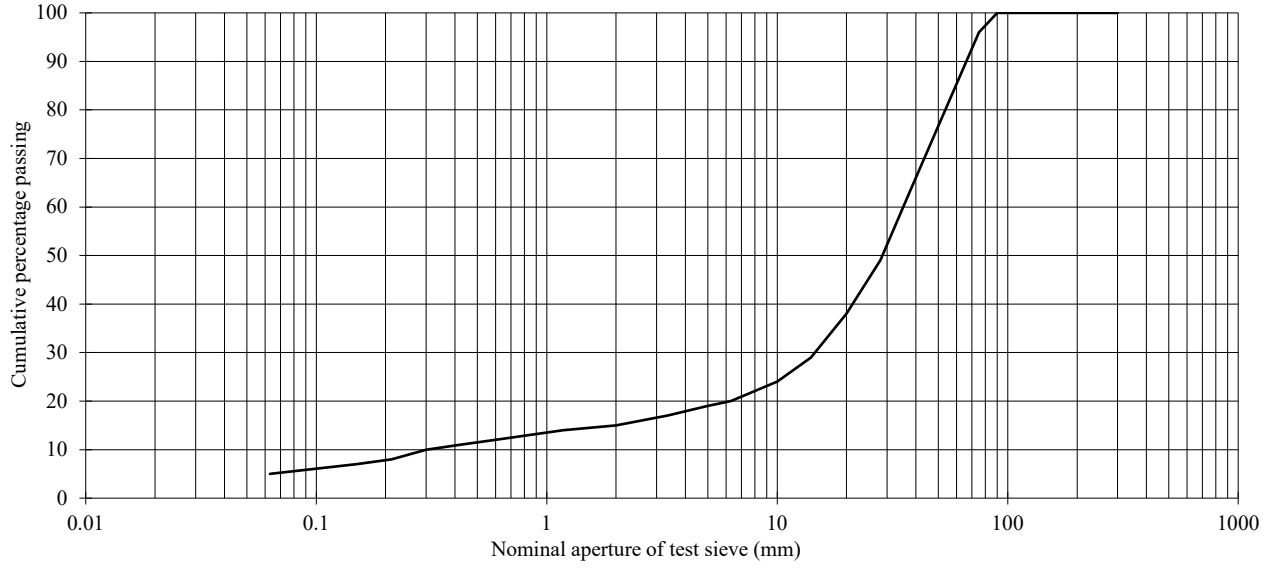
Date of Test: 04/09/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification
Uniformity Coefficient = 117

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
300	100			
125	100		100	
90	100	80	-	100
75	96	65	-	100
37.5	63	45	-	100
28	49			
20	38			
14	29			
10	24	15	-	60
6.3	20			
5.0	19	10	-	45
3.35	17			
2.00	15			
1.18	14			
0.600	12	0	-	25
0.425	11			
0.300	10			
0.212	8			
0.150	7			
0.063	5	0	-	12

5% Silt & Clay	10% Sand	77% Gravel	8% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
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Results relate only to the sample tested. * Information supplied by client.

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TEST REPORT

Determination of Aggregate Particle Size Distribution - Sieving Method

Report No.: TD25-C-04-A-63 Report Date: 08/09/2025
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Congleton,
Site: City 4, Manchester

Client Ref*: GT/MOT/1/3 Lab Ref: 25/1786
Date Sampled*: 22/08/2025 Sample Type: Bulk
Sampled by: Client Mass (kg): 34
Date Received: 22/08/2025

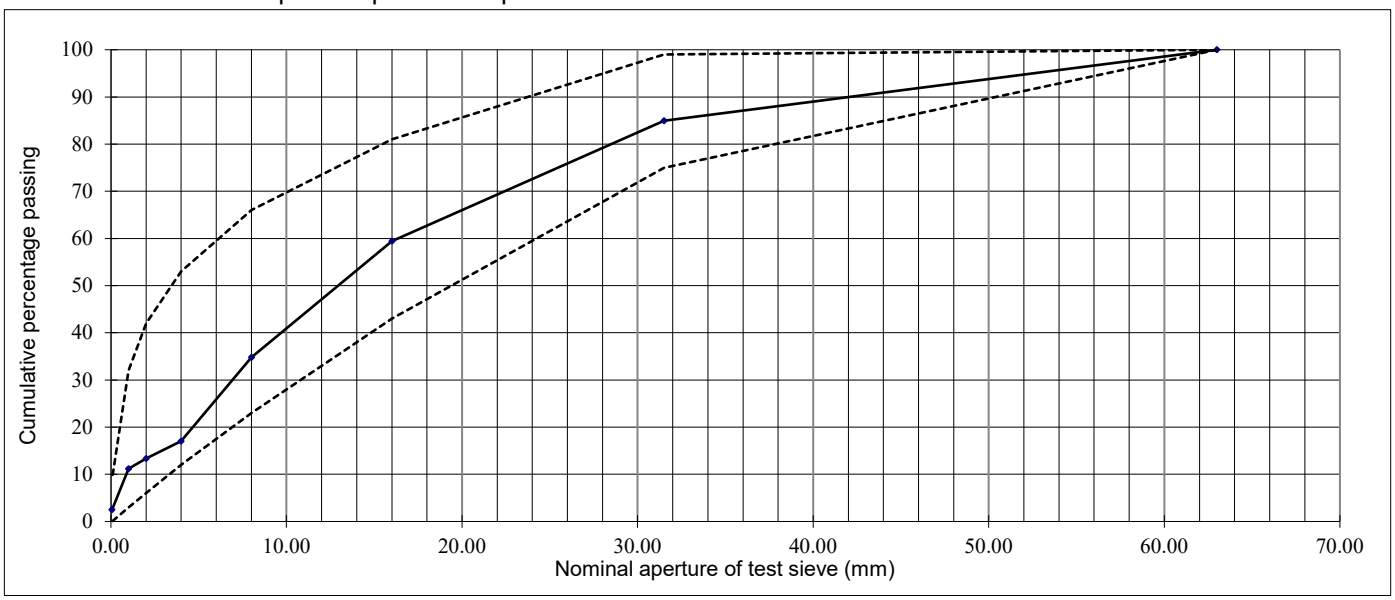
Location*: Not Advised
Description: Type 1 Subbase (Recycled)
Supplier/Source*: Client / Site Won

Date of Test: 04/09/2025
Test Method: Washing and Sieving
Method of Preparation: BS EN 932-2:1999 Method 10
Material Specification: SHW Series 800 Table 8/6a (Overall Range)
%Passing 16mm Retained 8mm (allowed 7-30): 25
%Passing 8mm Retained 4mm (allowed 7-30): 18

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
125	100			
80	100			
63	100	100		
50	100			
40	100			
31.5	85	75	-	99
20	74			
16	59	43	-	81
14	52			
10	47			
8.0	35	23	-	66
6.3	18			
4.0	17	12	-	53
2.8	15			
2.0	13	6	-	42
1.0	11	3	-	32
0.500	9			
0.250	7			
0.125	5			
0.063	2.5	0	-	9

Remarks: Sample complies with specification



Certified that the Particle Size Distribution was determined in accordance with EN 933-1:2012
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
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Results relate only to the sample tested. * Information supplied by client.

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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-72 Report Date: 18/09/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4, Manchester

Client Ref.*: GT/F/1/2 Lab Ref: Lab 25/1920
Date Sampled* 05/08/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 42
Date Received: 11/09/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Gravel with Sand & Clay (2C)

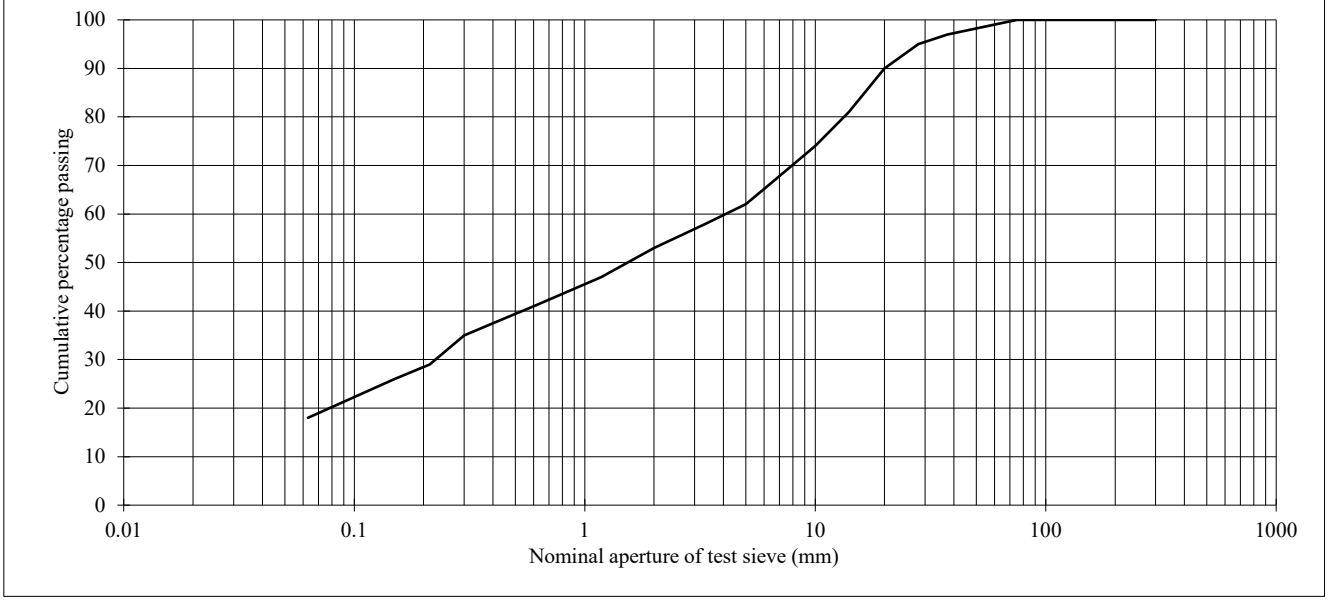
Date of Test: 12/09/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
300	100	
125	100	100
90	100	
75	100	
37.5	97	
28	95	
20	90	
14	81	
10	74	
6.3	66	
5.0	62	
3.35	58	
2.00	53	15 - 80
1.18	47	
0.600	41	
0.425	38	
0.300	35	
0.212	29	
0.150	26	
0.063	18	15 - 80

18% Silt & Clay	35% Sand	47% Gravel	0% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
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Decision rule - Any uncertainty is taken into consideration within the test standard and reporting method.
Results relate only to the sample tested. * Information supplied by client.

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8011

TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-73 Report Date: 18/09/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4, Manchester

Client Ref.*: GT/F/1/3 Lab Ref: Lab 25/1921
Date Sampled* 08/08/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 42
Date Received: 11/09/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Brown Clay (2A)

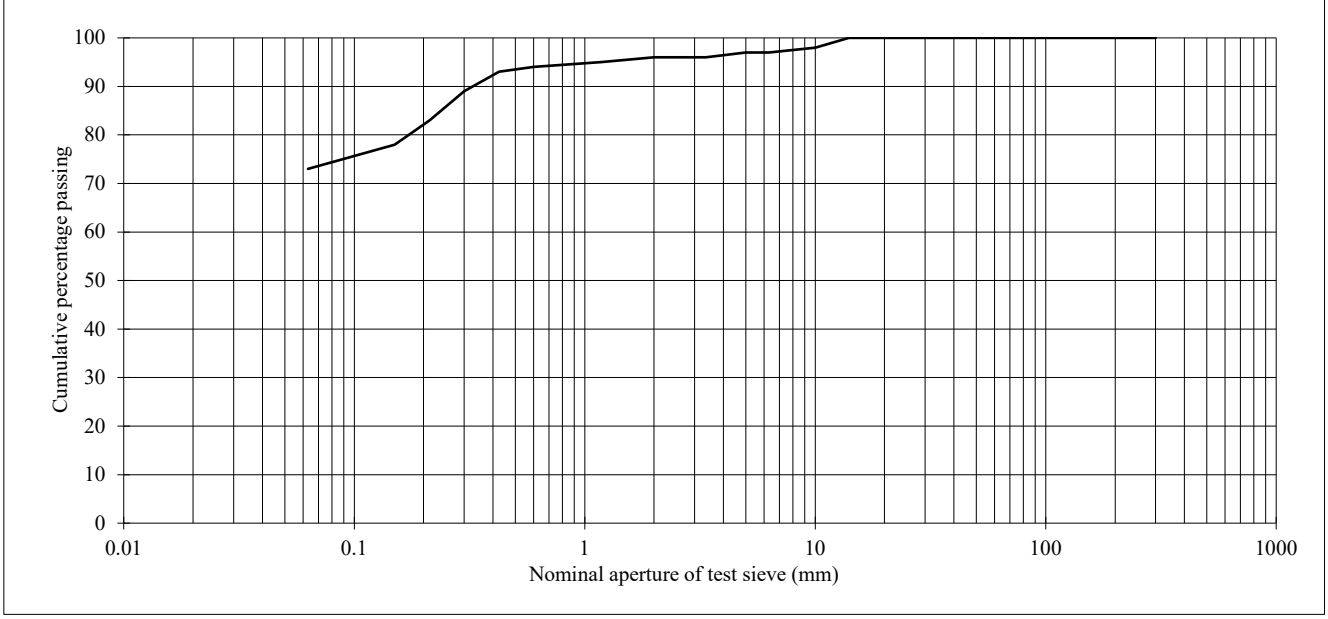
Date of Test: 12/09/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
300	100	
125	100	100
90	100	
75	100	
37.5	100	
28	100	
20	100	
14	100	
10	98	
6.3	97	
5.0	97	
3.35	96	
2.00	96	80 - 100
1.18	95	
0.600	94	
0.425	93	
0.300	89	
0.212	83	
0.150	78	
0.063	73	15 - 100

73% Silt & Clay	23% Sand	4% Gravel	0% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-74 Report Date: 18/09/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4, Manchester

Client Ref.*: GT/F/1/4 Lab Ref: Lab 25/1922
Date Sampled* 14/08/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 50
Date Received: 11/09/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Gravel with Sand & Clay (2C)

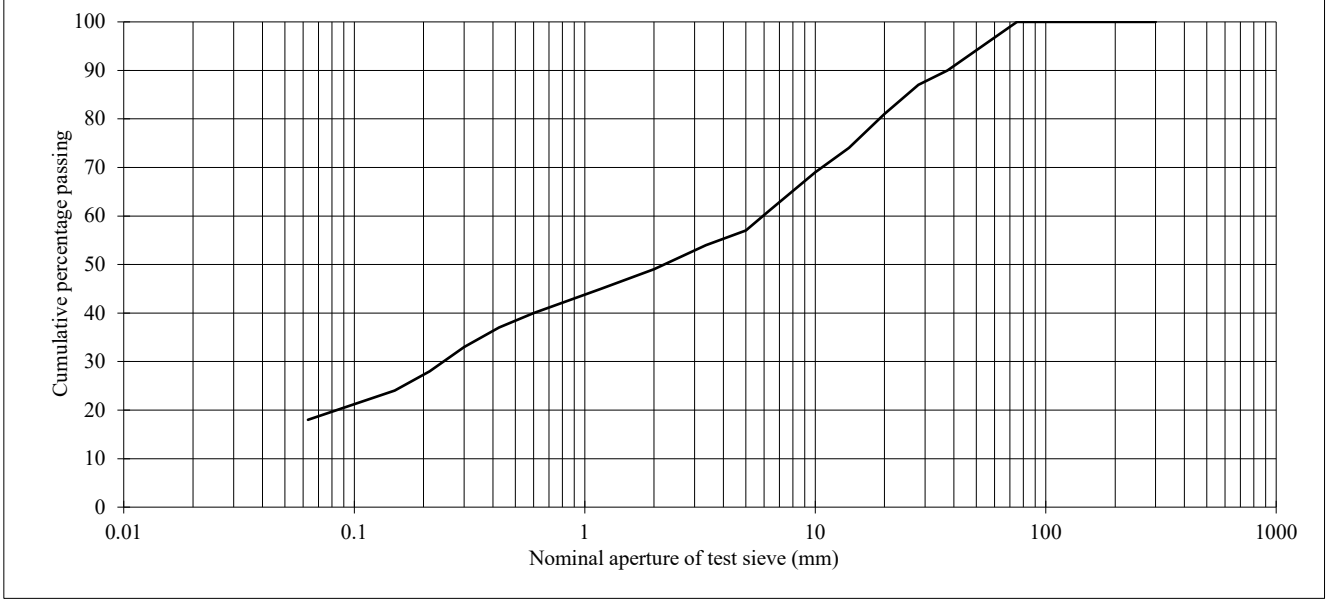
Date of Test: 12/09/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
300	100	
125	100	100
90	100	
75	100	
37.5	90	
28	87	
20	81	
14	74	
10	69	
6.3	61	
5.0	57	
3.35	54	
2.00	49	15 - 80
1.18	45	
0.600	40	
0.425	37	
0.300	33	
0.212	28	
0.150	24	
0.063	18	15 - 80

18% Silt & Clay	31% Sand	51% Gravel	0% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
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Results relate only to the sample tested. * Information supplied by client.

Signed [redacted] J. Wright (Lab Section Manager)

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client P.P. O'Connor Ltd

Address 61 Mosley Road
Trafford Park
Manchester
M17 1GJ

Contract 22975-SMAN,
City Works

Job Number MRN 25057/2
Date of Issue 21 January 2025
Page 1 of 2

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

TEST CERTIFICATE

DETERMINATION OF pH

BS 1377-3:2018+A1:2021 Cl. 12

CLIENT	P.P. O'Connor Ltd
SITE	22975-SMAN, City Works
JOB NUMBER	MRN 25057/2

DATE TESTED	13-Jan-25	DATE SAMPLED	19-Dec-24
SAMPLED BY	Client	DATE RECEIVED	20-Dec-24
PRE-TREATMENT	Air Dried	ADVISED SOURCE	As client & site above

Sample Number	Sample Label	Material	% Ret. 2mm	pH Value
619201	6F2 - Sample 1	Recycled 6F2	87	9.4

REMARKS

SIGNED [redacted]

NAME O.P. Davies BA (Hons) DATE 21-Jan-25
(Director / Head of Laboratory)

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St Helens
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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-75 Report Date: 18/09/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4, Manchester

Client Ref.*: GT/F/1/5 Lab Ref: Lab 25/1923
Date Sampled* 08/09/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 48
Date Received: 11/09/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Brown Clay & Gravel (2C)

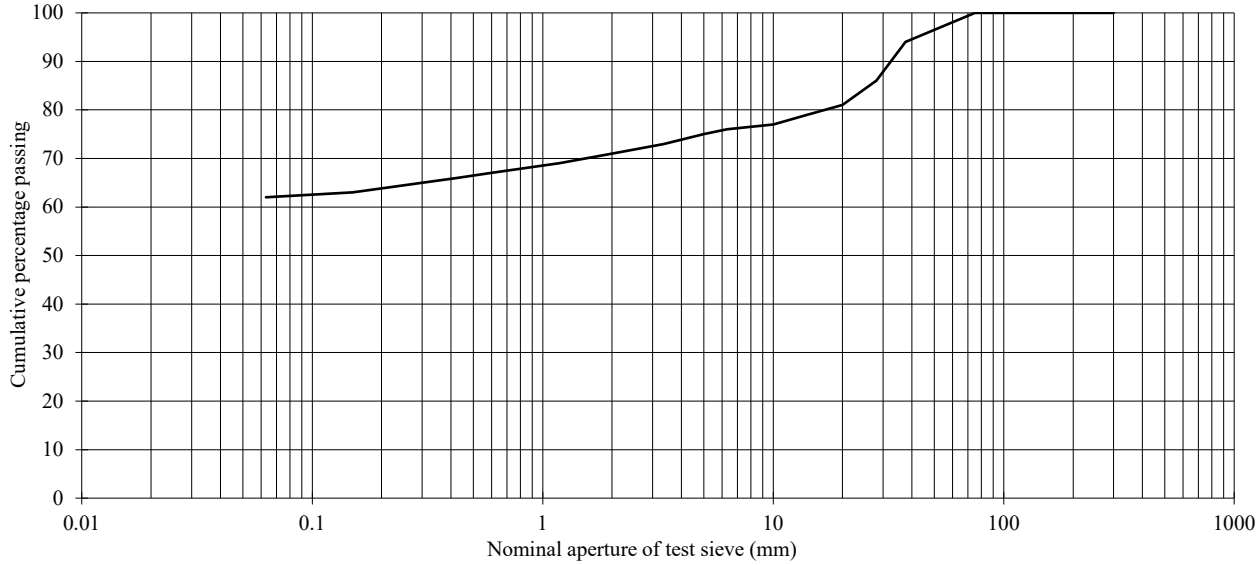
Date of Test: 12/09/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
300	100	
125	100	100
90	100	
75	100	
37.5	94	
28	86	
20	81	
14	79	
10	77	
6.3	76	
5.0	75	
3.35	73	
2.00	71	15 - 80
1.18	69	
0.600	67	
0.425	66	
0.300	65	
0.212	64	
0.150	63	
0.063	62	15 - 80

62% Silt & Clay	9% Sand	29% Gravel	0% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
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Results relate only to the sample tested. * Information supplied by client.

Signed [redacted]

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8011

TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-76 Report Date: 18/09/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4, Manchester

Client Ref.*: GT/1F/1/1 Lab Ref: Lab 25/1924
Date Sampled* 11/08/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 52
Date Received: 11/09/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Brown Clay (2A)

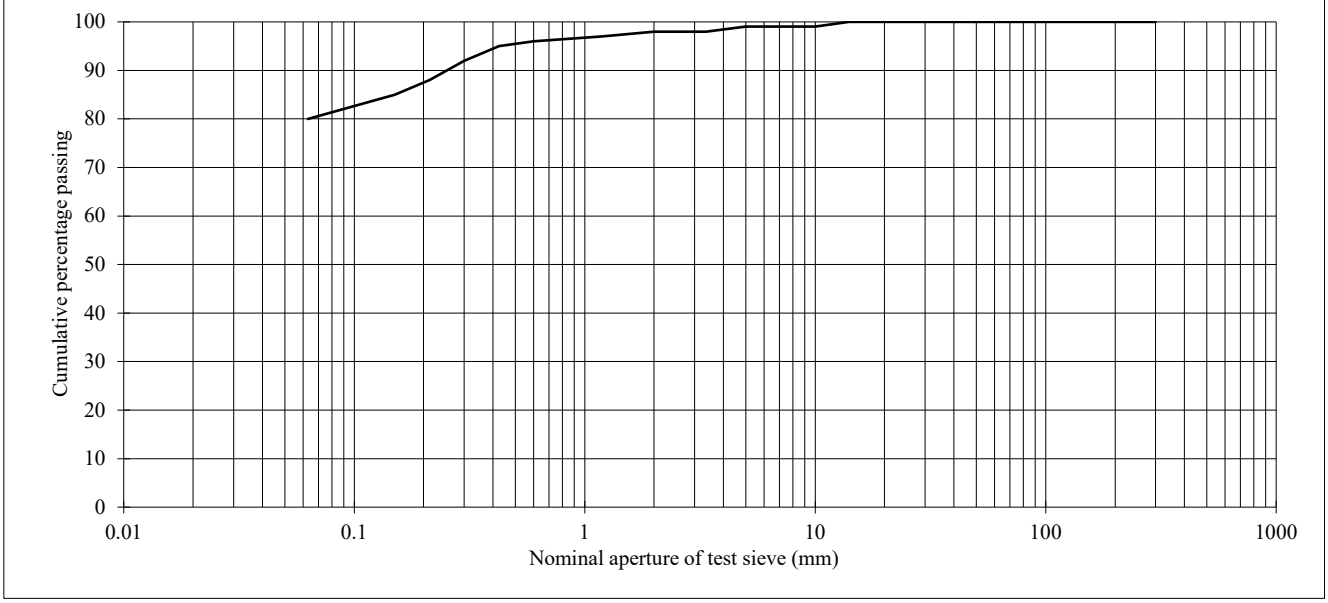
Date of Test: 12/09/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
300	100	
125	100	100
90	100	
75	100	
37.5	100	
28	100	
20	100	
14	100	
10	99	
6.3	99	
5.0	99	
3.35	98	
2.00	98	80 - 100
1.18	97	
0.600	96	
0.425	95	
0.300	92	
0.212	88	
0.150	85	
0.063	80	15 - 100

80% Silt & Clay	18% Sand	2% Gravel	0% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
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TEST REPORT

Determination of Water Content of Aggregates

Report No:	TD25-C-04-A-18	Report Date:	01/07/2025
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Sample Type:	Bulk	Date Sampled*:	12/06/2025
Site:	City 4	Sampled By:	Client
Supplier/Source:	Not Advised / Not Advised	Date Received:	12/06/2025
		Date Tested:	25/06/2025

Lab Reference	25/1252			
Client Reference*	GT/RMOT/1/1			
Sample Location*	Stockpile			
Material Description	Type 1 Subbase			
Nominal Sample Size (mm)	31.5			
Nominal Size Source	Visual			
Water Content (%)	3.1			
Remarks	-			

Comments:

Testing was conducted in accordance with BS EN 1097-5:2008

Sample preparation in accordance with BS EN 932-2:1999

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

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Results relate only to the sample tested.

* Information supplied by client.

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TEST REPORT

Determination of Water Content of Aggregates

Report No:	TD25-C-04-A-19	Report Date:	01/07/2025
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Sample Type:	Bulk	Date Sampled*:	11/06/2025
Site:	City 4	Sampled By:	Client
Supplier/Source:	Not Advised / Not Advised	Date Received:	12/06/2025
		Date Tested:	25/06/2025

Lab Reference	25/1253			
Client Reference*	GT/RMOT/1/2			
Sample Location*	Stockpile			
Material Description	Type 1 Subbase			
Nominal Sample Size (mm)	31.5			
Nominal Size Source	Visual			
Water Content (%)	2.8			
Remarks	-			

Comments:

Testing was conducted in accordance with BS EN 1097-5:2008

Sample preparation in accordance with BS EN 932-2:1999

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

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TEST REPORT

Determination of Moisture Content to BS 1377-2:1990

Report No:	TD25-C-04-A-20	Report Date:	01/07/2025
Client:	Civil & Remediation	Date Sampled*:	11/06/2025
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB	Sampled By:	Client
Site:	City 4	Date Received:	12/06/2025
Supplier/Source:	Not Advised / Not Advised	Date Tested:	25/06/2025

Laboratory Reference	Client Reference*	Sample Location*	Material Description	Moisture Content %	Remarks
25/1254	GT/6F2/1/2	Stockpile	6F2	10	-

Certified that the testing was conducted in accordance with BS 1377-2:1990 Clause 3.2 at 105˚C unless stated

Sample preparation in accordance with BS 1377-1:2016

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

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Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signed: [redacted]	J. Wright (Lab Section Manager)

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TEST REPORT

Determination of Moisture Content to BS 1377-2:1990

Report No:	TD25-C-04-A-21	Report Date:	01/07/2025
Client:	Civil & Remediation	Date Sampled*:	11/06/2025
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB	Sampled By:	Client
Site:	City 4	Date Received:	12/06/2025
Supplier/Source:	Client - Site Won	Date Tested:	25/06/2025

Laboratory Reference	Client Reference*	Sample Location*	Material Description	Moisture Content %	Remarks
25/1255	GT/F/1/1	GT/F/1/1	Black Sand with Recycled Aggregate	16	

Certified that the testing was conducted in accordance with BS 1377-2:1990 Clause 3.2 at 105˚C unless stated

Sample preparation in accordance with BS 1377-1:2016

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

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Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signed: [redacted]	J. Wright (Lab Section Manager)

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TEST REPORT

Determination of Moisture Content to BS 1377-2:1990

Report No:	TD25-C-04-A-36	Report Date:	18/07/2025
Client:	Civil & Remediation	Date Sampled*:	02/07/2025
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB	Sampled By:	Client
Site:	City 4, Manchester	Date Received:	16/07/2025
Supplier/Source:	Client / Site Produced	Date Tested:	17/07/2025

Laboratory Reference	Client Reference*	Sample Location*	Material Description	Moisture Content %	Remarks
25/1507	GT/6F2/111	Stockpile	Recycled 6F2	7.4	-

Certified that the testing was conducted in accordance with BS 1377-2:1990 Clause 3.2 at 105˚C unless stated

Sample preparation in accordance with BS 1377-1:2016

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

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Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signed: [redacted]

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TEST REPORT

Determination of Moisture Content to BS 1377-2:1990

Report No:	TD25-C-04-A-37	Report Date:	18/07/2025
Client:	Civil & Remediation	Date Sampled*:	10/07/2025
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB	Sampled By:	Client
Site:	City 4, Manchester	Date Received:	16/07/2025
Supplier/Source:	Client / Site Produced	Date Tested:	17/07/2025

Laboratory Reference	Client Reference*	Sample Location*	Material Description	Moisture Content %	Remarks
25/1508	GT/6F2/112	Stockpile	Recycled 6F2	9.4	-

Certified that the testing was conducted in accordance with BS 1377-2:1990 Clause 3.2 at 105˚C unless stated

Sample preparation in accordance with BS 1377-1:2016

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* Information supplied by client.

Comments/Deviations:

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TEST REPORT

Determination of Moisture Content to BS 1377-2:1990

Report No:	TD25-C-04-A-38	Report Date:	18/07/2025
Client:	Civil & Remediation	Date Sampled:	11/07/2025
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB	Sampled By:	TD
Site:	City 4, Manchester	Date Received:	11/07/2025
Supplier/Source:	Client / Site Produced	Date Tested:	17/07/2025

Laboratory Reference	Client Reference*	Sample Location*	Material Description	Moisture Content %	Remarks
25/1509	AV1 - 11/07/2025	Stockpile	Recycled 6F2	8.5	-

Certified that the testing was conducted in accordance with BS 1377-2:1990 Clause 3.2 at 105˚C unless stated

Sample preparation in accordance with BS 1377-1:2016

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signed: [redacted]	J. Wright (Lab Section Manager)

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TEST REPORT

Determination of Water Content of Aggregates

Report No:	TD25-C-04-A-56	Report Date:	04/09/2025
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Sample Type:	Bulk	Date Sampled:	22/08/2025
Site:	City 4, Manchester	Sampled By:	TD
Supplier/Source:	Client / Site Won	Date Received:	22/08/2025
		Date Tested:	02/09/2025

Lab Reference	25/1786			
Client Reference*	GT/MOT/1/3			
Sample Location*	Not Advised			
Material Description	Type 1 Subbase (Recycled)			
Nominal Sample Size (mm)	31.5			
Nominal Size Source	Visual			
Water Content (%)	2.4			
Remarks	-			

Comments:

Testing was conducted in accordance with BS EN 1097-5:2008

Sample preparation in accordance with BS EN 932-2:1999

Sampled in accordance with BS EN 932-1:1997.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Sign [redacted]	J. Wright (Lab Section Manager)

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TEST REPORT

Determination of Moisture Content to BS 1377-2:1990

Report No:	TD25-C-04-A-65	Report Date:	16/09/2025
Client:	Civil & Remediation	Date Sampled:	Various
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB	Sampled By:	TD
Site:	City 4, Manchester	Date Received:	11/09/2025
Supplier/Source:	Client / Site Won	Date Tested:	12/09/2025

Laboratory Reference	Client Reference*	Sample Location*	Material Description	Moisture Content %	Remarks
25/1920	GT/F/1/2 - 05/08/25	Not Advised	Gravel with Sand & Clay	21	-
25/1921	GT/F/1/3 - 08/08/25	Not Advised	Brown Clay	19	-
25/1922	GT/F/1/4 - 14/08/25	Not Advised	Gravel with Sand & Clay	24	-
25/1923	GT/F/1/5 - 08/09/25	Not Advised	Brown Clay & Gravel	20	-
25/1924	GT/IF/1/1 - 11/08/25	Not Advised	Brown Clay	19	-

Certified that the testing was conducted in accordance with BS 1377-2:1990 Clause 3.2 at 105˚C unless stated

Sample preparation in accordance with BS 1377-1:2016

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signed: [redacted]	J. Wright (Lab Section Manager)

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Merseyside
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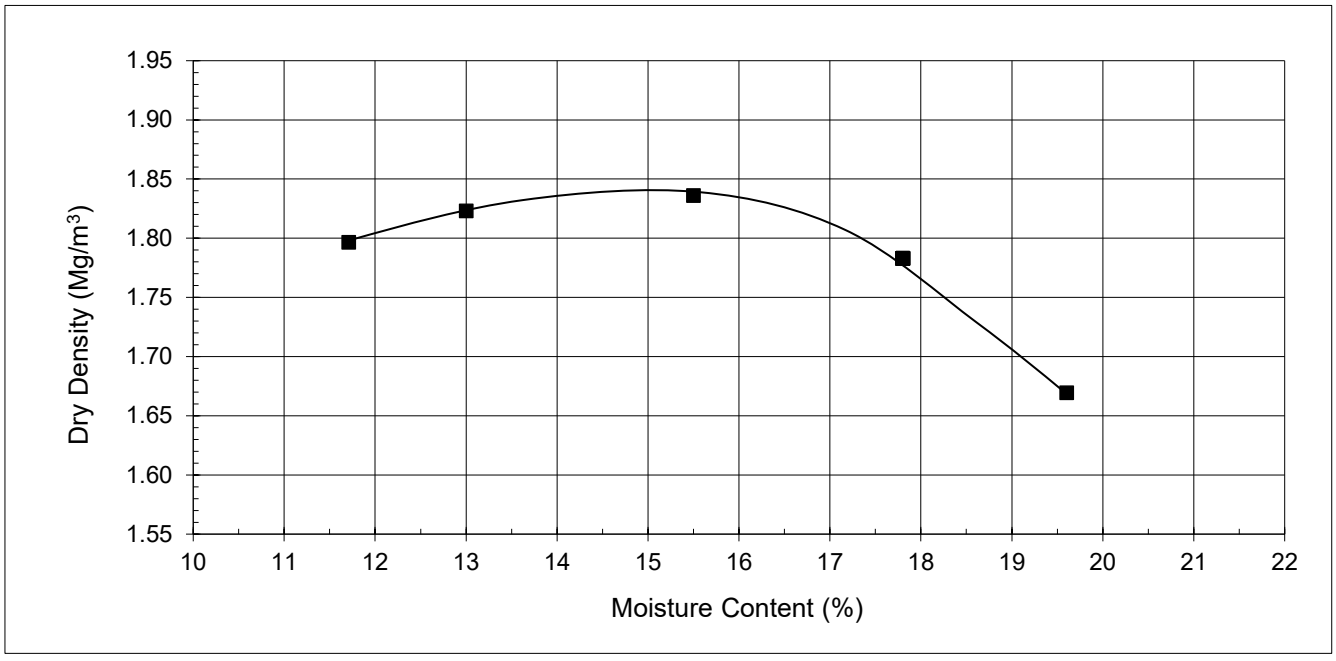
T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Determination of Dry Density/Water Content Relationship

Report No.:	TD25-C-04-A-16	Date Reported:	30/06/25
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4	Lab Ref:	25/1255
Location*:	Not Advised	Client Sample Ref*:	GT/F/1/1
Type of Sample:	Bulk	Sampled By:	Client
Sample Description:	Black Sand with Recycled Aggregate & Ash	Date Sampled*:	11/06/2025
Material Source*:	Site Won	Date Received:	12/06/2025
Particle Density Mg/m^3:	N/A	Date Tested:	26/06/2025
Amount Retained on 20mm Sieve:	6%	Specimen Type:	Single
Amount Retained on 37.5mm Sieve:	0%	Rammer Type:	4.5kg
As Received Water Content (%):	18	Grading Zone:	3
Optimum Water Content (%):	**15**	Preparation Procedure:	11.2.4.1
Maximum Dry Density (Mg/m^3):	**1.84**	Sieved On:	20mm



Certified that the test was carried out in accordance with BS 1377-2:2022, Method 11.5

Particle Density not requested therefore Air Void Lines have not been plotted.

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

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Results relate only to the sample tested.

* Information supplied by client.

Deviations/Comments:

Sig [redacted]

J. Wright (Lab Section Manager)

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WA10 2SD

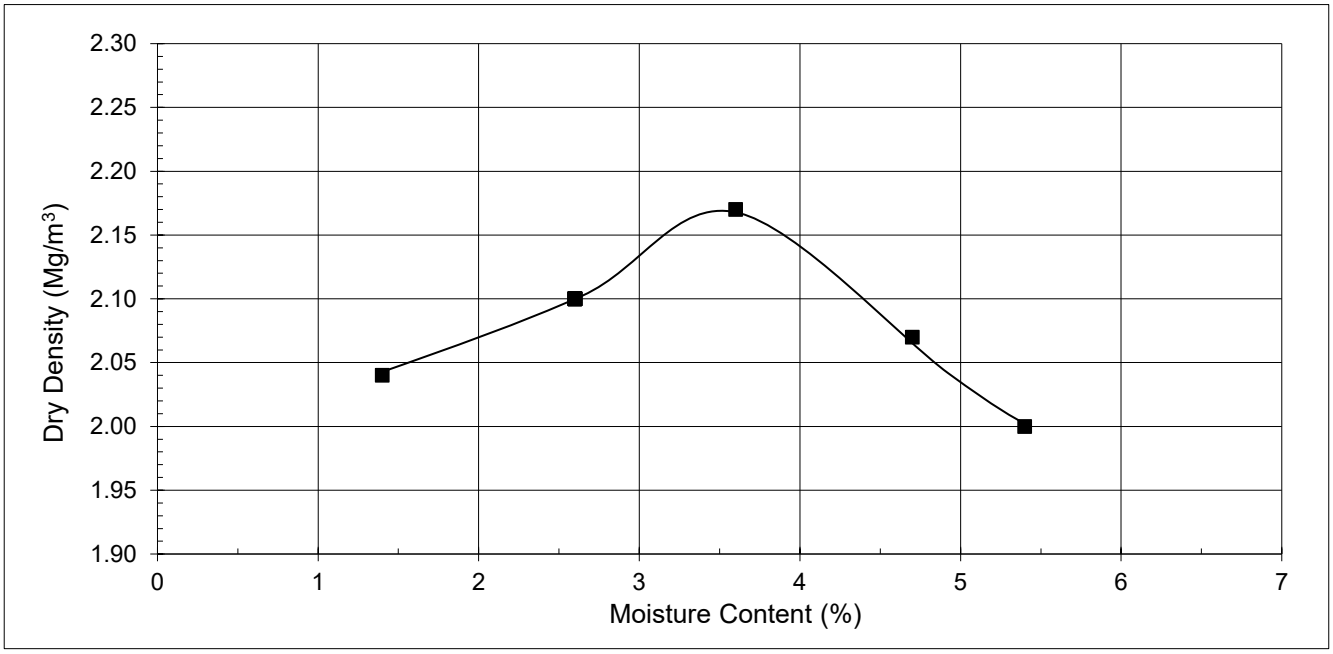
T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

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TEST REPORT

Determination of Reference Density & Water Content

Report No.:	TD25-C-04-A-22	Date Reported:	02/07/2025
Client:	Civil & Remediation		
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4		
Location*:	Stockpile		
Sample Description:	Type 1 Subbase		
Supplier/Source*:	Not Advised / Not Advised		
Client Ref*:	GT/MOT/1/1	Lab Ref:	25/1252
Particle Density Mg/m^3:	N/A	Sampled By:	Client
Amount retained on 40mm sieve (%):	0	Date Sampled*:	11/06/2025
Optimum Moisture Content (%):	**3.5**	Date Received:	12/06/2025
Maximum Dry Density (Mg/m^3):	**2.17**	Date Tested:	30/06/2025



Deviations/Comments:

Certified that the test was carried out in accordance with BS EN 13286-4:2003.
Determination of Particle Density not requested therefore Air Void Lines have not been plotted
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
This report shall not be reproduced except in full without approval of the laboratory.
Results relate only to the sample tested.
* Information supplied by client.

Si [redacted]

J. Wright (Lab Section Manager)

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WA10 2SD

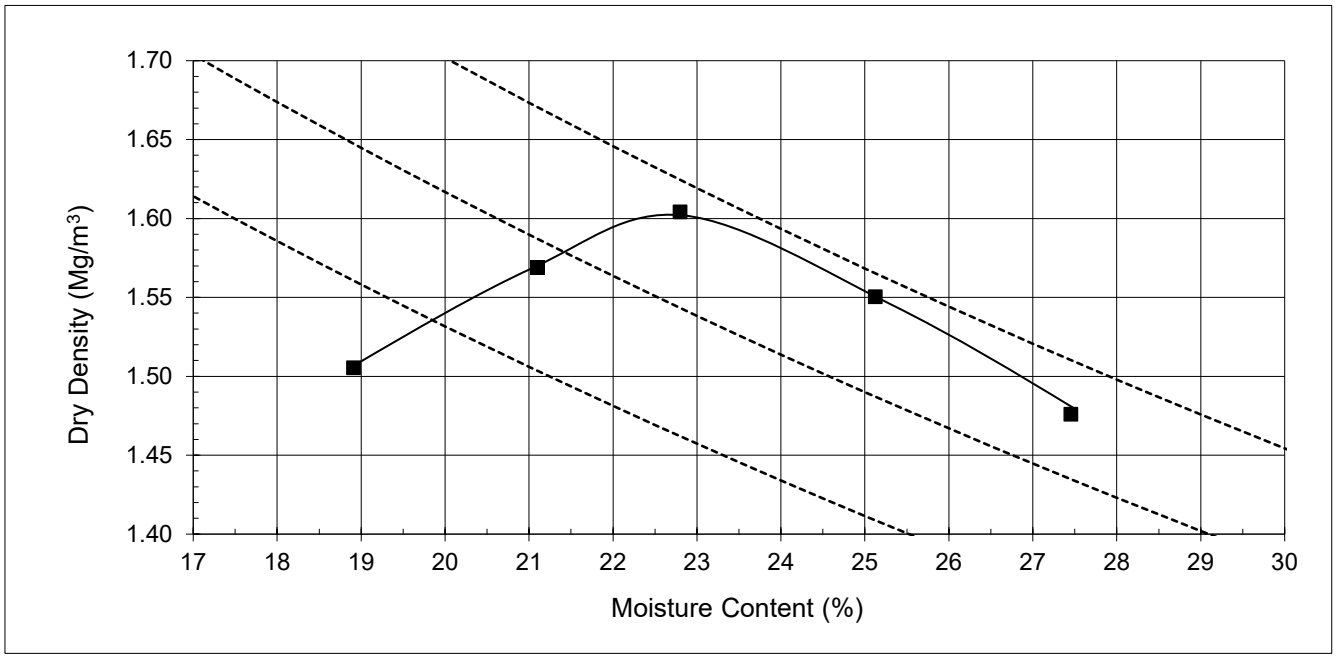
T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

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TEST REPORT

Determination of Dry Density/Moisture Content Relationship

Report No.:	TD25-C-04-A-23	Date Reported:	03/07/25
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4	Lab Ref:	25/1408
Location*:	Stockpile	Client Sample Ref*:	DH-26/06-01
Type of Sample:	Bulk	Sampled By:	TD
Sample Description:	Brown Stony Clay	Date Sampled:	26/06/2025
Material Source*:	Client / Site Won	Date Received:	26/06/2025
Particle Density Mg/m^3:	2.58	Date Tested:	02/07/2025
Amount Retained on 20mm Sieve:	9%	Specimen Type:	Multiple
Amount Retained on 37.5mm Sieve:	4%	Rammer Type:	2.5kg
As Received Moisture Content (%):	21	Grading Zone:	4
Optimum Moisture Content (%):	**23**	Preparation Procedure:	3.2.7.2
Maximum Dry Density (Mg/m^3):	**1.60**	Sieved On:	37.5mm



Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.4

Air Void Lines plotted at 0%, 5% and 10% Values.

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Deviations/Comments:

Sign [redacted]

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TEST REPORT

Determination of Particle Density to BS1377-2:1990
Gas Jar Method

Report No:	TD25-C-04-A-25	**Report Date:**	09/07/2025
Client:	Civil & Remediation		
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4	**Lab Ref:**	25/1408
Type of sample:	Bulk	**Client Ref*:**	DH-26/06-01
Sample Location*:	Not Advised		
Sample Description:	Brown Stony Clay		
Supplier/Source*:	Client / Site Won		
Orientation:	N/A		
Date Sampled:	26/06/2025		
Sampled By:	TD		
Date Received:	26/06/2025		
Date of Test:	02/07/2025		

Average Particle Density = 2.58 Mg/m³

Sample Prepared in accordance with BS1377-1:2016 Cl 8.3, 8.4.4

Sampled in accordance with IHP C146 Soil Sampling.

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Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signed: [redacted]

J. Wright (Lab Section Manager)

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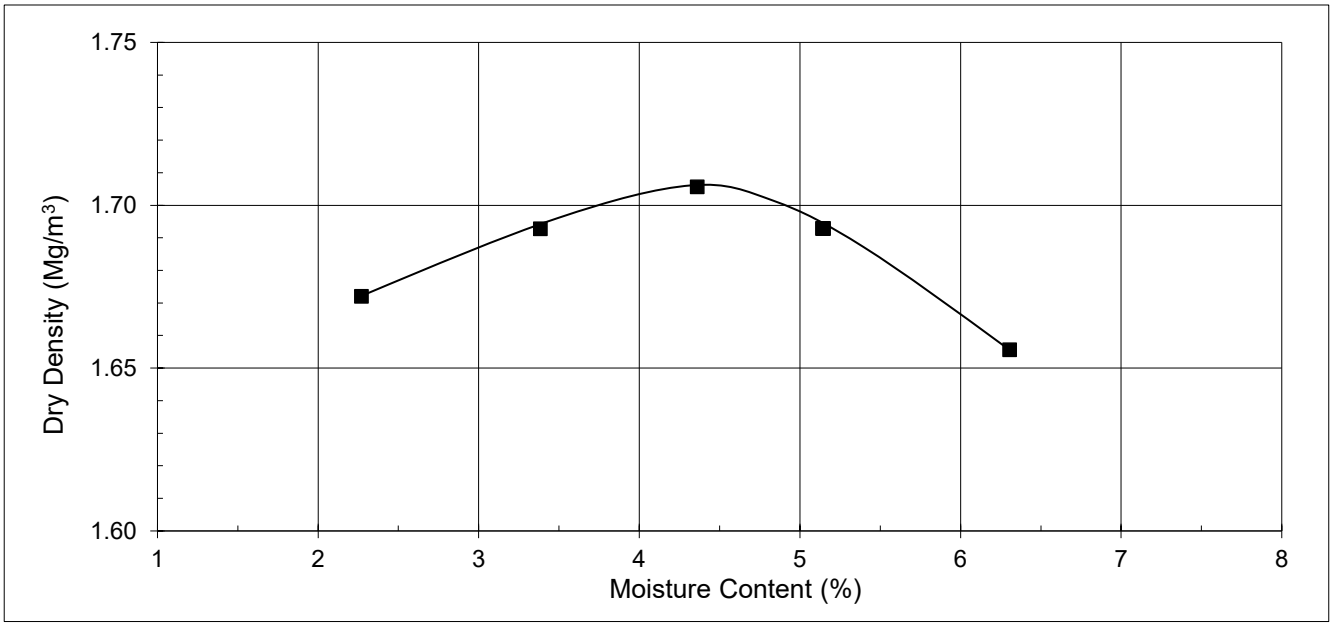
T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

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TEST REPORT

Determination of Moisture Content/Dry Density Relationship

Report No.:	TD25-C-04-A-29	Date Reported:	16/07/25
Client:	Civil & Remediation		
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4	Lab Ref:	25/1254
Location*:	Stockpile	Client Ref:	GT/6F2/1/2
Type of Sample:	Bulk	Sampled By:	Client
Sample Description:	Recycled 6F2	Date Sampled*:	11/06/2025
Material Source*:	Site Won	Date Received:	12/06/2025
Particle Density Mg/m^3:	N/A	Date Tested:	10/07/2025
Amount Retained on 20mm Sieve:	63%	Specimen Type:	Multiple
Amount Retained on 37.5mm Sieve:	25%	Rammer Type:	Vibrating Hammer
As Received Moisture Content (%):	10.0	Grading Zone:	X
Optimum Moisture Content (%):	**4.5**	Preparation Procedure:	3.7.5.2
Maximum Dry Density (Mg/m^3):	**1.71**		



Deviations/Comments:

Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.7.

Determination of Particle Density not requested therefore Air Void Lines have not been plotted.

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

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Results relate only to the sample tested.

* Information supplied by client.

Signe [redacted]

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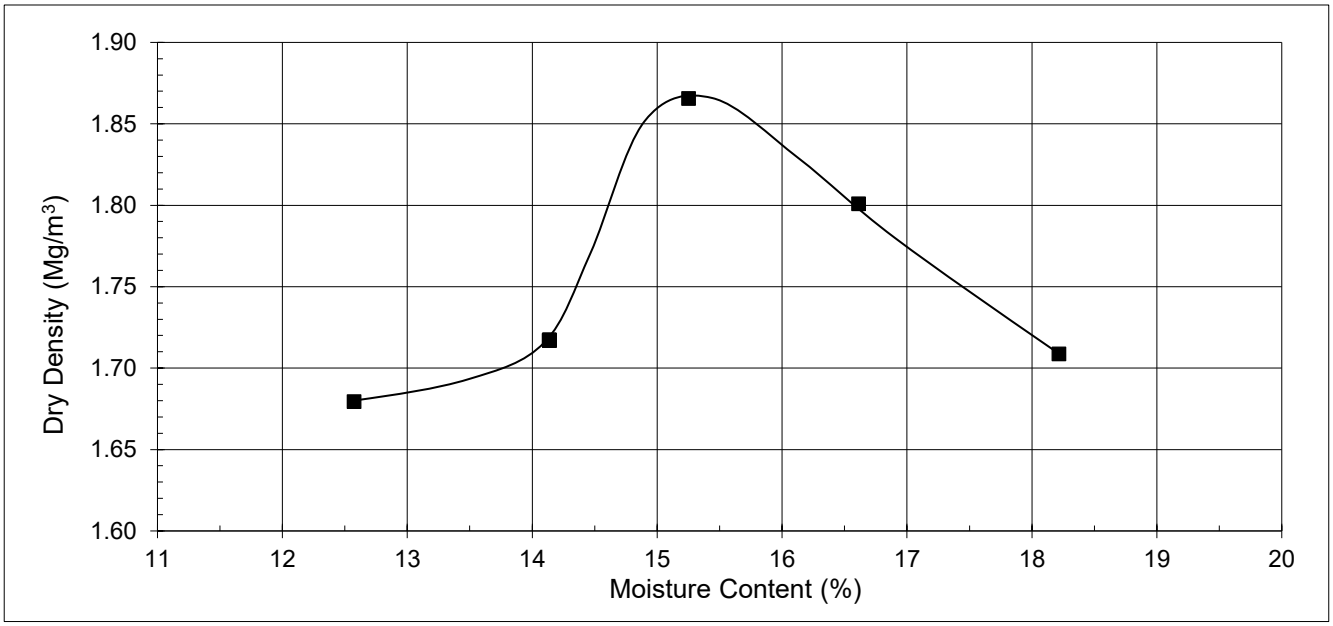
T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

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TEST REPORT

Determination of Moisture Content/Dry Density Relationship

Report No.:	TD25-C-04-A-45	Date Reported:	23/07/25
Client:	Civil & Remediation		
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester	Lab Ref:	25/1509
Location*:	Stockpile	Client Ref:	AV1/11-07-25
Type of Sample:	Bulk	Sampled By:	TD
Sample Description:	Recycled 6F2	Date Sampled:	11/07/2025
Material Source*:	Client / Site Won	Date Received:	11/07/2025
Particle Density Mg/m^3:	N/A	Date Tested:	21/07/2025
Amount Retained on 20mm Sieve:	43%	Specimen Type:	Multiple
Amount Retained on 37.5mm Sieve:	30%	Rammer Type:	Vibrating Hammer
As Received Moisture Content (%):	8.5	Grading Zone:	X
Optimum Moisture Content (%):	**15**	Preparation Procedure:	3.7.5.2
Maximum Dry Density (Mg/m^3):	**1.87**		



Deviations/Comments:

Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.7.

Determination of Particle Density not requested therefore Air Void Lines have not been plotted.

Sampled in accordance with IHP C146.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Sig [redacted]

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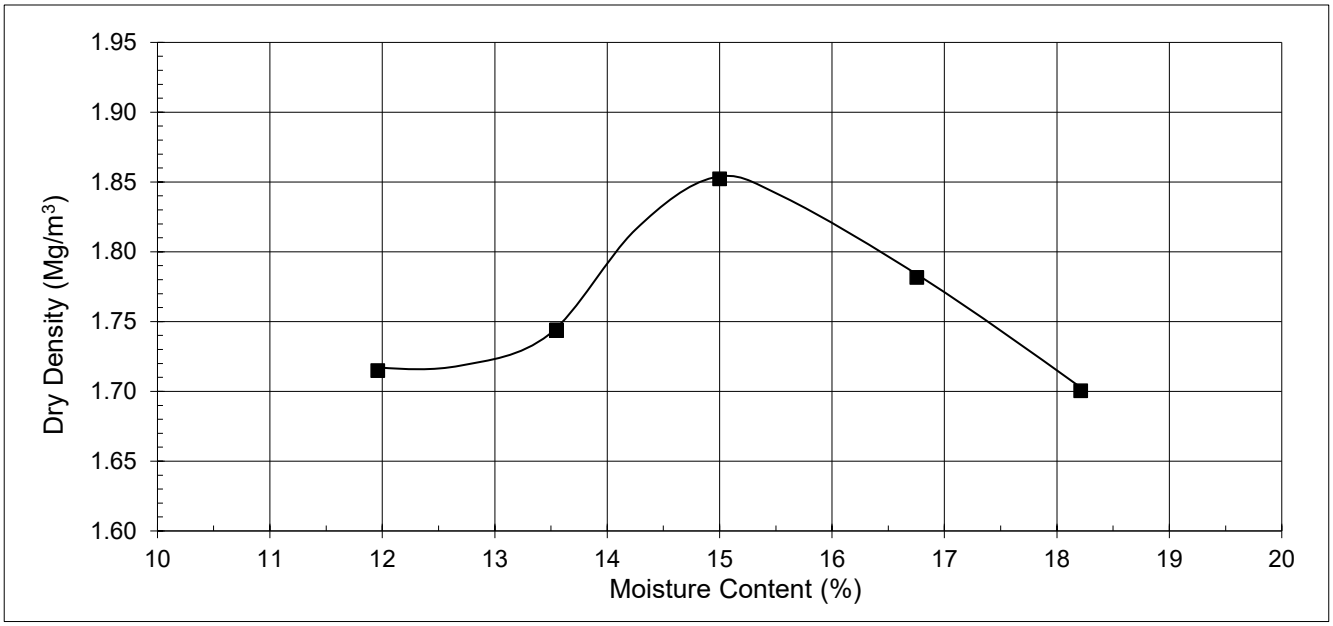
T: 01744 734769
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TEST REPORT

Determination of Moisture Content/Dry Density Relationship

Report No.:	TD25-C-04-A-46	Date Reported:	23/07/25
Client:	Civil & Remediation		
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester	Lab Ref:	25/1507
Location*:	Stockpile	Client Ref:	GT/6F2/111
Type of Sample:	Bulk	Sampled By:	Client
Sample Description:	Recycled 6F2	Date Sampled*:	16/07/2025
Material Source*:	Client / Site Won	Date Received:	16/07/2025
Particle Density Mg/m^3:	N/A	Date Tested:	21/07/2025
Amount Retained on 20mm Sieve:	47%	Specimen Type:	Multiple
Amount Retained on 37.5mm Sieve:	32%	Rammer Type:	Vibrating Hammer
As Received Moisture Content (%):	7.4	Grading Zone:	X
Optimum Moisture Content (%):	**15**	Preparation Procedure:	3.7.5.2
Maximum Dry Density (Mg/m^3):	**1.85**		



Deviations/Comments:

Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.7.

Determination of Particle Density not requested therefore Air Void Lines have not been plotted.

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Signed [redacted]

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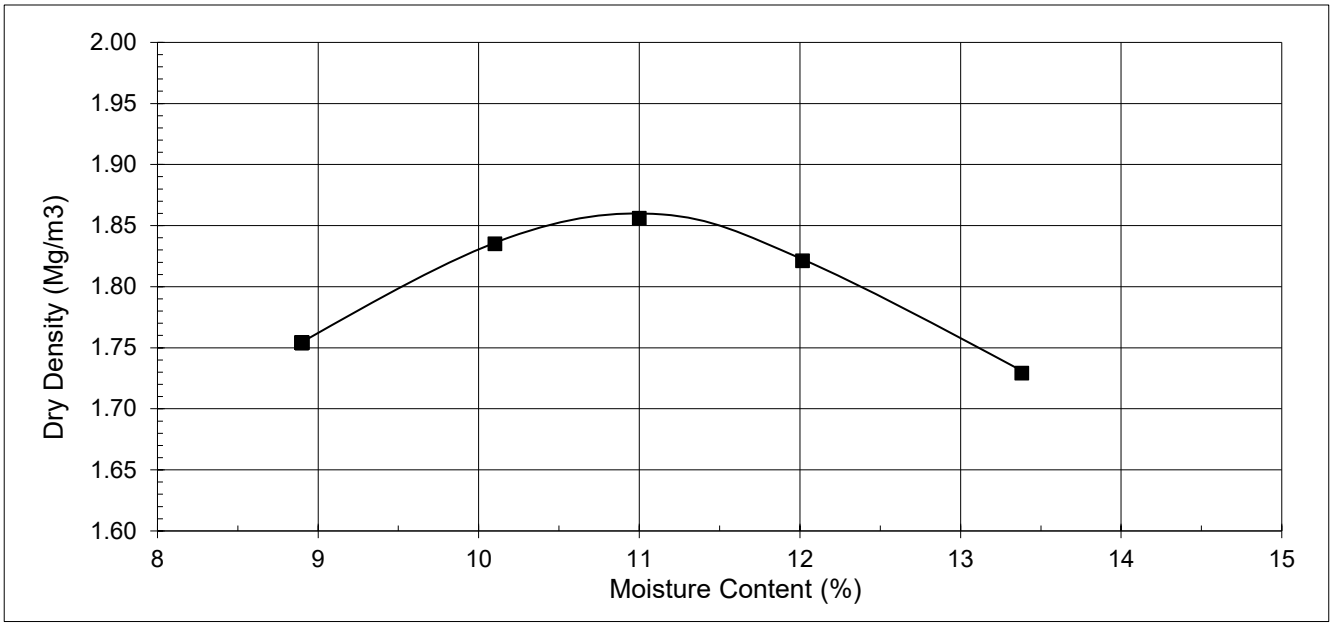
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CONSTRUCTION TESTING

TEST REPORT

Determination of Moisture Content/Dry Density Relationship

Report No.:	TD25-C-04-A-57	Date Reported:	04/09/25
Client:	Civil & Remediation		
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester	Lab Ref:	25/1782
Location*:	Not Advised	Client Ref:	GT/6F2/1/4
Type of Sample:	Bulk	Sampled By:	TD
Sample Description:	Recycled 6F2	Date Sampled:	22/08/2025
Material Source*:	Client / Site Won	Date Received:	22/08/2025
Particle Density Mg/m^3:	N/A	Date Tested:	02/09/2025
Amount Retained on 20mm Sieve:	49%	Specimen Type:	Multiple
Amount Retained on 37.5mm Sieve:	23%	Rammer Type:	Vibrating Hammer
As Received Moisture Content (%):	6.2	Grading Zone:	X
Optimum Moisture Content (%):	**11**	Preparation Procedure:	3.7.5.2
Maximum Dry Density (Mg/m^3):	**1.86**		



Deviations/Comments:

Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.7.

Determination of Particle Density not requested therefore Air Void Lines have not been plotted.

Sampled in accordance with IHP C146.

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Results relate only to the sample tested.

* Information supplied by client.

Sign [redacted]

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40 Lord Street
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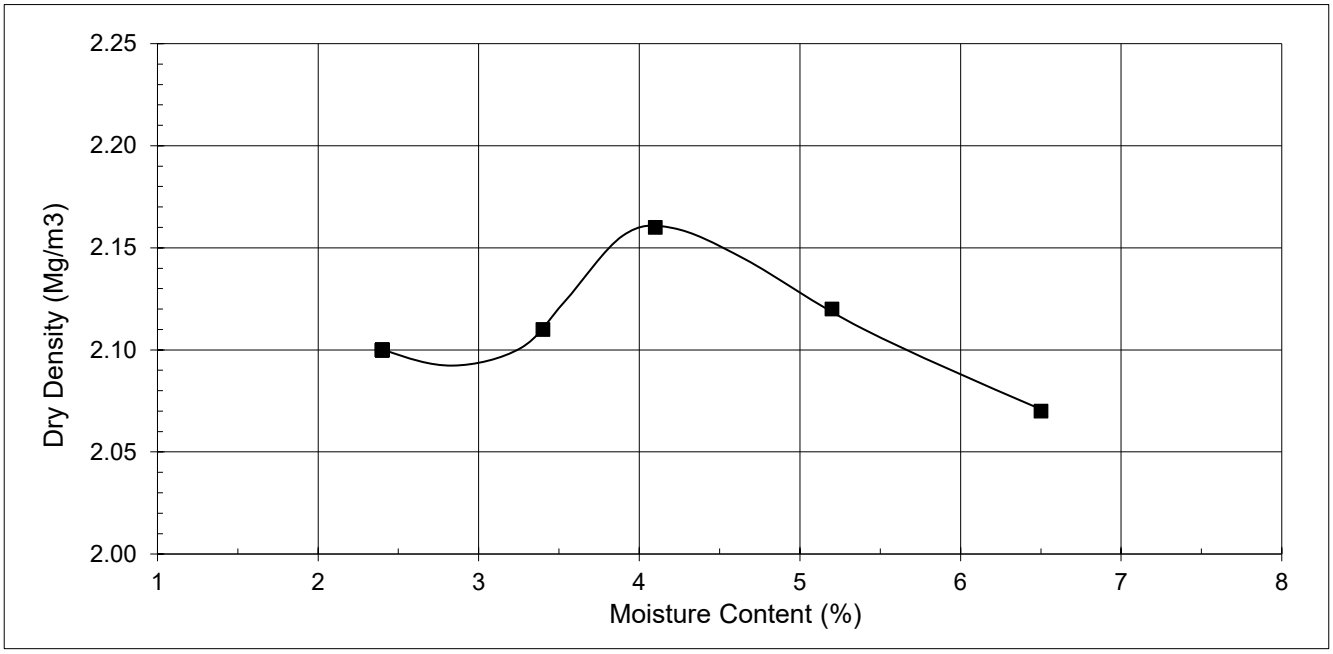
T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

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TEST REPORT

Determination of Reference Density & Water Content

Report No.:	TD25-C-04-A-58	Date Reported:	04/09/25
Client:	Civil & Remediation		
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester		
Location*:	Not Advised		
Sample Description:	Type 1 Subbase (Recycled)		
Supplier/Source*:	Client / Site Won		
Client Ref*:	GT/MOT/1/3	Lab Ref:	25/1786
Particle Density Mg/m^3:	N/A	Sampled By:	Client
Amount retained on 40mm sieve (%):	2.4%	Date Sampled*:	22/08/2025
Optimum Moisture Content (%):	**4.0**	Date Received:	22/08/2025
Maximum Dry Density (Mg/m^3):	**2.16**	Date Tested:	02/09/2025



Deviations/Comments:

Certified that the test was carried out in accordance with BS EN 13286-4:2003.
Determination of Particle Density not requested therefore Air Void Lines have not been plotted
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
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Results relate only to the sample tested.
* Information supplied by client.

Sign [redacted]

J. Wright (Lab Section Manager)

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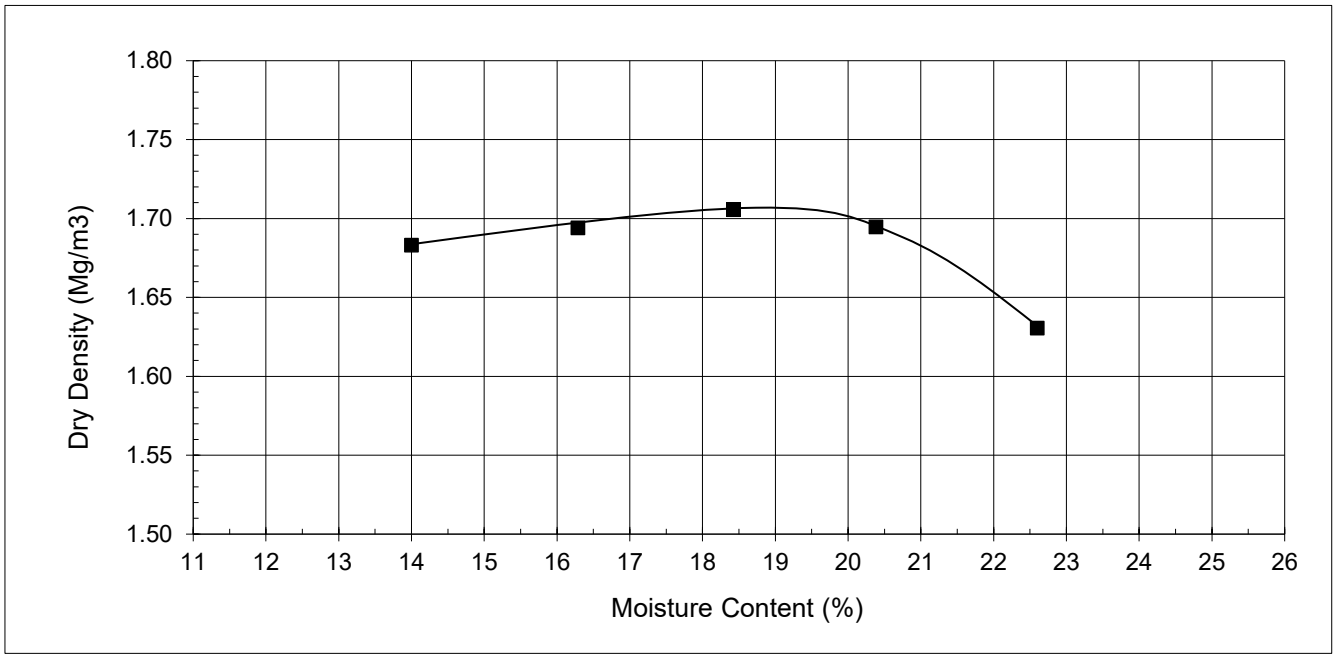
T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

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TEST REPORT

Determination of Dry Density/Moisture Content Relationship

Report No.:	TD25-C-04-A-66	Date Reported:	16/09/25
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester	Lab Ref:	25/1921
Location*:	N/A	Client Sample Ref*:	GT/F/1/3
Type of Sample:	Bulk	Sampled By:	TD
Sample Description:	Brown Clay	Date Sampled:	08/08/2025
Material Source*:	Client / Site Won	Date Received:	11/09/2025
Particle Density Mg/m^3:	N/A	Date Tested:	15/09/2025
Amount Retained on 20mm Sieve:	0%	Specimen Type:	Single
Amount Retained on 37.5mm Sieve:	0%	Rammer Type:	2.5kg
As Received Moisture Content (%):	19	Grading Zone:	1
Optimum Moisture Content (%):	**19**	Preparation Procedure:	3.2.4.1
Maximum Dry Density (Mg/m^3):	**1.71**	Sieved On:	20mm



Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.3

Particle Density not requested therefore Air Void Lines have not been plotted.

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Deviations/Comments:

Signe [redacted]

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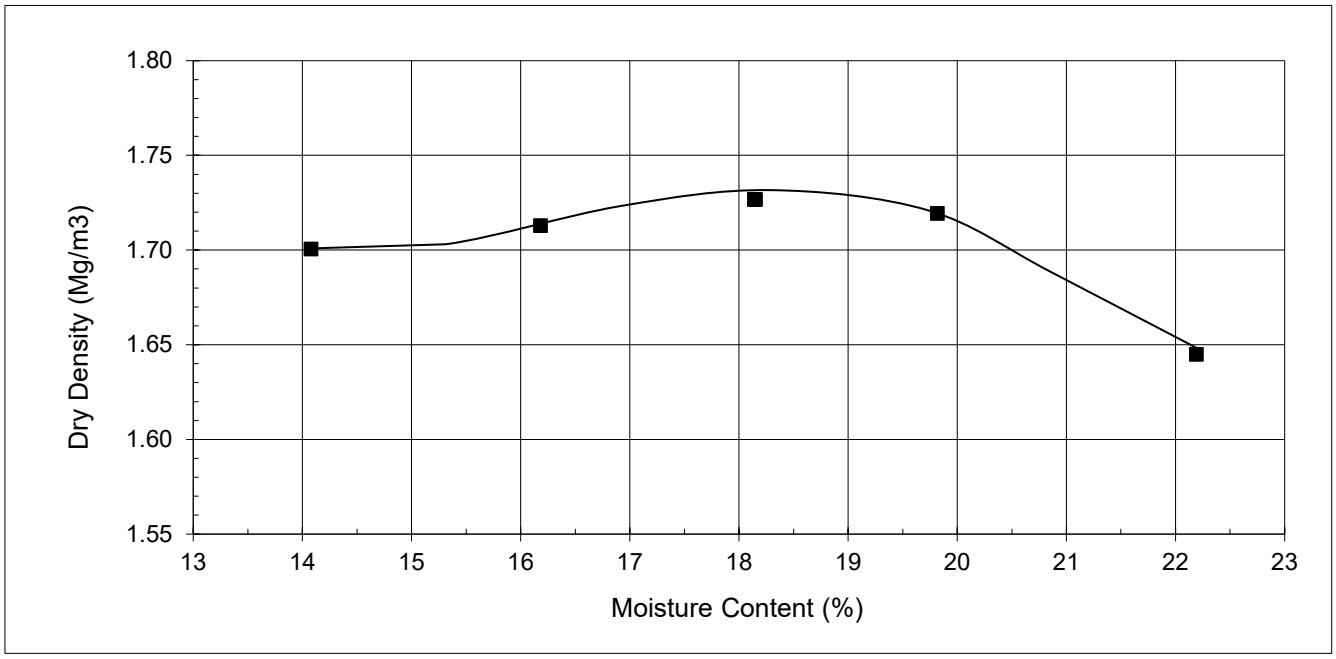
T: 01744 734769
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TEST REPORT

Determination of Dry Density/Moisture Content Relationship

Report No.:	TD25-C-04-A-67	Date Reported:	16/09/25
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester	Lab Ref:	25/1924
Location*:	N/A	Client Sample Ref*:	GT/IF/1/1
Type of Sample:	Bulk	Sampled By:	TD
Sample Description:	Brown Clay	Date Sampled:	11/08/2025
Material Source*:	Client / Site Won	Date Received:	11/09/2025
Particle Density Mg/m^3:	N/A	Date Tested:	15/09/2025
Amount Retained on 20mm Sieve:	0%	Specimen Type:	Single
Amount Retained on 37.5mm Sieve:	0%	Rammer Type:	2.5kg
As Received Moisture Content (%):	19	Grading Zone:	1
Optimum Moisture Content (%):	**19**	Preparation Procedure:	3.2.4.1
Maximum Dry Density (Mg/m^3):	**1.73**	Sieved On:	20mm



Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.3

Particle Density not requested therefore Air Void Lines have not been plotted.

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Deviations/Comments:

Sign [redacted]

J. Wright (Lab Section Manager)

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WA10 2SD

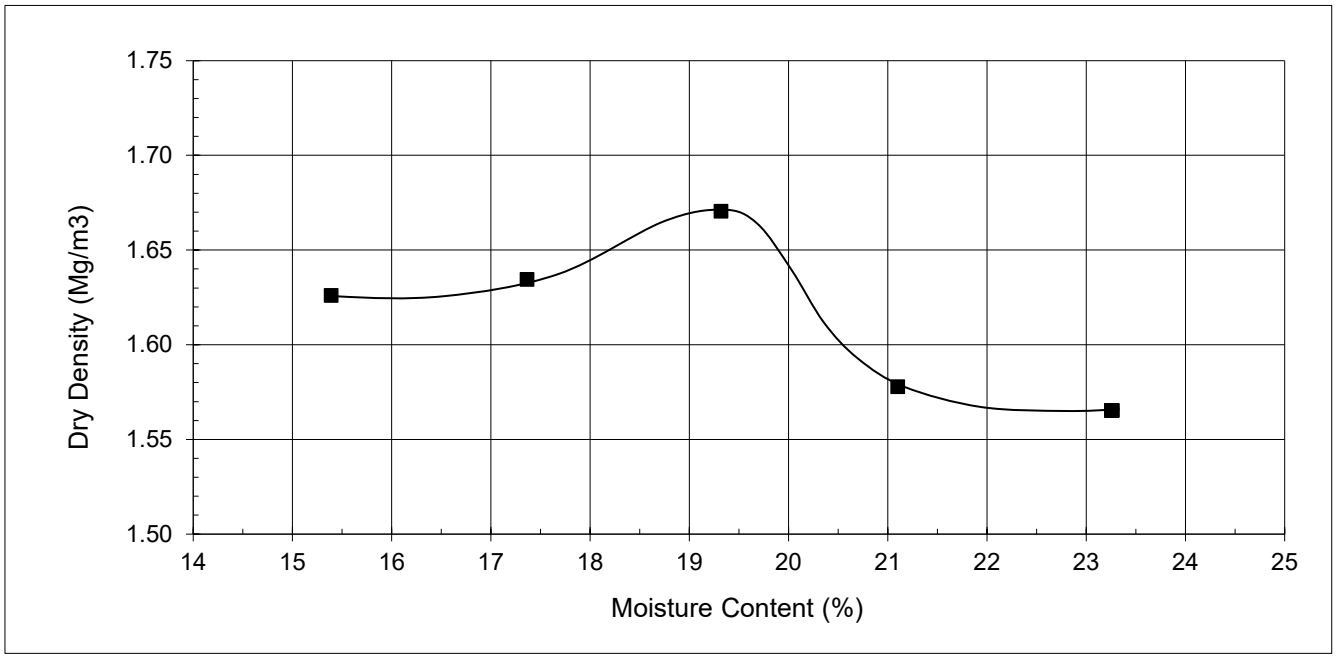
T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

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TEST REPORT

Determination of Dry Density/Moisture Content Relationship

Report No.:	TD25-C-04-A-68	Date Reported:	17/09/25
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester	Lab Ref:	25/1920
Location*:	N/A	Client Sample Ref*:	GT/F/1/2
Type of Sample:	Bulk	Sampled By:	TD
Sample Description:	Gravel with Sand & Clay	Date Sampled:	05/08/2025
Material Source*:	Client / Site Won	Date Received:	11/09/2025
Particle Density Mg/m^3:	N/A	Date Tested:	15/09/2025
Amount Retained on 20mm Sieve:	16%	Specimen Type:	Single
Amount Retained on 37.5mm Sieve:	0%	Rammer Type:	2.5kg
As Received Moisture Content (%):	21	Grading Zone:	3
Optimum Moisture Content (%):	**19**	Preparation Procedure:	3.2.5.1
Maximum Dry Density (Mg/m^3):	**1.67**	Sieved On:	20mm



Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.4

Particle Density not requested therefore Air Void Lines have not been plotted.

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Deviations/Comments:

Sign [redacted]

J. Wright (Lab Section Manager)

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40 Lord Street
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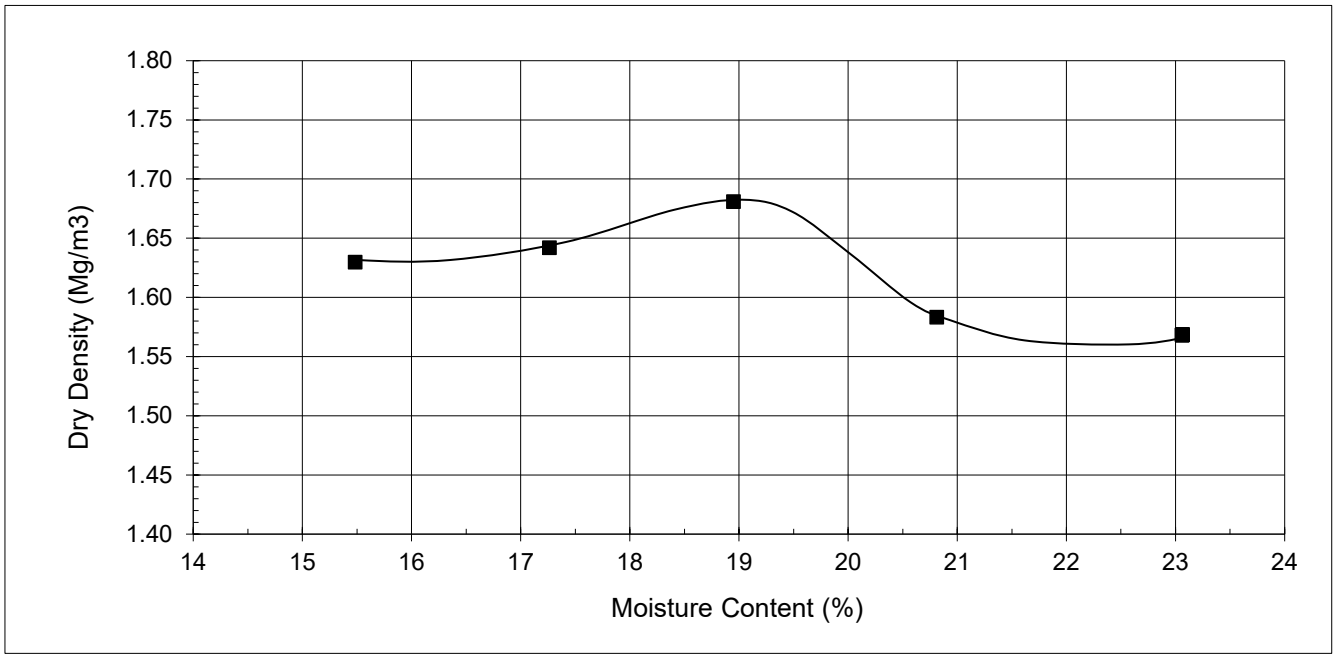
8011

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

TEST REPORT

Determination of Dry Density/Moisture Content Relationship

Report No.:	TD25-C-04-A-69	Date Reported:	17/09/25
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester	Lab Ref:	25/1923
Location*:	N/A	Client Sample Ref*:	GT/F/1/5
Type of Sample:	Bulk	Sampled By:	TD
Sample Description:	Brown Clay & Gravel	Date Sampled:	08/09/2025
Material Source*:	Client / Site Won	Date Received:	11/09/2025
Particle Density Mg/m^3:	N/A	Date Tested:	15/09/2025
Amount Retained on 20mm Sieve:	16%	Specimen Type:	Single
Amount Retained on 37.5mm Sieve:	0%	Rammer Type:	2.5kg
As Received Moisture Content (%):	20	Grading Zone:	3
Optimum Moisture Content (%):	**19**	Preparation Procedure:	3.2.5.1
Maximum Dry Density (Mg/m^3):	**1.68**	Sieved On:	20mm



Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.4

Particle Density not requested therefore Air Void Lines have not been plotted.

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Deviations/Comments:

Sig [redacted]

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TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-31 Report Date: 17/07/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: 6F2
Supplier/Source*: Client / Site Won

Test Number: 1

Location*: U4.1
Test Level: US Found
Plate Size mm: 600

Date Tested: 16/07/2025

Weather Conditions: Overcast

Tested By: Josh Mousdell

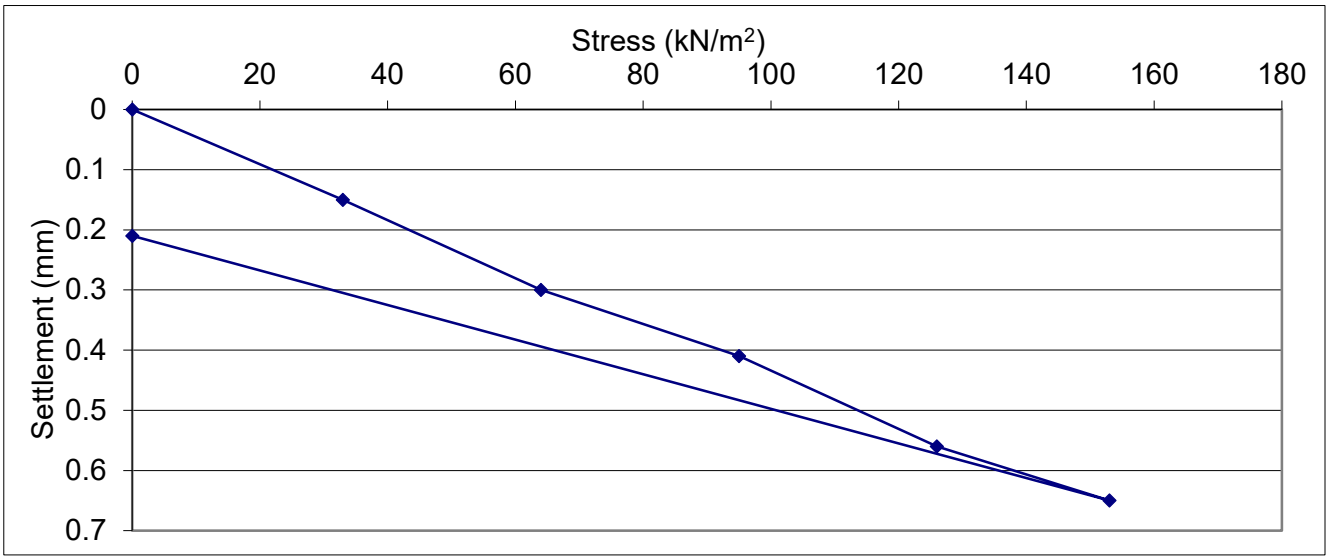
Kentledge Type: Excavator

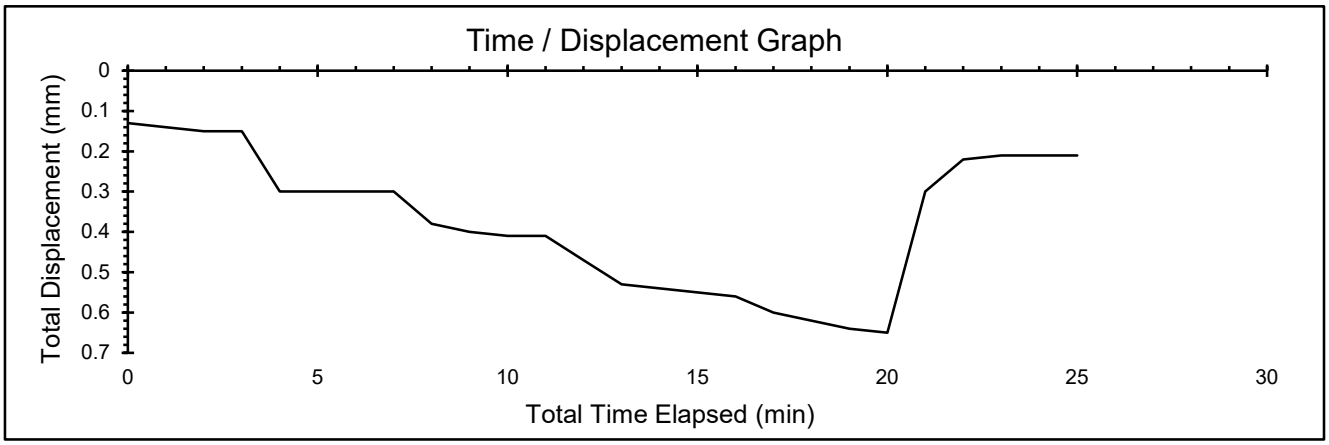
Comments:

Test Report No.: TD25-C-04-A-31

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.15
64	0.30
95	0.41
126	0.56
153	0.65
0	0.21

Working Stress kN/m²	153	**Settlement mm**	0.65





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Results relate only to the location tested.

* Information supplied client.

Signe [redacted]	A. Hayes (Site Section Manager)

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TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-32 Report Date: 17/07/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: 6F2
Supplier/Source*: Client / Site Won

Test Number: 2

Location*: U4.2
Test Level: US Found
Plate Size mm: 600

Date Tested: 16/07/2025

Weather Conditions: Sunny

Tested By: Josh Mousdell

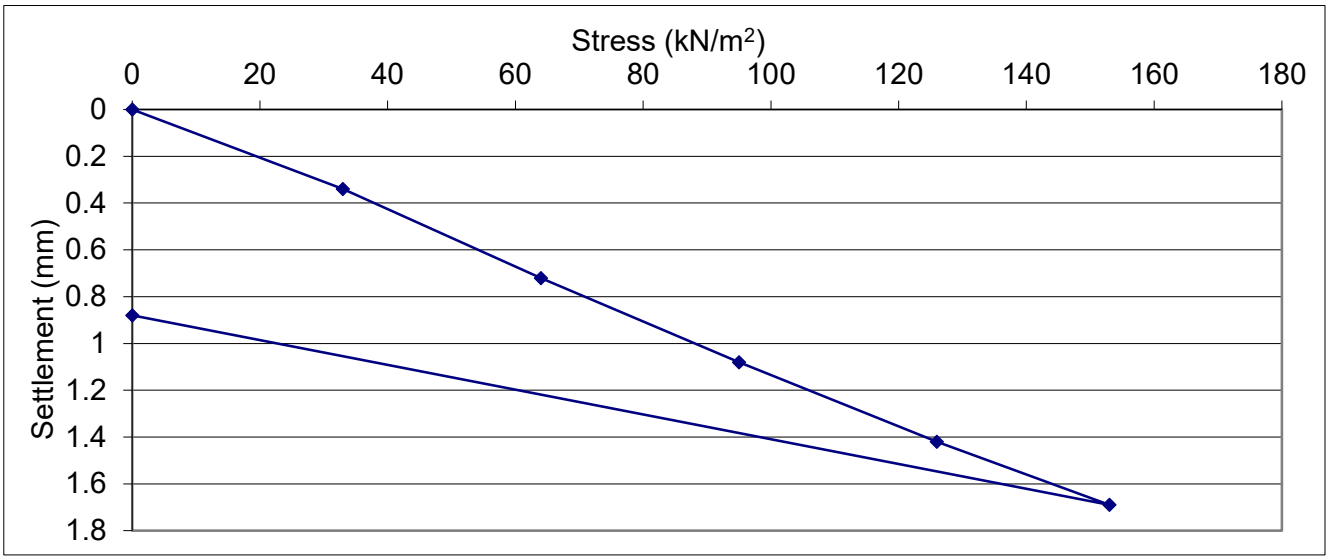
Kentledge Type: Excavator

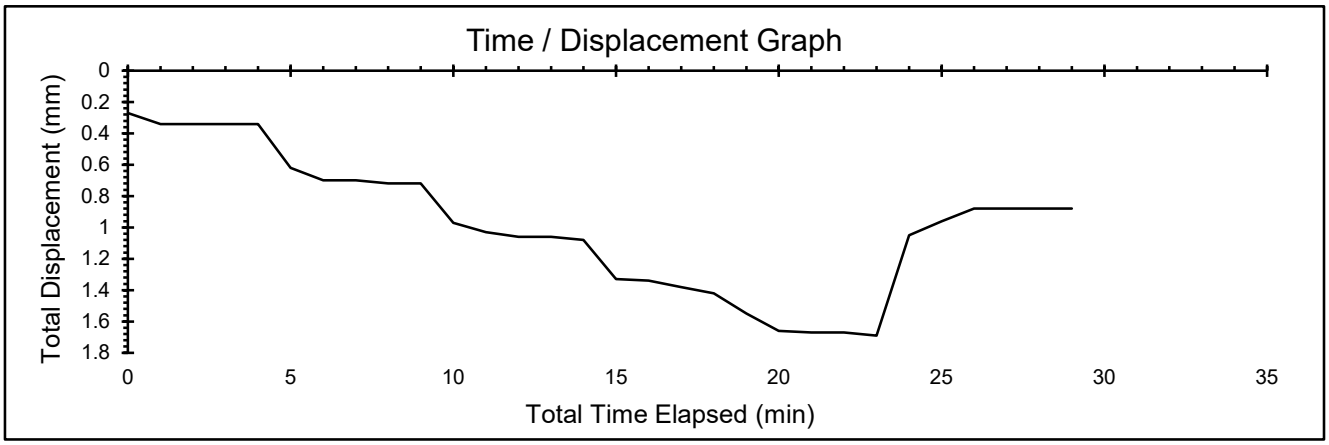
Comments:

Test Report No.: TD25-C-04-A-32

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.34
64	0.72
95	1.08
126	1.42
153	1.69
0	0.88

Working Stress kN/m²	153	**Settlement mm**	1.69





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Results relate only to the location tested.

* Information supplied by client.

Signed [redacted]	A. Hayes (Site Section Manager)

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TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-33 Report Date: 17/07/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: 6F2
Supplier/Source*: Client / Site Won

Test Number: 3

Location*: U3.1
Test Level: US Found
Plate Size mm: 600

Date Tested: 16/07/2025

Weather Conditions: Overcast

Tested By: Josh Mousdell

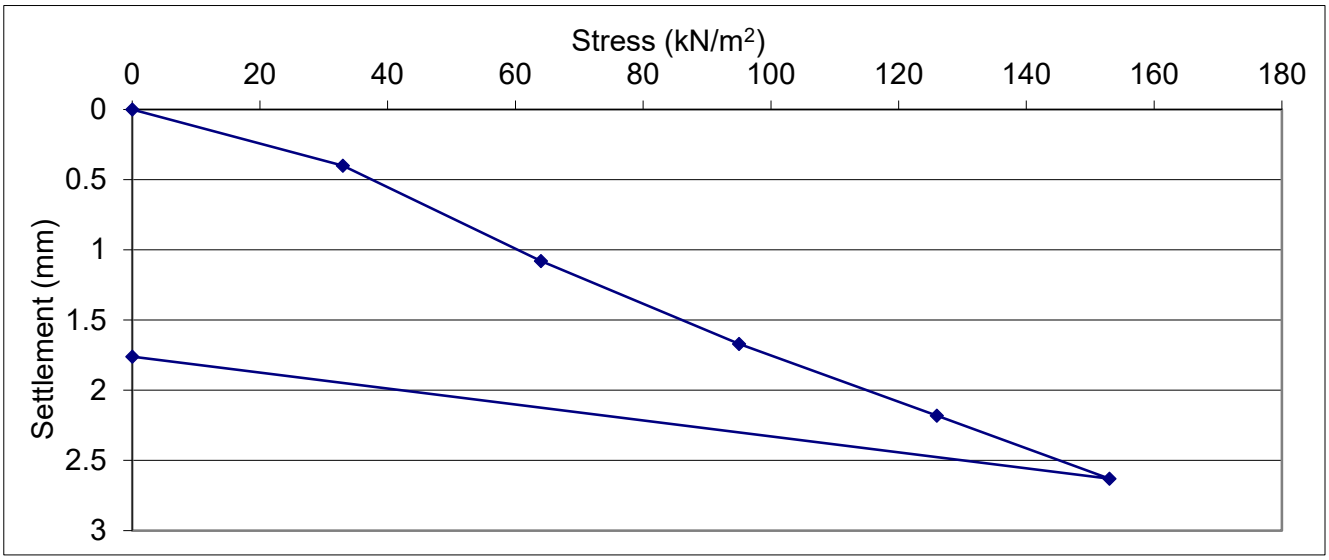
Kentledge Type: Excavator

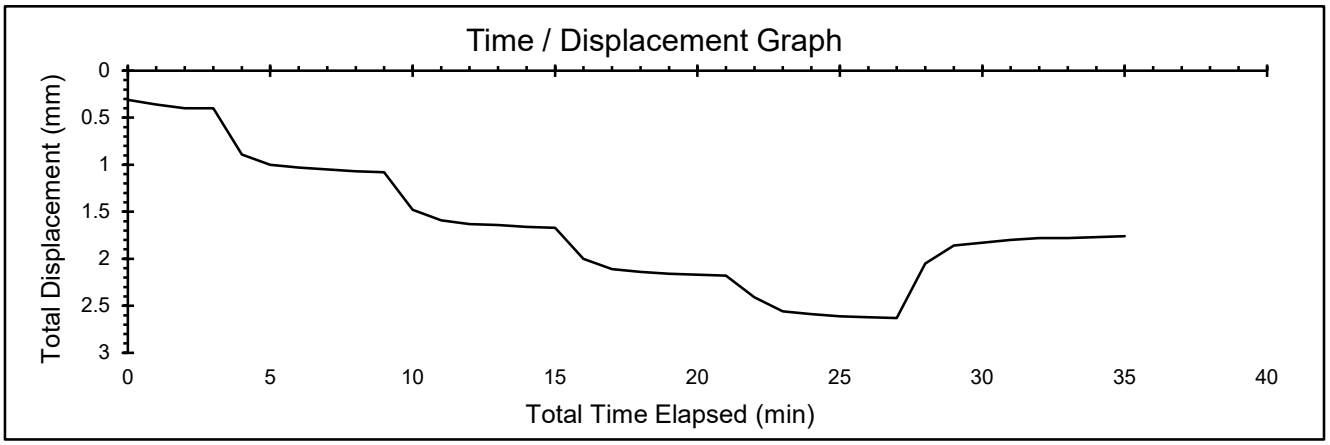
Comments:

Test Report No.: TD25-C-04-A-33

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.40
64	1.08
95	1.67
126	2.18
153	2.63
0	1.76

Working Stress kN/m²	153	**Settlement mm**	2.63





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* Information supplied by client.

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TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-34 Report Date: 17/07/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: 6F2
Supplier/Source*: Client / Site Won

Test Number: 4

Location*: U3.2
Test Level: US Found
Plate Size mm: 600

Date Tested: 16/07/2025

Weather Conditions: Sunny

Tested By: Josh Mousdell

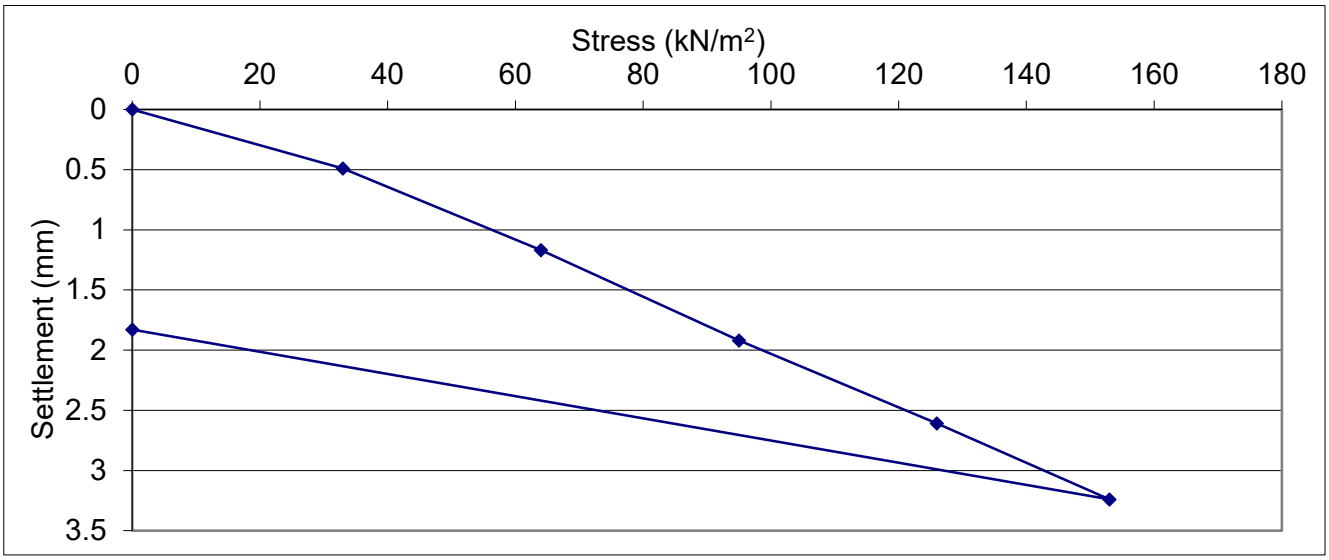
Kentledge Type: Excavator

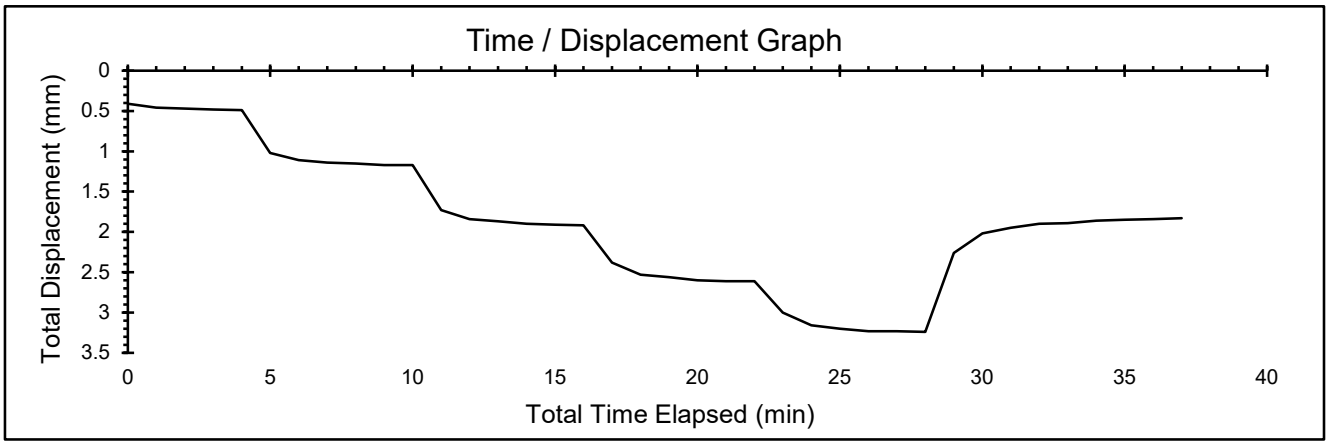
Comments:

Test Report No.: TD25-C-04-A-34

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.49
64	1.17
95	1.92
126	2.61
153	3.24
0	1.83

Working Stress kN/m²	153	**Settlement mm**	3.24





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* Information supplied by client.

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TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-35 Report Date: 17/07/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: 6F2
Supplier/Source*: Client / Site Won

Test Number: 5

Location*: U3.3
Test Level: US Found
Plate Size mm: 600

Date Tested: 16/07/2025

Weather Conditions: Sunny

Tested By: Josh Mousdell

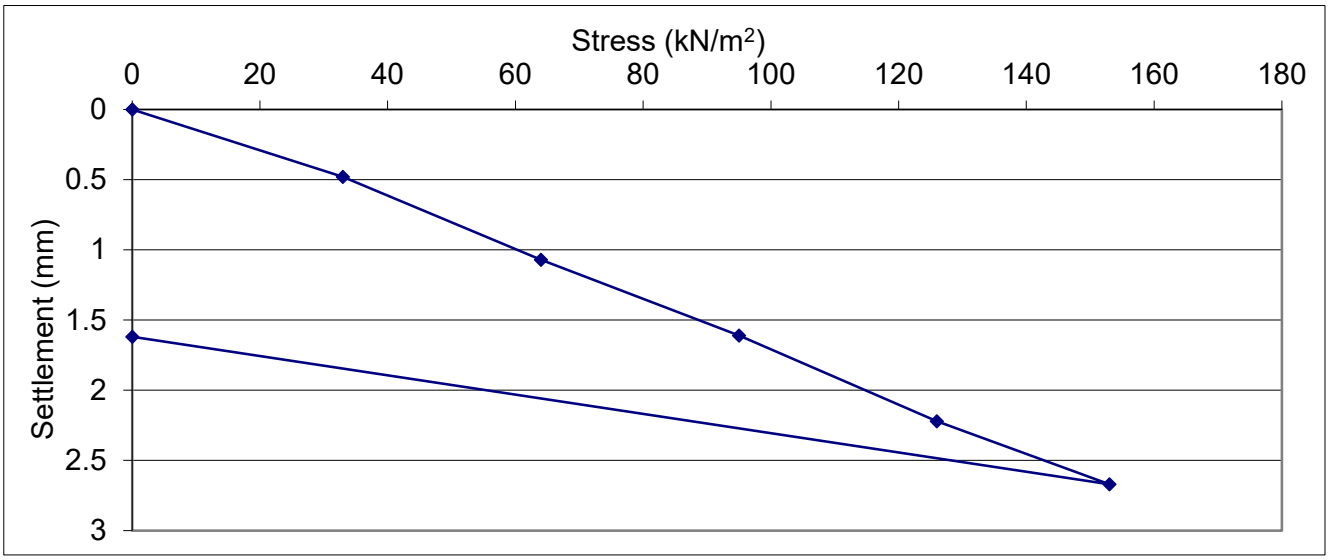
Kentledge Type: Excavator

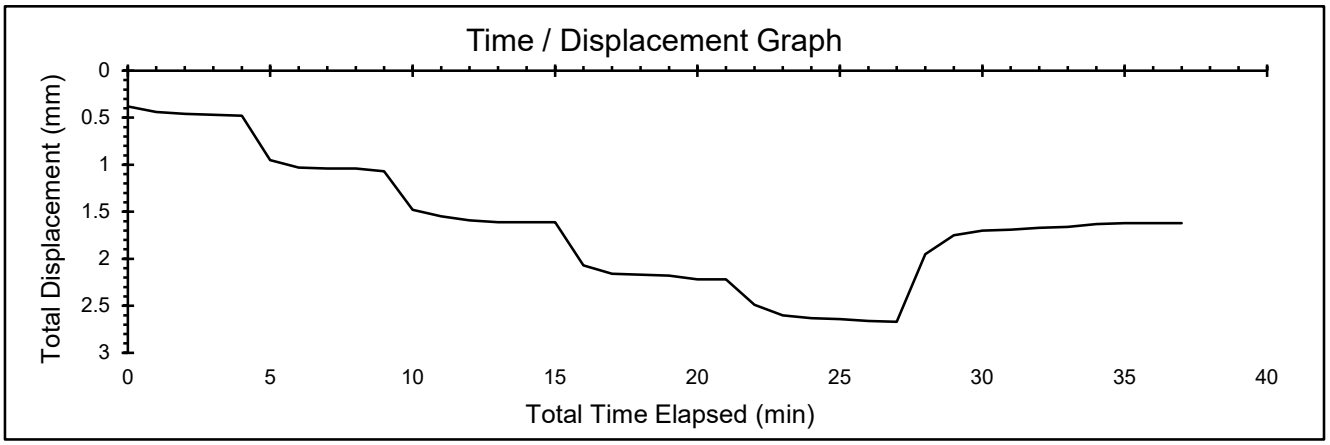
Comments:

Test Report No.: TD25-C-04-A-35

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.48
64	1.07
95	1.61
126	2.22
153	2.67
0	1.62

Working Stress kN/m²	153	**Settlement mm**	2.67





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TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-49 Report Date: 13/08/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: Type 1 Subbase
Supplier/Source*: Imported

Test Number: Incremental 1

Location*: TS 4.1
Test Level: Subbase
Plate Size mm: 600

Date Tested: 12/08/2025

Weather Conditions: Overcast, Hot

Tested By: Josh Mousdell

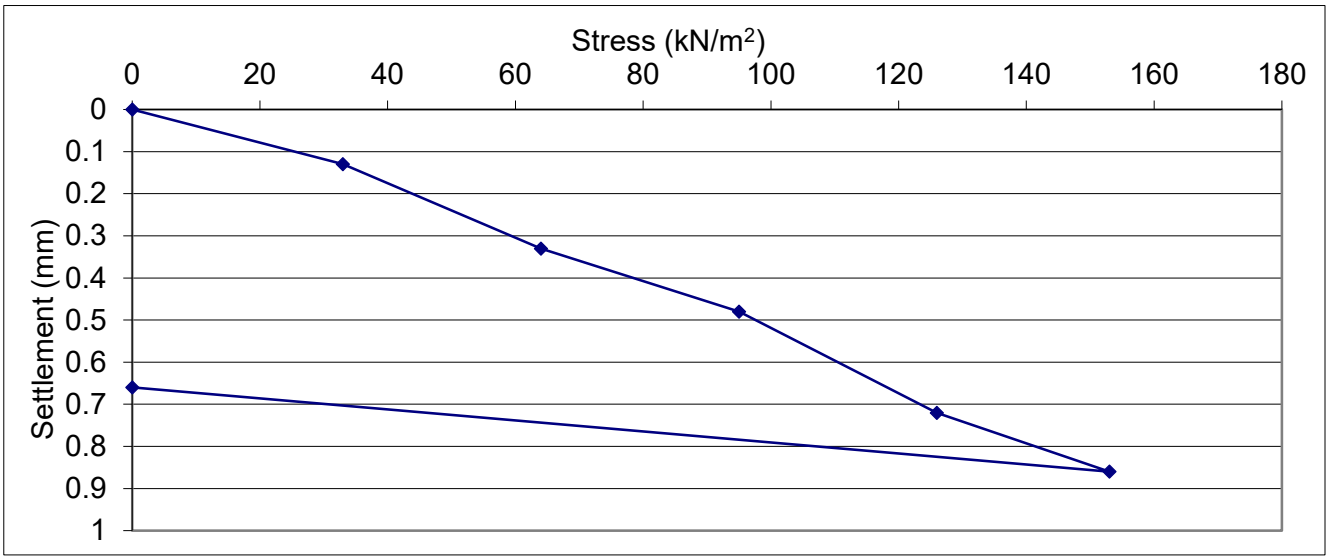
Kentledge Type: Roller

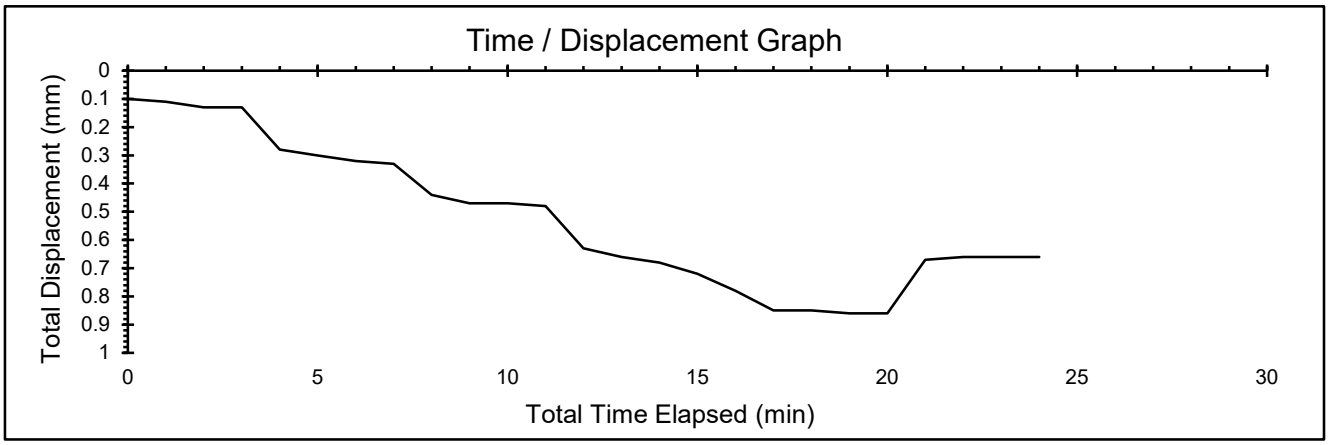
Comments:

Test Report No.: TD25-C-04-A-49

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.13
64	0.33
95	0.48
126	0.72
153	0.86
0	0.66

Working Stress kN/m²	153	**Settlement mm**	0.86





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* Information supplied by client.

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TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-50 Report Date: 13/08/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: Type 1 Subbase
Supplier/Source*: Imported

Test Number: Incremental 2

Location*: TS 4.2
Test Level: Subbase
Plate Size mm: 600

Date Tested: 12/08/2025

Weather Conditions: Overcast, Hot, Showers

Tested By: Josh Mousdell

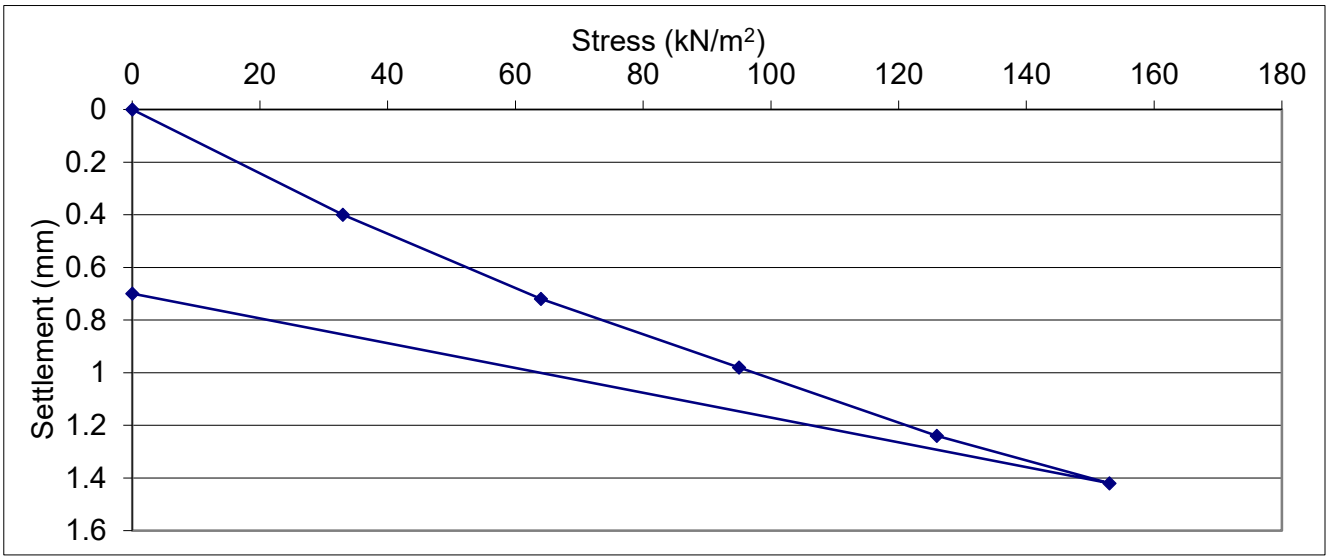
Kentledge Type: Roller

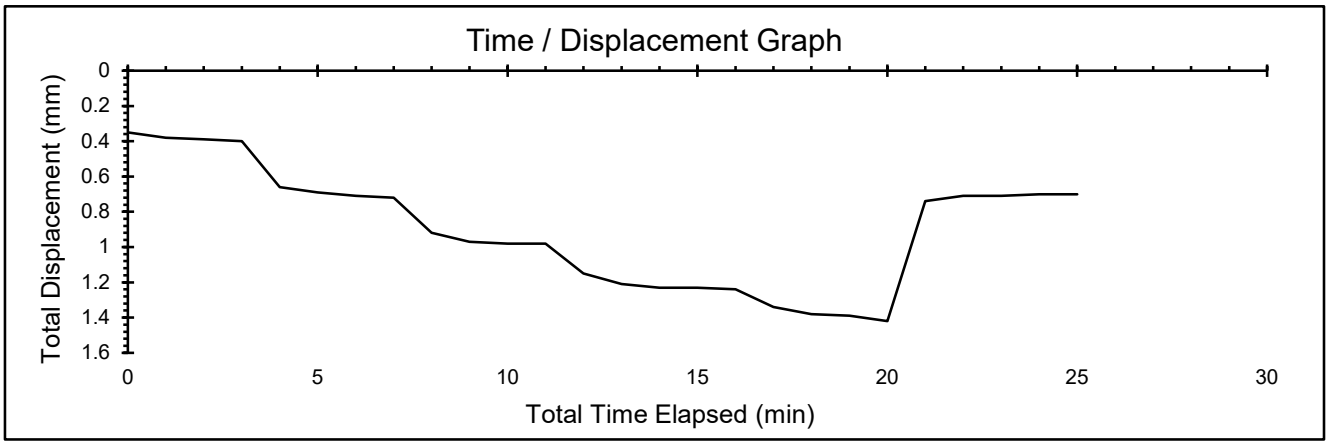
Comments:

Test Report No.: TD25-C-04-A-50

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.40
64	0.72
95	0.98
126	1.24
153	1.42
0	0.70

Working Stress kN/m²	153	**Settlement mm**	1.42





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Results relate only to the location tested.

* Information supplied by client.

Signed [redacted]	P. Gabbott (Operations Manager)

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TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-51 Report Date: 13/08/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: Type 1 Subbase
Supplier/Source*: Imported

Test Number: Incremental 3

Location*: TS 4.3
Test Level: Subbase
Plate Size mm: 600

Date Tested: 12/08/2025

Weather Conditions: Dry, Overcast, Hot

Tested By: Josh Mousdell

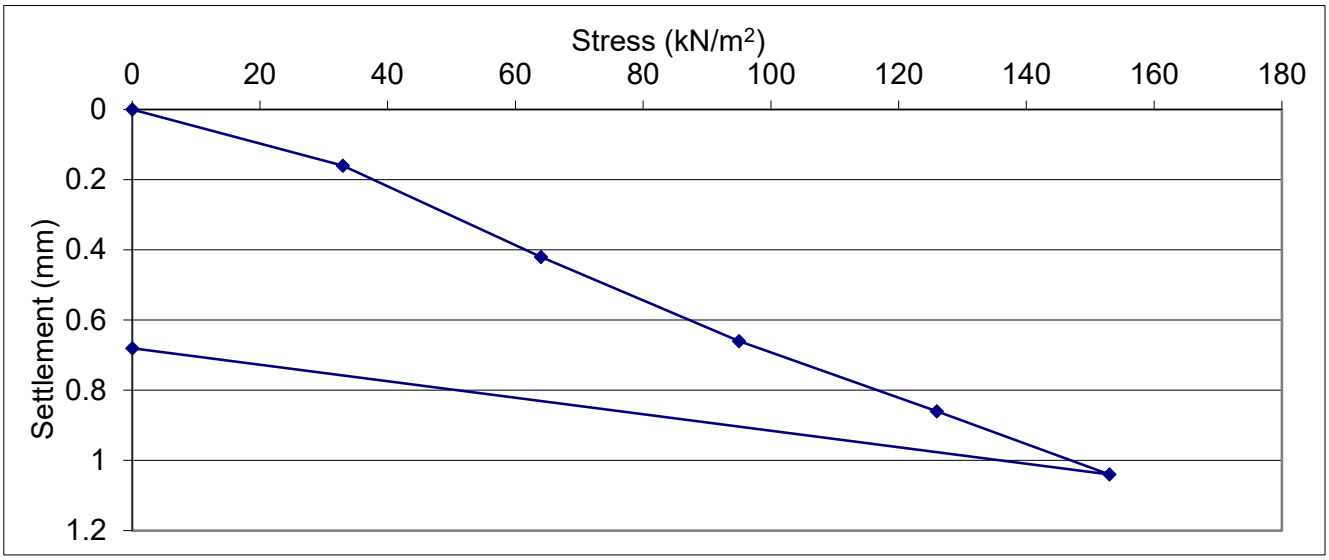
Kentledge Type: Roller

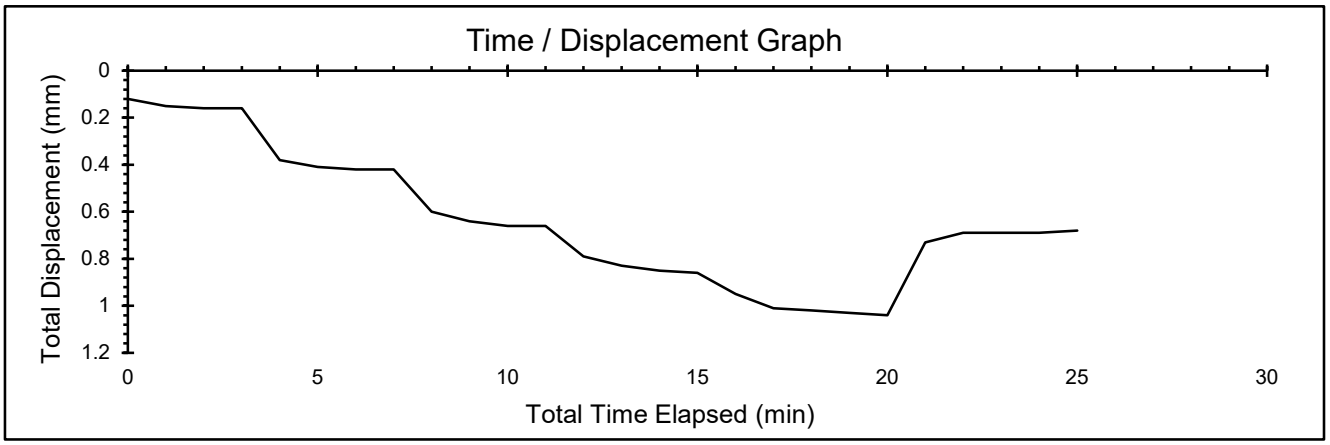
Comments:

Test Report No.: TD25-C-04-A-51

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.16
64	0.42
95	0.66
126	0.86
153	1.04
0	0.68

Working Stress kN/m²	153	**Settlement mm**	1.04





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* Information supplied by client.

Signed [redacted]

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TEST REPORT

Plate Loading Test

Test Report No.:	TD25-C-04-A-52	Report Date:	13/08/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: Type 1 Subbase
Supplier/Source*: Imported

Test Number: Incremental 4

Location*: TS 4.4
Test Level: Subbase
Plate Size mm: 600

Date Tested: 12/08/2025

Weather Conditions: Overcast, Hot

Tested By: Josh Mousdell

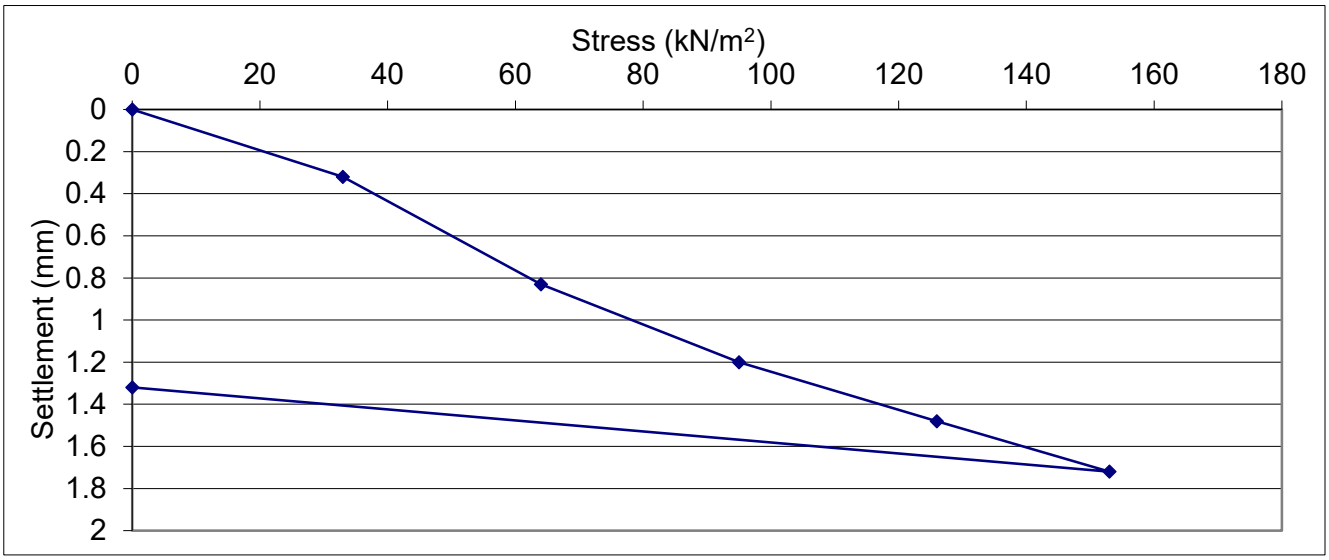
Kentledge Type: Roller

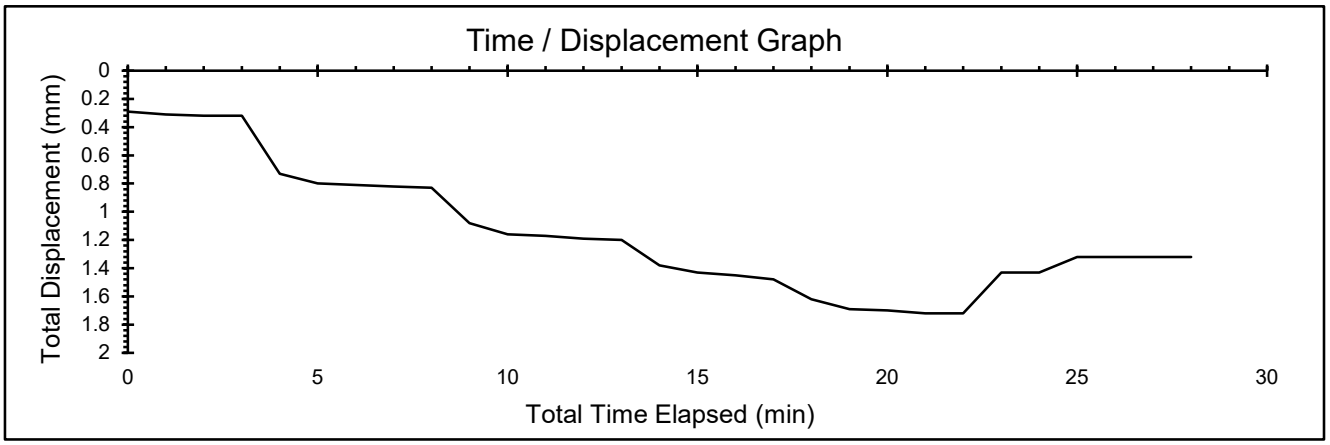
Comments:

Test Report No.: TD25-C-04-A-52

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.32
64	0.83
95	1.20
126	1.48
153	1.72
0	1.32

Working Stress kN/m²	153	**Settlement mm**	1.72





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Results relate only to the location tested.

* Information supplied by client.

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TEST REPORT

Plate Loading Test

Test Report No.:	TD25-C-04-A-53	Report Date:	26/08/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: Made Ground
Supplier/Source*: Client / Site Won

Test Number: PLT 1

Location*: US 2.1
Test Level: Formation
Plate Size mm: 600

Date Tested: 22/08/2025

Weather Conditions: Overcast

Tested By: Antonio Vieira

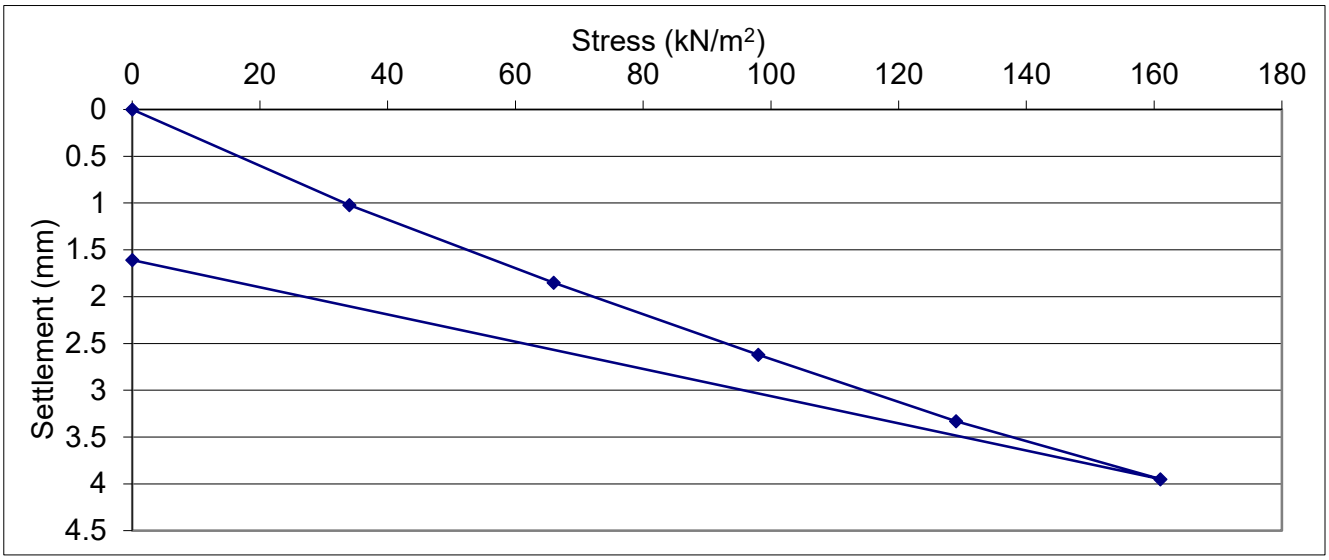
Kentledge Type: Roller

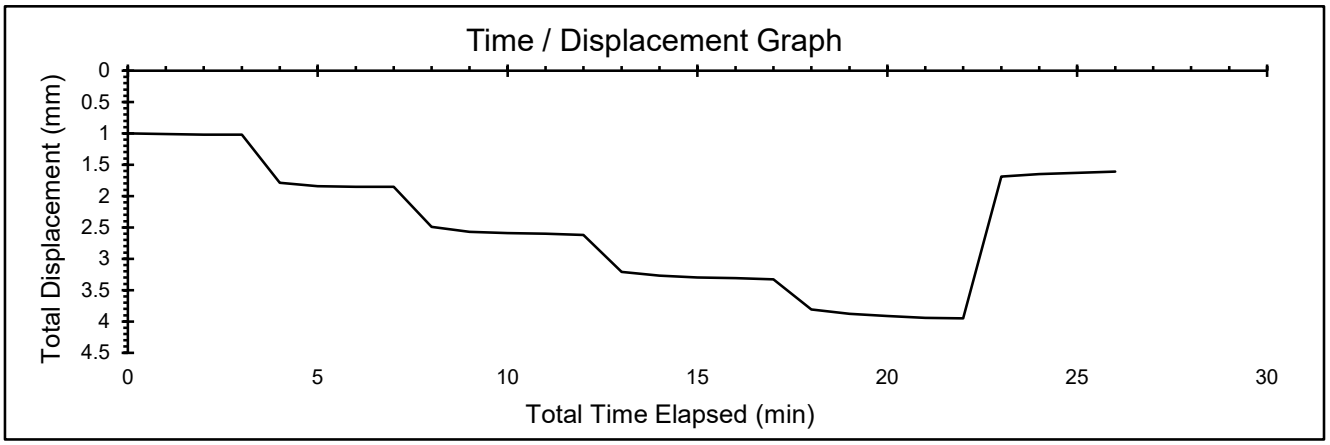
Comments:

Test Report No.: TD25-C-04-A-53

Stress (kN/m^2)	Settlement (mm)
0	0.00
34	1.02
66	1.85
98	2.62
129	3.33
161	3.95
0	1.61

Working Stress kN/m²	161	**Settlement mm**	3.95





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Results relate only to the location tested.

* Information supplied by client.

Signed [redacted]

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TEST REPORT

Plate Loading Test

Test Report No.:	TD25-C-04-A-54	Report Date:	26/08/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: Made Ground
Supplier/Source*: Client / Site Won

Test Number: PLT 2

Location*: US 2.2
Test Level: Formation
Plate Size mm: 600

Date Tested: 22/08/2025

Weather Conditions: Overcast

Tested By: Antonio Vieira

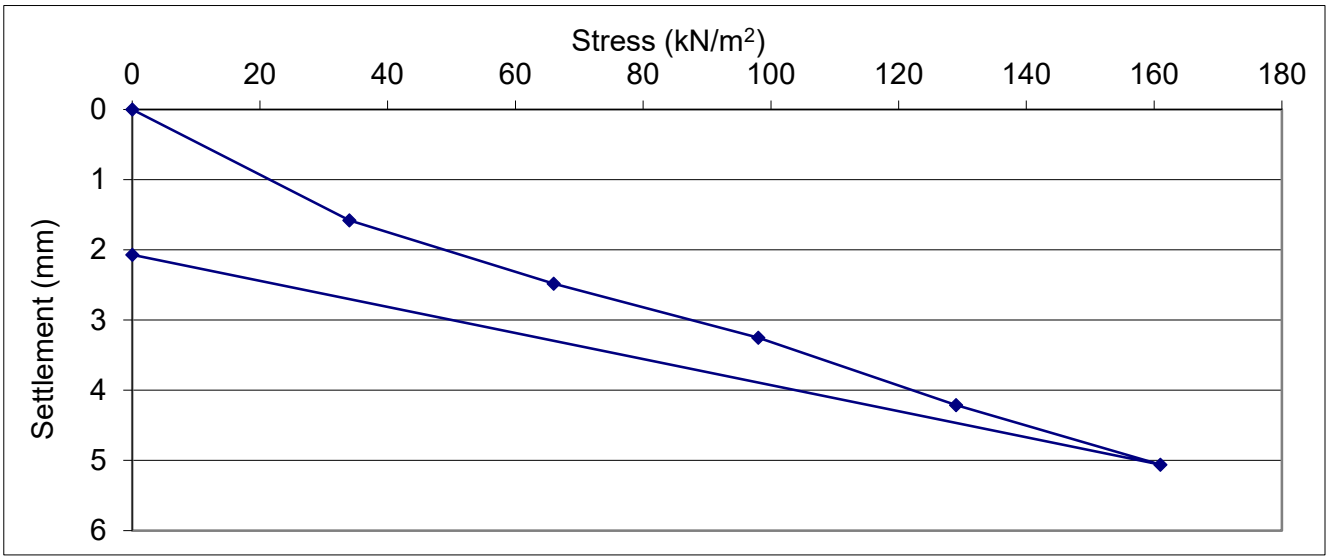
Kentledge Type: Roller

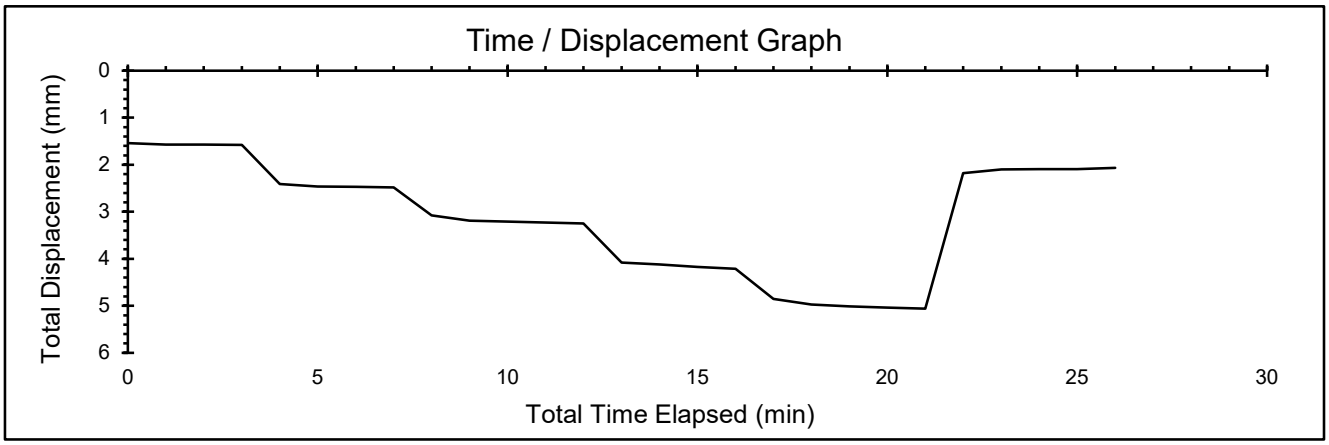
Comments:

Test Report No.: TD25-C-04-A-54

Stress (kN/m^2)	Settlement (mm)
0	0.00
34	1.58
66	2.48
98	3.25
129	4.21
161	5.06
0	2.07

Working Stress kN/m²	161	**Settlement mm**	5.06





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* Information supplied by client.

Signed [redacted]

P. Gabbott (Operations Manager)

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TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-77 Report Date: 09/10/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: 6F2
Supplier/Source*: Client / Site Won

Test Number: Incremental 1

Location*: Unit 2 - Position 1
Test Level: Top of Capping
Plate Size mm: 600

Date Tested: 08/10/2025

Weather Conditions: Dry, Overcast

Tested By: Josh Mousdell

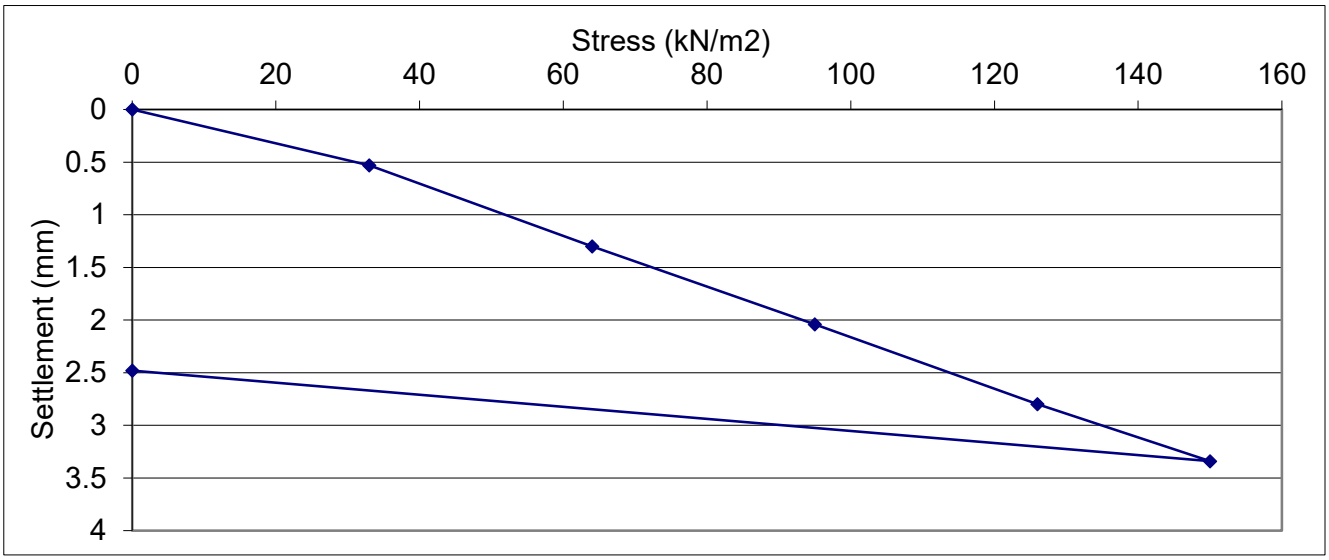
Kentledge Type: Roller

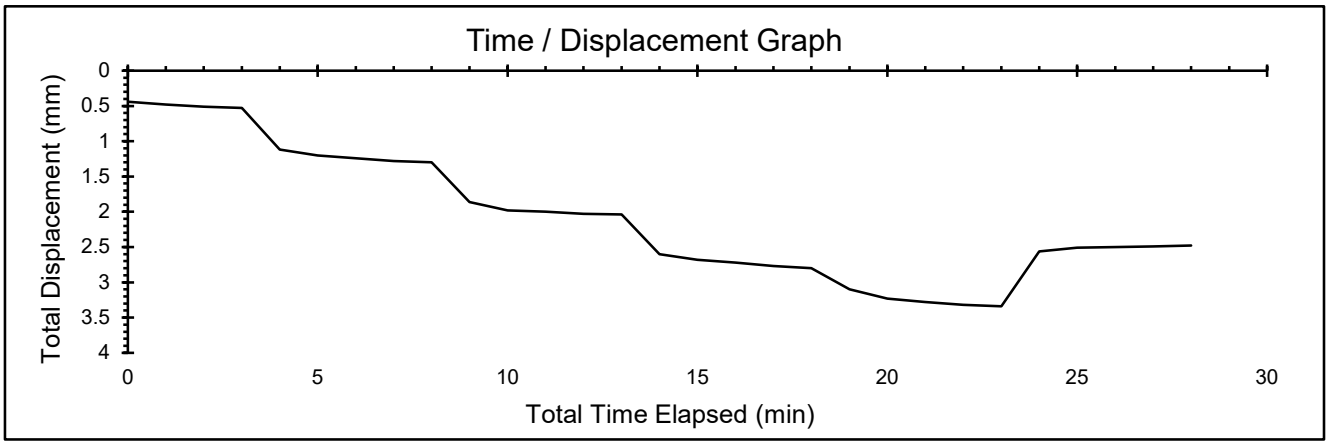
Comments:

Test Report No.: TD25-C-04-A-77

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.53
64	1.30
95	2.04
126	2.80
150	3.34
0	2.48

Working Stress kN/m²	150	**Settlement mm**	3.34





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* Information supplied by client.

Signed [redacted] D. Ames (Managing Director)

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TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-78 Report Date: 09/10/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: 6F2
Supplier/Source*: Client / Site Won

Test Number: Incremental 2

Location*: Unit 2 Position 2
Test Level: Top of Capping
Plate Size mm: 600

Date Tested: 08/10/2025

Weather Conditions: Dry, Overcast

Tested By: Josh Mousdell

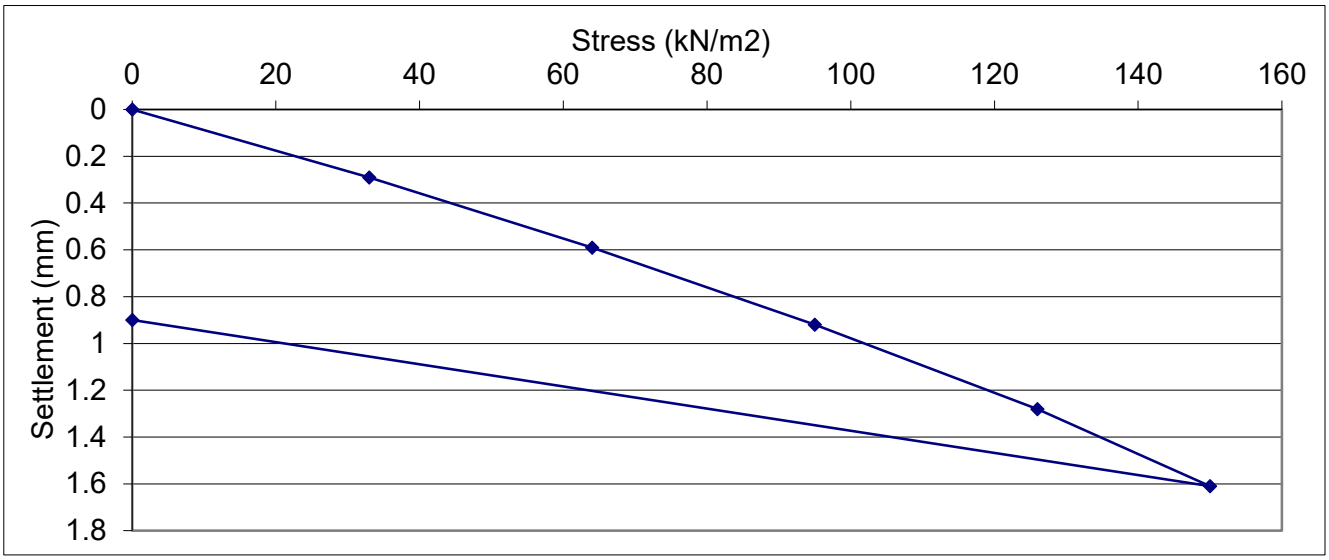
Kentledge Type: Roller

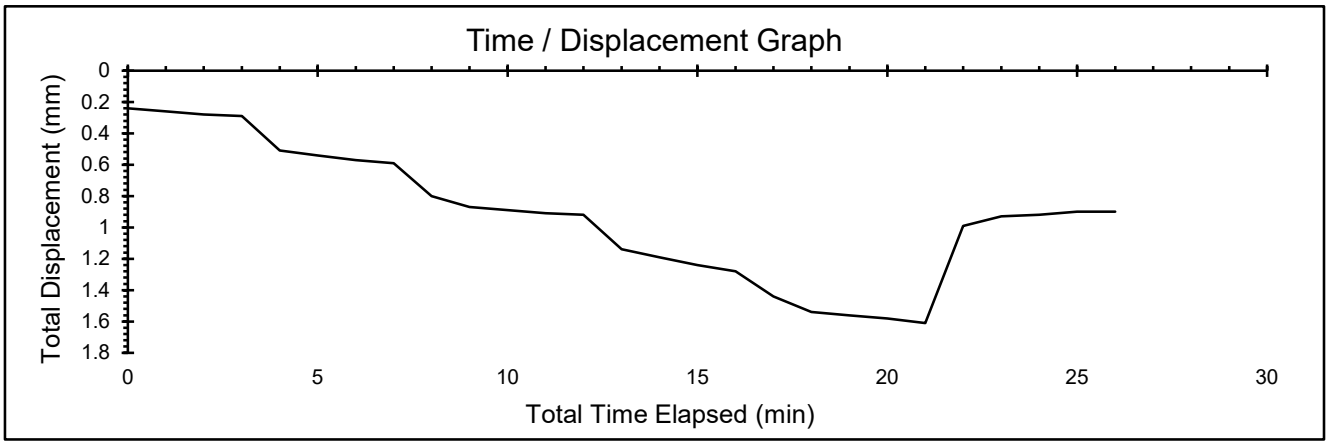
Comments:

Test Report No.: TD25-C-04-A-78

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.29
64	0.59
95	0.92
126	1.28
150	1.61
0	0.90

Working Stress kN/m²	150	**Settlement mm**	1.61





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Results relate only to the location tested.

* Information supplied by client.

Signed [redacted]	D. Ames (Managing Director)

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8011

TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-79 Report Date: 09/10/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: 6F2
Supplier/Source*: Client / Site Won

Test Number: Incremental 3

Location*: Unit 1 - Position 1
Test Level: Top of Capping
Plate Size mm: 600

Date Tested: 08/10/2025

Weather Conditions: Dry, Overcast

Tested By: Josh Mousdell

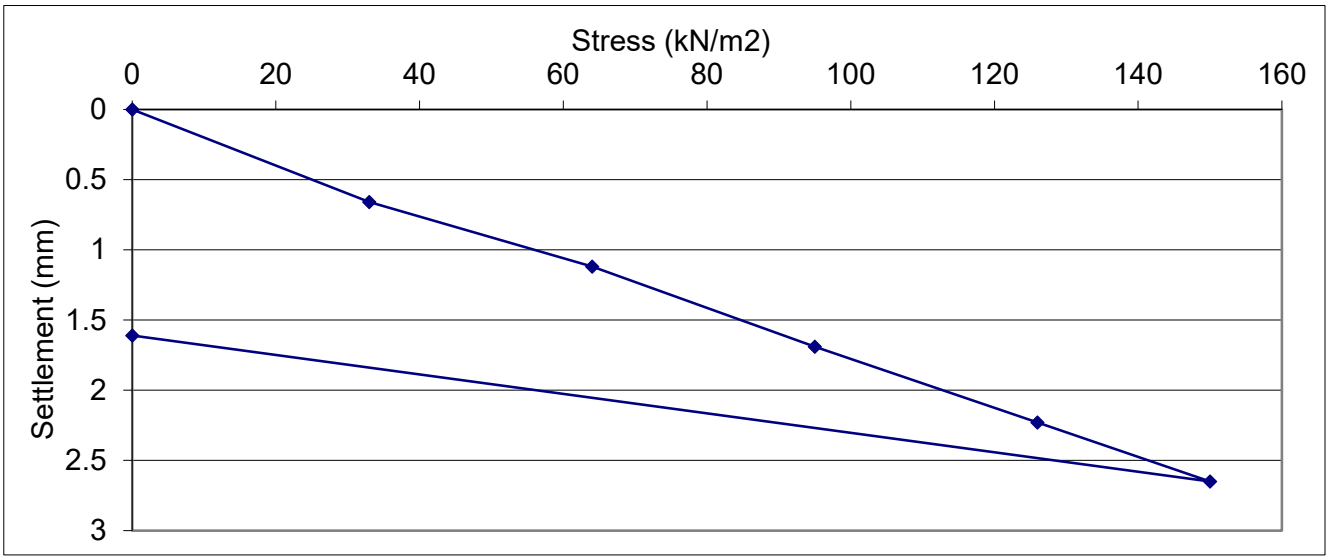
Kentledge Type: Roller

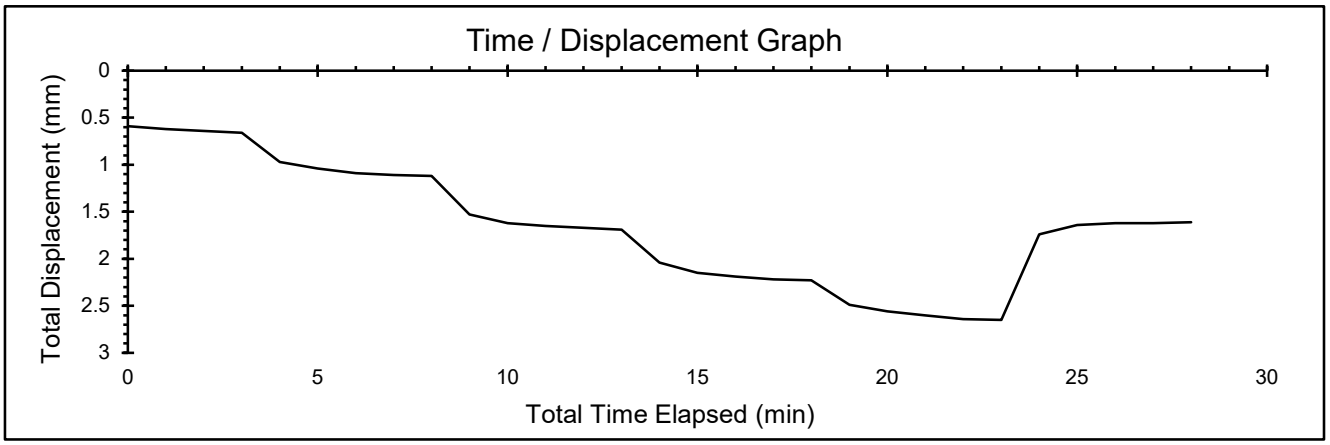
Comments:

Test Report No.: TD25-C-04-A-79

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.66
64	1.12
95	1.69
126	2.23
150	2.65
0	1.61

Working Stress kN/m²	150	**Settlement mm**	2.65





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Results relate only to the location tested.

* Information supplied by client.

Sign [redacted]	D. Ames (Managing Director)

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TEST REPORT

Determination of Liquid and Plastic Limits

Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Site: City 4, Manchester
Supplier/Source*: Client / Site Won
Test Method: 1 Point

Report No: TD25-C-04-A-70
Date Reported: 17/09/2025
Sampled By: Client
Date Sampled*: 08/08/2025
Date Received: 11/09/2025
Date Tested: 15/09/2025

Site Reference*	Lab Reference	Sample Location*	Sample Description	Sample Type	Sample Prep.	% Ret. 425µm sieve	Moisture Content %	Liquid Limit %	Plastic Limit %	Plasticity Index %
GT/F/1/3	25/1921	N/A	Brown Clay	B	N	2	19	45	18	27

Sample Type: **D** = Disturbed, **B** = Bulk, **U** = Undisturbed *Sample Prep:* **N** = tested in natural condition, **A** = air dried before test, **W** = subject to wet sieving before test *Result:* **NP** = Non-plastic

Testing was carried out in accordance with BS 1377-2:1990 Methods 3.0, 4.4 and 5.3

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signed: [redacted]

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TEST REPORT

Determination of Liquid and Plastic Limits

Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Site: City 4, Manchester
Supplier/Source*: Client / Site Won
Test Method: 1 Point

Report No: TD25-C-04-A-71
Date Reported: 17/09/2025
Sampled By: Client
Date Sampled*: 11/08/2025
Date Received: 12/09/2025
Date Tested: 15/09/2025

Site Reference*	Lab Reference	Sample Location*	Sample Description	Sample Type	Sample Prep.	% Ret. 425µm sieve	Moisture Content %	Liquid Limit %	Plastic Limit %	Plasticity Index %
GT/IF/1/1	25/1924	N/A	Brown Clay	B	N	2	19	47	19	28

Sample Type: **D** = Disturbed, **B** = Bulk, **U** = Undisturbed *Sample Prep:* **N** = tested in natural condition, **A** = air dried before test, **W** = subject to wet sieving before test *Result:* **NP** = Non-plastic

Testing was carried out in accordance with BS 1377-2:1990 Methods 3.0, 4.4 and 5.3

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signed: [redacted]

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TEST REPORT

Insitu Density Testing, Nuclear Method to BS 1377-9:1990 Compliance Method

Report No.:	TD25-C-04-A-47	Date Reported:	25/07/2025
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4		
Material Description:	Recycled 6F2		
Date of Test:	18/07/2025	Source*:	Site Won
Gauge Model:	Troxler 3430	Gauge Serial No.:	28809
General Location*:	See Below	Probe Depth:	275 mm
Particle Density:	N/A	Weather Conditions:	Overcast

Test No.	Test Position*	Bulk Density Mg/m^3	Moisture Content %	Dry Density Mg/m^3	Max Dry Density Mg/m^3	Relative Comp. %	Air Voids %
NDG 1	Location U 3.8	1.86	8.0	1.72	1.87	92	N/R
NDG 2	Location U 3.7	1.83	8.9	1.68	1.87	90	N/R
NDG 3	Location U 3.6	1.82	9.3	1.66	1.87	89	N/R
NDG 4	Location U 3.4	1.90	8.3	1.75	1.87	94	N/R
NDG 5	Location U 3.2	1.87	9.4	1.71	1.87	91	N/R

Comments / Deviations:

Relative Compaction compared to Max Dry Density
Moisture Content corrected in accordance with BS 1377-9:1990
Bulk Density corrected in accordance with BS 1377:9:1990
Air Voids Calculated in accordance with BS1377-1:2016
This report shall not be reproduced except in full without approval of the laboratory
Results relate only to the sample tested
* Information supplied by client

Signed: [redacted]

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TEST REPORT

Insitu Density Testing, Nuclear Method to BS 1377-9:1990 Compliance Method

Report No.:	TD25-C-04-A-48	Date Reported:	25/07/2025
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4		
Material Description:	2C		
Date of Test:	18/07/2025	Source*:	Site Won
Gauge Model:	Troxler 3430	Gauge Serial No.:	28809
General Location*:	See Below	Probe Depth:	275 mm
Particle Density:	N/A	Weather Conditions:	Overcast

Test No.	Test Position*	Bulk Density Mg/m^3	Moisture Content %	Dry Density Mg/m^3	Max Dry Density Mg/m^3	Relative Comp. %	Air Voids %
NDG 6	Location U 4.8	1.96	11.9	1.75	1.84	95	N/R
NDG 7	Location U 4.7	1.98	10.7	1.79	1.84	97	N/R
NDG 8	Location U 4.6	1.94	10.9	1.75	1.84	95	N/R
NDG 9	Location U 4.5	1.96	11.9	1.75	1.84	95	N/R

Comments / Deviations:

Relative Compaction compared to Max Dry Density
Moisture Content corrected in accordance with BS 1377-9:1990
Bulk Density corrected in accordance with BS 1377:9:1990
Air Voids Calculated in accordance with BS1377-1:2016
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Results relate only to the sample tested
* Information supplied by client

Sign [redacted]

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TEST REPORT

Insitu Density Testing, Nuclear Method to BS 1377-9:1990 Compliance Method

Report No.:	TD25-C-04-A-55	Date Reported:	26/08/2025
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester		
Material Description:	Made Ground		
Date of Test:	22/08/2025	Source*:	Site Won
Gauge Model:	Troxler 3430	Gauge Serial No.:	26747
General Location*:	See Below	Probe Depth:	275 mm
Particle Density:	N/A	Weather Conditions:	Sunny

Test No.	Test Position*	Bulk Density Mg/m^3	Moisture Content %	Dry Density Mg/m^3	Max Dry Density Mg/m^3	Relative Comp. %	Air Voids %
NDG 1	ND 2.1	1.95	10.4	1.77	1.84	96	N/R
NDG 2	ND 2.2	1.92	10.3	1.74	1.84	95	N/R
NDG 3	ND 2.3	1.89	8.6	1.74	1.84	95	N/R
NDG 4	ND CP1	1.89	8.6	1.74	1.84	95	N/R
NDG 5	ND CP2	1.87	7.7	1.73	1.84	94	N/R
NDG 6	ND CP3	1.90	7.4	1.77	1.84	96	N/R
NDG 7	ND CP4	1.88	17.6	1.60	1.84	87	N/R
NDG 8	ND CP5	1.92	13.0	1.70	1.84	92	N/R

Comments / Deviations:

Relative Compaction compared to Max Dry Density
Moisture Content corrected in accordance with BS 1377-9:1990
Bulk Density corrected in accordance with BS 1377:9:1990
Air Voids Calculated in accordance with BS1377-1:2016
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Results relate only to the sample tested
* Information supplied by client

Signed: [redacted] P. Gabbott (Operations Manager)

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CONSTRUCTION MATERIALS TESTING
A PHENNA GROUP COMPANY

Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 15 January 2025
Test Report Ref: TR 1092519

Order No: 25/003

Contract: 22975-SMAN, City Works

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Organic Content of Soil in accordance with **BS 1377: Part 3: 2018 + A1: 2021 clause 4.**

SAMPLE DETAILS:

Certificate of sampling received:	**No**
Laboratory Ref. No:	**S128755**
Client Ref. No:	**619201**
Date and Time of Sampling:	**Unknown**
Date of Receipt at Lab:	**07/01/2025**
Date of Start of Test:	**15/01/2025**
Sampling Location:	**Unknown**
Name of Source:	**Unknown**
Method of Sampling:	**Unknown**
Sampled By:	**Client (Test results apply to sample as received)**
Tested By:	**SP**
Material Description:	**6F5**
Target Specification:	**N/A**

RESULTS:

Percentage of soil passing 2mm sieve (%) =	**31**
Presence of Chlorides:	**No**
Presence of Sulfides:	**No**
Mean Organic Content (%) =	**0.9**
*95% Confidence limit**	*0.81% - 0.99%*

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ults relate only to the items tested.

Comments

95% confidence limit calculation:- Test Result ± expanded uncertainty

Expanded uncertainty = combined uncertainty multiplied by a factor (k) of 2.

nd approved by:

[redacted]

or

CS Team

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Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 28 January 2025
Test Report Ref: TR 1092520
Order No: 25/003

Contract: 22975-SMAN, City Works

LABORATORY TEST REPORT

TEST REQUIREMENTS: Determination of shear strength by direct shear (large shearbox) in accordance with **BS 1377 : Part 7 : 1990 Clause 5**

SAMPLE DETAILS:

Certificate of sampling received:	**No**
Laboratory Ref. No:	**S128755**
Client Ref. No:	**619201**
Date and Time of Sampling:	**Unknown**
Date of Receipt at Lab:	**07/01/2025**
Date of Start of Test:	**28/01/2025**
Sampling Location:	**Unknown**
Name of Source:	**Unknown**
Method of Sampling:	**Unknown**
Sampled By:	**Client (Test results apply to sample as received)**
Tested By:	**JM**
Material Description:	**6F5**
Target Specification:	**N/A**

Sample preparation:

Percentage of material > 20mm Removed before test =	67.9%
Percentage of material > 14mm and <20mm in sample prior to preparing =	10.9%
Percentage of material > 14mm and <20mm Removed before test =	0.0%
Maximum Percentage of material >14mm and <20mm Permitted in test sample :	*15.0%*

SUMMARY OF TEST RESULTS:	
Angle of Shearing Resistance (°) ϕ'	47.5
Cohesion Intercept (kPa) c'	9.6

RESULTS:
See attached

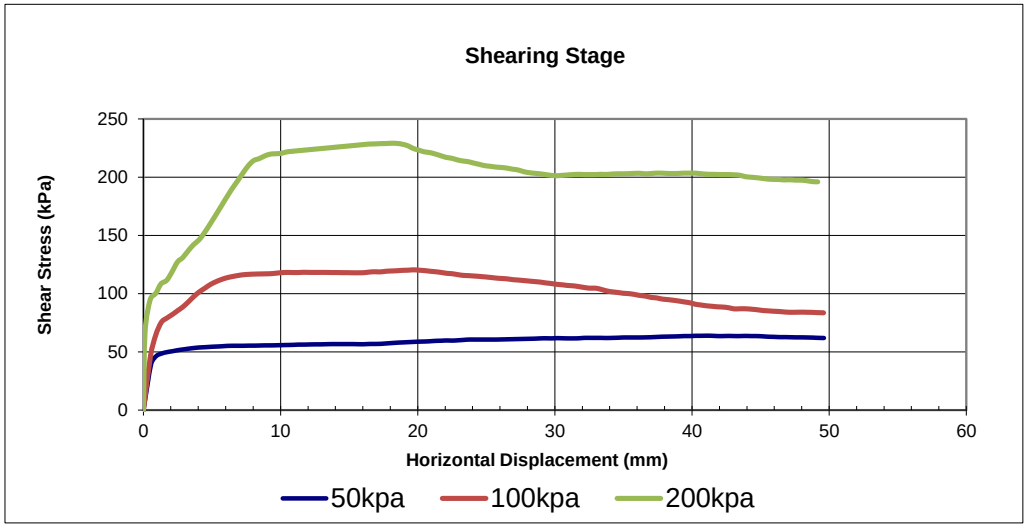
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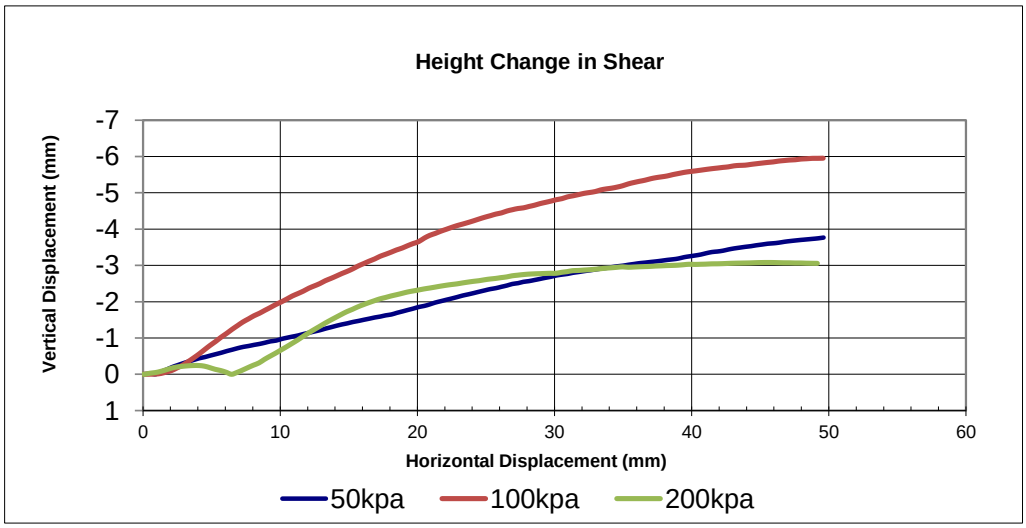
These results relate only to the items tested.

Comments:
None

[redacted] ed and approved by:

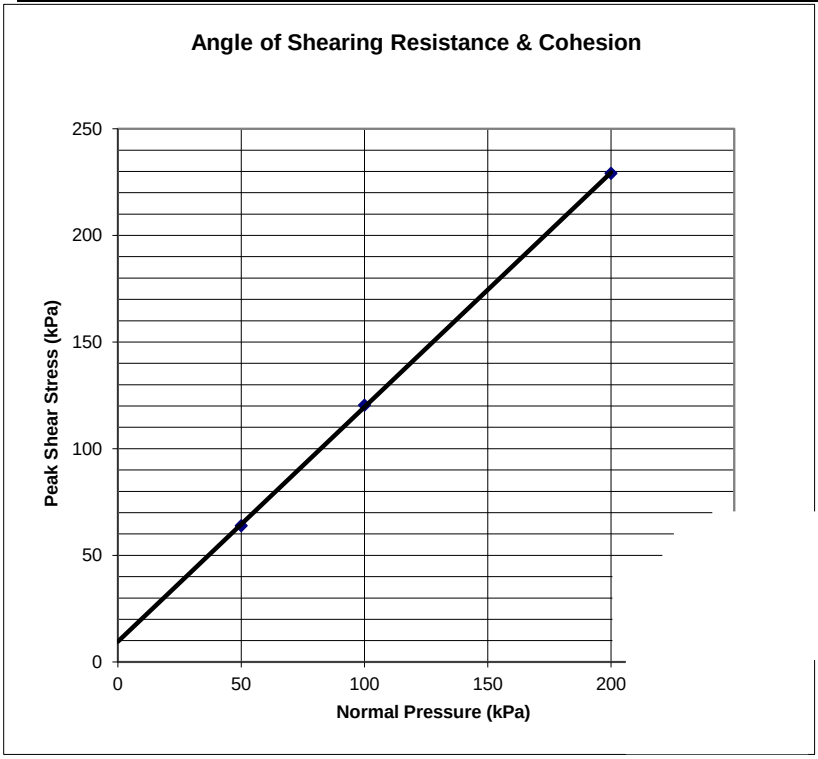
Manager


Shearing Stage
Shear Stress (kPa)
250
200
150
100
50
0
0
10
20
30
40
50
60
Horizontal Displacement (mm)
50kpa
100kpa
200kpa


Height Change in Shear
Vertical Displacement (mm)
-7
-6
-5
-4
-3
-2
-1
0
1
0
10
20
30
40
50
60
Horizontal Displacement (mm)
50kpa
100kpa
200kpa

Sample Condition: Dry
Particle Density: 2.70(Mg/m3) Assumed
Sample Preparation: Remoulded (Vibrating Hammer)

Initial Condition			
	Stage		
	1	2	3
Normal Pressure (kPa)	50	100	200
Height (mm)	151.0	151.0	151.0
Width (mm)	300.0	300.0	300.0
Bulk Density (Mg/m^3)	1.83	1.83	1.83
Dry Density (Mg/m^3)	1.63	1.63	1.63
Moisture Content (%)	12	12	12
Voids Ratio	0.653	0.653	0.653
Degree of Saturation	49.6	49.6	49.6
Shearing Stage			
Rate of Displacement (mm/min)	2	2	2
Peak Shear Stress (kPa)	63.9	120.4	229.1
Displacement at Peak Stress (mm)	41.1	19.7	18.1
Final Condition			
Bulk Density (Mg/m^3)	1.80	1.78	1.81
Dry Density (Mg/m^3)	1.59	1.57	1.60
Moisture Content (%)	13	13	13
Angle of Shearing Resistance (°) ϕ'	47.5		
Cohesion Intercept (kPa) c'	9.6		



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CONSTRUCTION MATERIALS TESTING
A PHENNA GROUP COMPANY

Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
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SK16 4QX

Date: 14 January 2025
Test Report Ref: TR 1092521

Order No: 25/003

Contract: 22975-SMAN, City Works

LABORATORY TEST REPORT

TEST REQUIREMENTS:

To determine the Electrical Resistivity of an Undisturbed or disturbed sample of Soil in accordance with **BS 1377: Part 3: 2018 + A1: 2021 clause 13.4 : Open Container Method**

SAMPLE DETAILS:

Certificate of sampling received:	**No**
Laboratory Ref. No:	**S128755**
Client Ref. No:	**619201**
Date and Time of Sampling:	**Unknown**
Date of Receipt at Lab:	**07/01/2025**
Date of Start of Test:	**13/01/2025**
Sampling Location:	**Unknown**
Name of Source:	**Unknown**
Method of Sampling:	**Unknown**
Sampled By:	**Client (Test results apply to sample as received)**
Tested By:	**OR**
Material Description:	**6F5**
Target Specification:	**N/A**

RESULTS:

Room Test Temperature:				**22 °C**
Soil Test Temperature	Initial:	**14 °C**	After 1 hour:	**17 °C**
Resistivity (Initially - Corrected to 20°C Necessary):				**8.4 Ω m (2 Significant Figures)**
Resistivity (Saturated After 1 hour - Corrected to 20°C Necessary):				**8.3 Ω m (2 Significant Figures)**
Bulk Density:				**1.370 Mg/m³**
Moisture Content: Before test:		**15.6%**	After test:	**36.3 %**
Dimensions of Sample:				**100mm x 100mm x 197mm**
Material >10mm Removed:				**71 %**
Volume of Water to Saturate Sample:				**610 ml**
Distance between electrodes:				**.00 mm**
Compaction method:				**amped**

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hese results relate only to the items tested.

Comments:
None

cu and approved by:

[redacted]

Izabella Kantor
CS Team

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A PHENNA GROUP COMPANY

Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 17 January 2025
Test Report Ref: TR 1092522

Order No: 25/003

Contract: 22975-SMAN, City Works

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Water Soluble Sulfate of Natural and Manufactured Aggregate in accordance with **BS EN 1744-1 : 2009 + A1 : 2012 : Clause 10.1**

SAMPLE DETAILS:

Certificate of sampling received:	**No**
Laboratory Ref. No:	**S128755**
Client Ref. No:	**619201**
Date and Time of Sampling:	**Unknown**
Date of Receipt at Lab:	**07/01/2025**
Date of Start of Test:	**17/01/2025**
Sampling Location:	**Unknown**
Name of Source:	**Unknown**
Method of Sampling:	**Unknown**
Sampled By:	**Client (Test results apply to sample as received)**
Tested By:	**PJ**
Material Description:	**6F5**
Target Specification:	**N/A**

RESULTS:

	Result	
Water Soluble Sulfate Content (SO3) (%) =	**0.18**	**(nearest 0.01%)**
95% Confidence limit*	*0.125% - 0.235%*	
Water Soluble Sulfate Content (SO4) (%) =	**0.22**	**(nearest 0.01%)**
95% Confidence limit*	*0.153% - 0.287%*	
Water Soluble Sulfate Content (SO4) (%)** =	**0.2179**	**(nearest 0.0001%)**
Water Soluble Sulfate Content (SO4) (mg/l)** =	**1090**	**(nearest 1 mg/l)**
Water Soluble Sulfate Content (SO4) (ppm)** =	**1091**	**(nearest 1 ppm)**

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results relate only to the items tested.

Comments:

*95% confidence limit calculation:- Test Result ± expanded uncertainty.
Expanded uncertainty = combined uncertainty multiplied by a factor (k) of 2
**Departure from specified procedure: additional reporting as SO_4 to 4 decimal places, mg/l and ppm.

R [redacted] nd approved by:

[redacted]or

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CONSTRUCTION MATERIALS TESTING
A PHENNA GROUP COMPANY

Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 16 January 2025
Test Report Ref: TR 1092524

Order No: 25/003

Contract: 22975-SMAN, City Works

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Acid Soluble Sulfate of an Aggregate Sample in accordance with **BS EN 1744-1 : 2009 + A1 : 2012 Clause 12**

SAMPLE DETAILS:

Certificate of sampling received:	**No**
Laboratory Ref. No:	**S128755**
Client Ref. No:	**619201**
Date and Time of Sampling:	**Unknown**
Date of Receipt at Lab:	**07/01/2025**
Date of Start of Test:	**16/01/2025**
Sampling Location:	**Unknown**
Name of Source:	**Unknown**
Method of Sampling:	**Unknown**
Sampled By:	**Client (Test results apply to sample as received)**
Tested By:	**KL**
Material Description:	**6F5**
Target Specification:	**N/A**

RESULTS:

Acid Soluble Sulfate Content (SO_3) (%) = **11.3 (nearest 0.1%)**

*95% Confidence limit** = *9.64% - 12.96%*

Acid Soluble Sulfate Content (SO_4) (%) = **13.6 (nearest 0.1%)**

*95% Confidence limit** = *11.6% - 15.6%*

Acid Soluble Sulfate Content (SO_3) (%)** = 11.3434 **(nearest 0.0001%)**

Acid Soluble Sulfate Content (SO_4) (%)** = 13.6121 **(nearest 0.0001%)**

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These results relate only to the items tested.

Comments

*95% confidence limit calculation:- Test Result ± expanded uncertainty.
Expanded uncertainty = combined uncertainty multiplied by a factor (k) of 2.
**Departure from specified procedure: additional reporting as SO_3 and SO_4 to 4 deci
places.

[redacted] ked and approved by:

Kantor

n

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CONSTRUCTION MATERIALS TESTING
A PHENNA GROUP COMPANY

Murray Rix (Northern) Limited,
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Date: 17 January 2025
Test Report Ref: TR 1092525

Order No: 25/003

Contract: 22975-SMAN, City Works

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Water Soluble Chloride salt content in an aggregate sample in accordance with
BS EN 1744-1 : 2009 + A1 : 2012 : Clause 7 (Volhard method)

SAMPLE DETAILS:

Certificate of sampling received:	**No**
Laboratory Ref. No:	**S128755**
Client Ref. No:	**619201**
Date and Time of Sampling:	**Unknown**
Date of Receipt at Lab:	**07/01/2025**
Date of Start of Test:	**17/01/2025**
Sampling Location:	**Unknown**
Name of Source:	**Unknown**
Method of Sampling:	**Unknown**
Sampled By:	**Client (Test results apply to sample as received)**
Tested By:	**CS**
Material Description:	**6F5**
Target Specification:	**N/A**

RESULTS:

Chloride Content of aggregate (C) (%) = 0.004 (nearest 0.001)
*95% Confidence limit** *0.0032% - 0.0048%*

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results relate only to the items tested.

Comments
95% confidence limit calculation:- Test Result ± expanded uncertainty
Expanded uncertainty = combined uncertainty multiplied by a factor (
2.

[redacted] d and approved by:

[redacted]ntor

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client P.P. O'Connor Ltd

Address 61 Mosley Road
Trafford Park
Manchester
M17 1GJ

Contract 22975-SMAN,
City Works

Job Number MRN 25057/1
Date of Issue 17 January 2025

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

TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

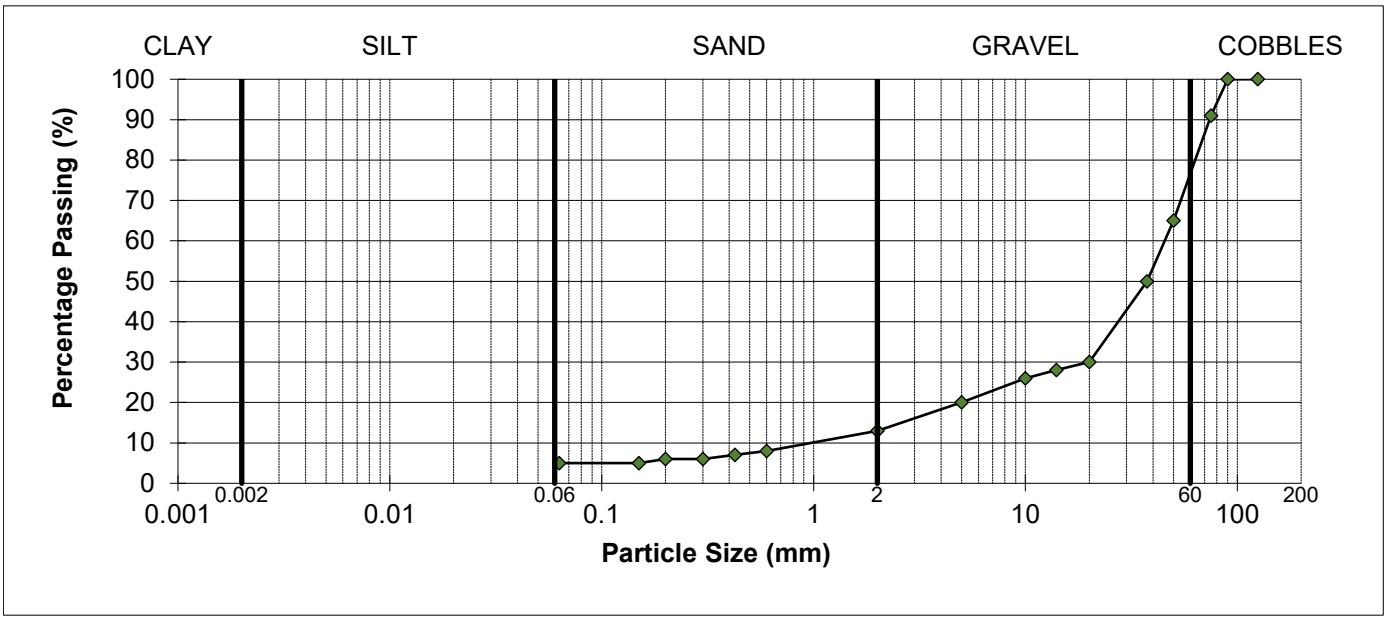
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	P.P. O'Connor Ltd
SITE	22975-SMAN, City Works
JOB NUMBER	MRN 25057/1

SAMPLE LABEL	6F2 - Sample 1	DATE SAMPLED	19-Dec-24
LAB SAMPLE No	619201	DATE RECEIVED	20-Dec-24
DATE TESTED	03-Jan-25	SAMPLED BY	Client

MATERIAL	Recycled 6F2
ADVISED SOURCE	As client & site above

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	5	20	10-45
90	100	80-100	2	13	
75	91	65-100	0.6	8	0-25
50	65		0.425	7	
37.5	50	45-100	0.3	6	
20	30		0.2	6	
14	28		0.15	5	
10	26	15-60	0.063	5	0-12



REMARKS

Sample complies with the advised grading specification for a 6F2 material (SHW, Feb. 2017)

As received water content = 9.7%

SIGNED [redacted]

NAME [redacted]ies BA (Hons) DATE 17-Jan-25

(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 VIBRATING HAMMER
BS 1377-2:2022 Cl.11
PARTICLE DENSITY METHOD BS 1377-2:2022 Cl.9.2

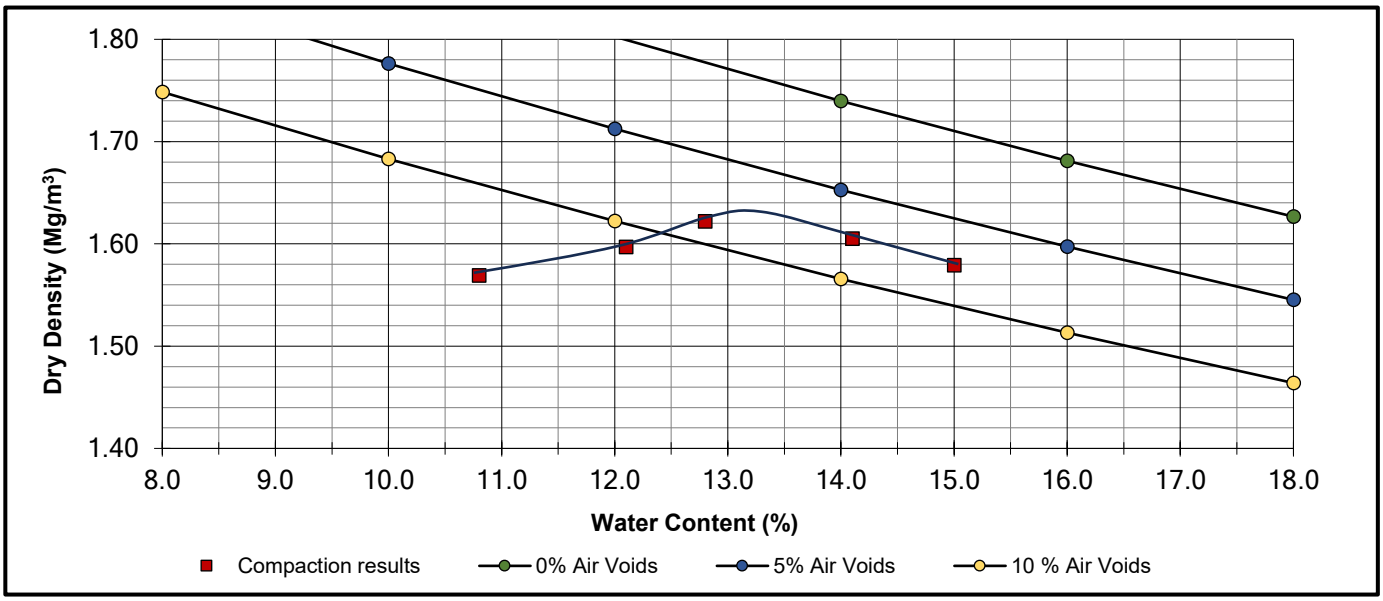
CLIENT	P.P. O'Connor Ltd
SITE	22975-SMAN, City Works
JOB NUMBER	MRN 25057/1

SAMPLE LABEL	6F2 - Sample 1	DATE SAMPLED	19-Dec-24
SAMPLE NUMBER	619201	DATE RECEIVED	20-Dec-24
DATE TESTED	03-Jan-25	SAMPLED BY	Client

MATERIAL	Recycled 6F2
ADVISED SOURCE	As client & site above
PRE TREATMENT	Air Dried / Separate Batches

RETAINED 37.5mm	50 %	GRADING ZONE	Zone X
RETAINED 20mm	70 %	PARTICLE DENSITY	2.30 Mg/m3 (Assumed)

POINT NUMBER	WATER CONTENT (%)	DRY DENSITY (Mg/m^3)
1	10.8	1.569
2	12.1	1.597
3	12.8	1.622
4	14.1	1.605
5	15.0	1.579



OPTIMUM WATER CONTENT	**13**	(%)
MAXIMUM DRY DENSITY	**1.63**	(Mg/m^3)

REMARKS

NAME O.P. Davies BA (Hons) SIGNED [redacted] DATE 17-Jan-25
(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

TEST CERTIFICATE

DETERMINATION OF RESISTANCE TO FRAGMENTATION BY THE LOS ANGELES TEST METHOD

BS EN 1097-2:2020

CLIENT	P.P. O'Connor Ltd
SITE	22975-SMAN, City Works
JOB NUMBER	MRN 25057/1

SAMPLE DETAILS

Laboratory sample number	:	619201
Site mark	:	6F2 - Sample 1
Advised source	:	As client & site above
Material	:	Recycled 6F2
Certificate of sampling received	:	No
Date and time of sampling	:	19-Dec-24
Date received at Laboratory	:	20-Dec-24
Date of start of test	:	05-Jan-25
Sampling Location	:	Site
Method of sampling	:	BS EN 932-1 : 1997
Sampled by	:	Client
Size Fraction	:	35% passing 14mm retained 12.5mm 65% passing 12.5mm retained 10mm
Mass of dry sample tested	:	5000g
Target specification	:	<50

RESULT

Los Angeles Coefficient	:	**36**

Comment

SIGNED

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

DATE 17-Jan-25

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

TEST CERTIFICATE

LIQUID LIMIT BS EN ISO 17892-12:2018+A2:2022 Clause 5.3 (30° FALL CONE) 1 POINT METHOD
PLASTIC LIMIT BS EN ISO 17892-12:2018+A2:2022 Clause 5.5
WATER CONTENT METHOD BS EN ISO 17892-1:2014+A1:2022

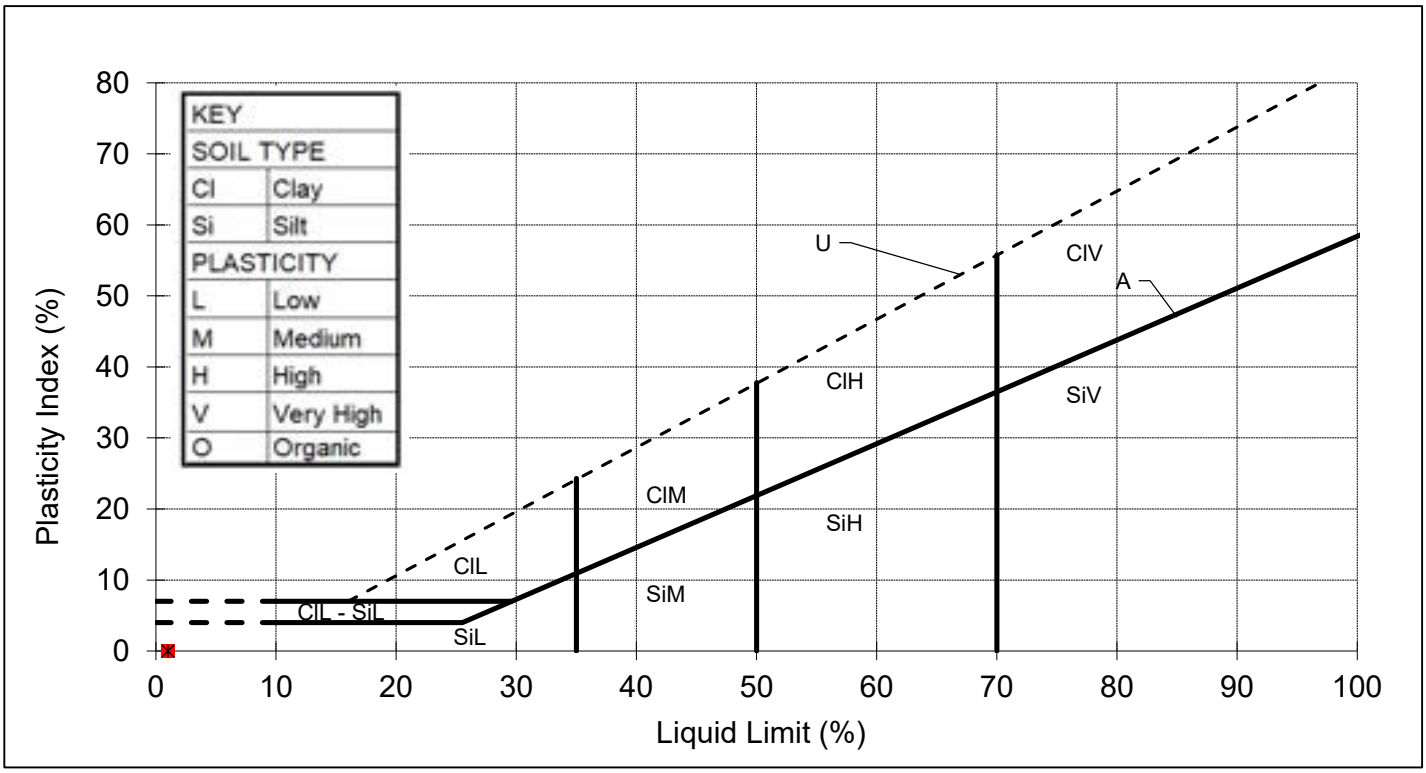
CLIENT	P.P. O'Connor Ltd
SITE	22975-SMAN, City Works
JOB NUMBER	MRN 25057/1

SAMPLE LABEL	6F2 - Sample 1	DATE SAMPLED	19-Dec-24
SAMPLE No.	619201	DATE RECEIVED	20-Dec-24
DATE TESTED	03-Jan-25	SAMPLED BY	Client

MATERIAL	Recycled 6F2		
ADVISED SOURCE	As client & site above	WATER CONTENT	Increasing
SAMPLE HISTORY	Natural State	% RET. 425um BY	Wet Sieved

Test Readings mm (average)		Water Content %	Correction Factor	Correction factor from Clayton and Jukes 1978
Determination 1 (avg)	N/A	N/A	N/A	
Determination 2 (avg)	N/A	N/A		

Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
9.7	N/A	Non Plastic	N/A	7



REMARKS

SIGNED [redacted]

NAME [redacted]es BA (Hons) DATE 17-Jan-25

(Director / Head of Laboratory)

SOCOTEC UK Limited
29 Rufford Court
Woolston, Warrington
Cheshire
WA1 4RF, United Kingdom
Telephone: 01925 286220

Dry Density/Water Content Relationship

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	MDD:NOR23-02294-S001
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

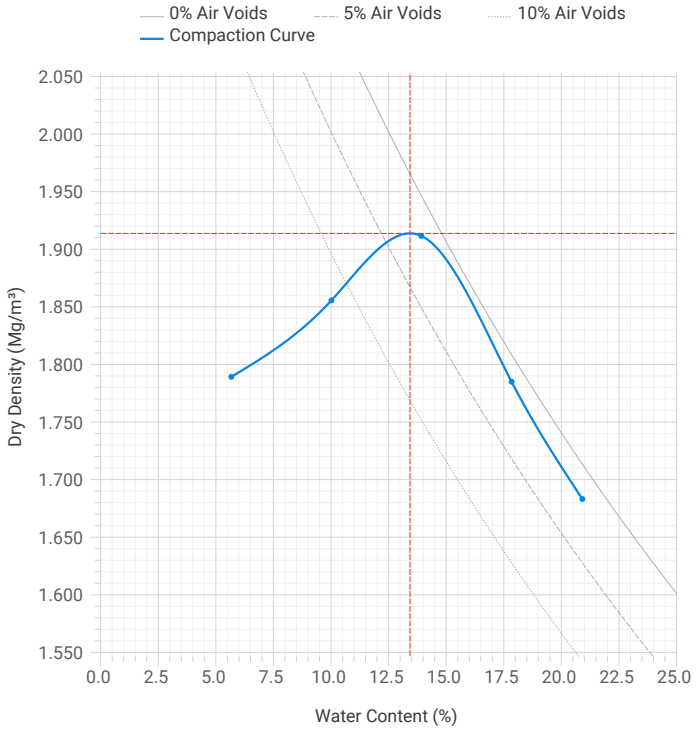
Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S001	Material Description:	Red slightly gravelly slightly sandy CLAY
Client Sample Ref:	Sample 1	Specification:	2A\2B SHW2016 Series 600 Table 6/2
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Glacial Till - Red Clay
Sample Location:	Glacial Till - Red Clay	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS 1377-2 Clause 11.3 - 2022

Maximum Dry Density (Mg/m³):	1.91
Optimum Water Content (%):	13
Grading Zone:	2
Method of Test:	11.3.4.1
Sample Preparation Procedure:	11.2.3.3
Sub-Samples Used:	Single
Aggregations Broken Down By:	Shredding
To Pass Sieve Size (mm):	20
Retained 37.5mm Sieve (%):	0
Retained 20mm Sieve (%):	1
Test Fraction Particle Density (Mg/m³):	2.67
Determined By:	Assumed
Date Tested:	12/12/2023



Review

Signed: **Stewart Robinson - Materials Laboratory Manager**

For and on behalf of SOCOTEC UK Limited
Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Signed Date: 24/01/2024

The results relate to the item(s) tested only. Opinions and interpretations expressed herein are outside of the scope of our UKAS accreditation.
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Telephone: 01925 286220

Dry Density/Water Content Relationship

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	MDD:NOR23-02294-S002
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

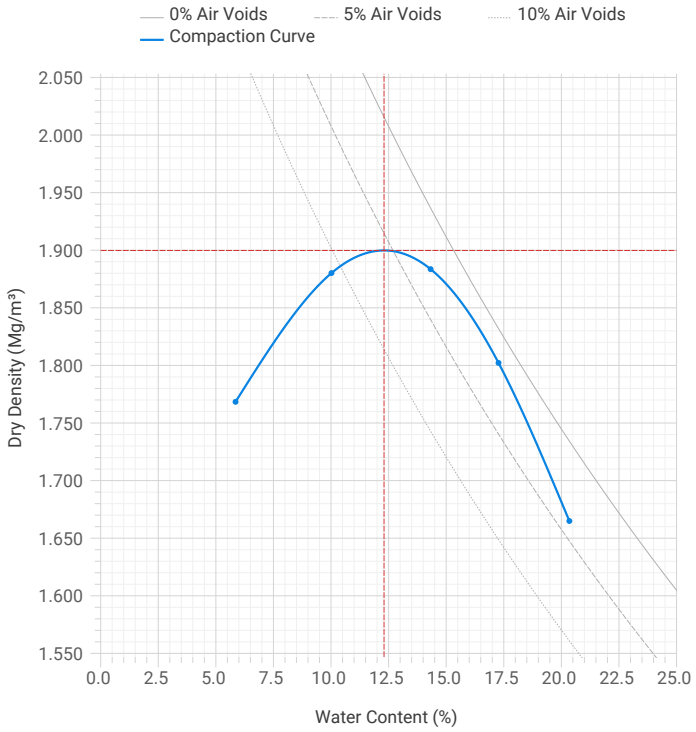
Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S002	Material Description:	Brown slightly gravelly slightly sandy CLAY
Client Sample Ref:	Sample 2a	Specification:	2A\2B SHW2016 Series 600 Table 6/2
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Glacial Till - Sandy Clay
Sample Location:	Glacial Till - Sandy Clay	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS 1377-2 Clause 11.3 - 2022

Maximum Dry Density (Mg/m³):	1.90
Optimum Water Content (%):	12
Grading Zone:	2
Method of Test:	11.3.4.1
Sample Preparation Procedure:	11.2.3.3
Sub-Samples Used:	Single
Aggregations Broken Down By:	Shredding
To Pass Sieve Size (mm):	20
Retained 37.5mm Sieve (%):	0
Retained 20mm Sieve (%):	4
Test Fraction Particle Density (Mg/m³):	2.68
Determined By:	Assumed
Date Tested:	12/12/2023



Review

Signed: **Stewart Robinson - Materials Laboratory Manager**

For and on behalf of SOCOTEC UK Limited
Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

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Cheshire
WA1 4RF, United Kingdom
Telephone: 01925 286220

Dry Density/Water Content Relationship

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	MDD:NOR23-02294-S003
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

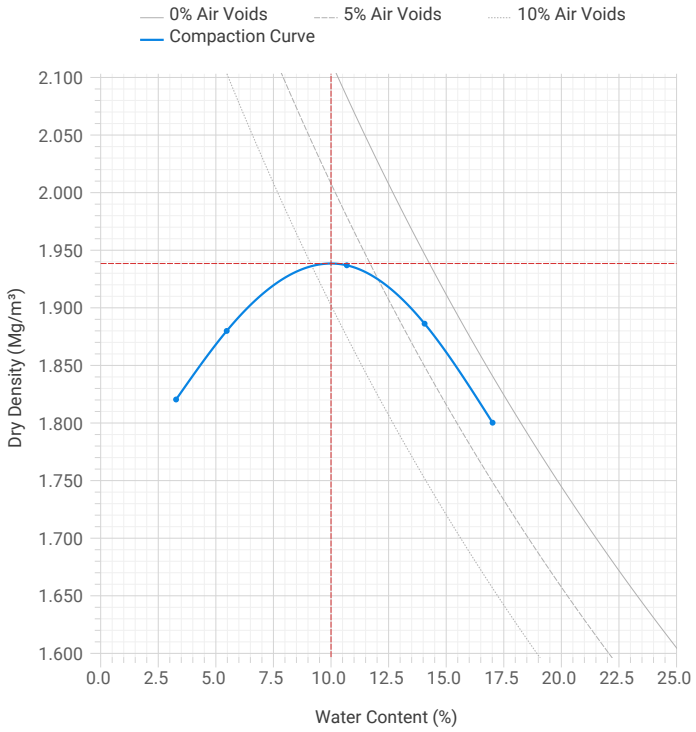
Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S003	Material Description:	Brown slightly gravelly slightly sandy CLAY
Client Sample Ref:	Sample 2b	Specification:	2A\2B SHW2016 Series 600 Table 6/2
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Glacial Till - Sandy Clay
Sample Location:	Glacial Till - Sandy Clay	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS 1377-2 Clause 11.3 - 2022

Maximum Dry Density (Mg/m³):	1.94
Optimum Water Content (%):	10
Grading Zone:	2
Method of Test:	11.3.4.2
Sample Preparation Procedure:	11.2.3.3
Sub-Samples Used:	Multiple
Aggregations Broken Down By:	Shredding
To Pass Sieve Size (mm):	20
Retained 37.5mm Sieve (%):	0
Retained 20mm Sieve (%):	1
Test Fraction Particle Density (Mg/m³):	2.68
Determined By:	Assumed
Date Tested:	12/12/2023



Review

Signed: **Stewart Robinson - Materials Laboratory Manager**

For and on behalf of SOCOTEC UK Limited
Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

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Telephone: 01925 286220

Dry Density/Water Content Relationship

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	MDD:NOR23-02294-S004
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

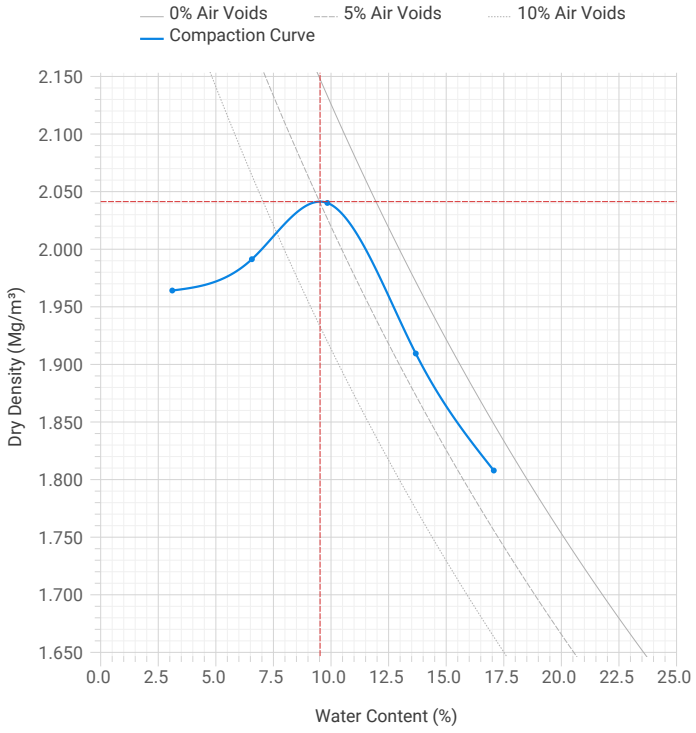
Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S004	Material Description:	Mudstone
Client Sample Ref:	Sample 3a	Specification:	
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Mudstone
Sample Location:	Mudstone	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS 1377-2 Clause 11.4 - 2022

Maximum Dry Density (Mg/m³):	2.04
Optimum Water Content (%):	9.5
Grading Zone:	X
Method of Test:	11.4.4.2
Sample Preparation Procedure:	11.2.4.6
Sub-Samples Used:	Multiple
Aggregations Broken Down By:	Not Required
To Pass Sieve Size (mm):	–
Retained 37.5mm Sieve (%):	11
Retained 20mm Sieve (%):	25
Test Fraction Particle Density (Mg/m³):	2.70
Determined By:	Assumed
Date Tested:	12/12/2023



Review

Signed: **Stewart Robinson - Materials Laboratory Manager**

For and on behalf of SOCOTEC UK Limited
Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Signed Date: 24/01/2024

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Cheshire
WA1 4RF, United Kingdom
Telephone: 01925 286220

Dry Density/Water Content Relationship

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	MDD:NOR23-02294-S005
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

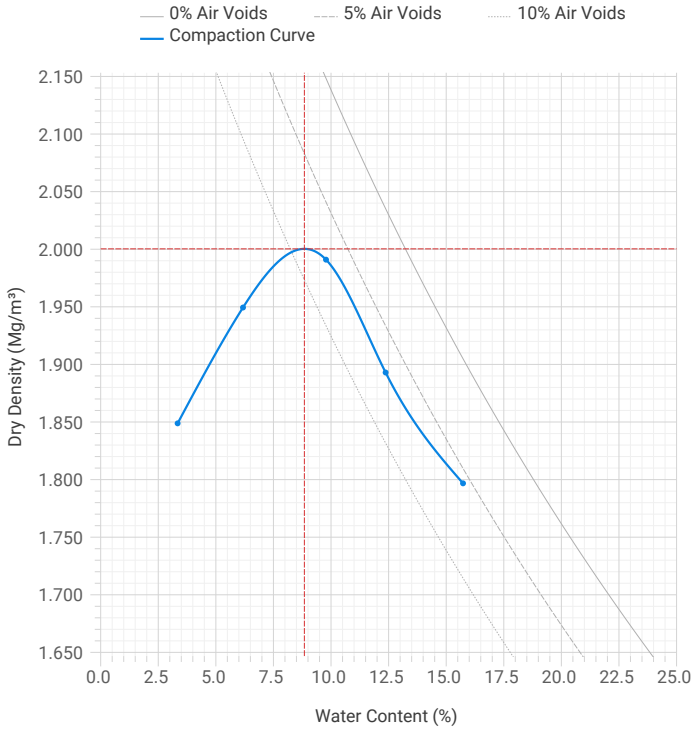
Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S005	Material Description:	Mudstone
Client Sample Ref:	Sample 3b	Specification:	
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Mudstone
Sample Location:	Mudstone	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS 1377-2 Clause 11.4 - 2022

Maximum Dry Density (Mg/m³):	2.00
Optimum Water Content (%):	8.8
Grading Zone:	X
Method of Test:	11.4.4.2
Sample Preparation Procedure:	11.2.4.6
Sub-Samples Used:	Multiple
Aggregations Broken Down By:	Not Required
To Pass Sieve Size (mm):	–
Retained 37.5mm Sieve (%):	16
Retained 20mm Sieve (%):	29
Test Fraction Particle Density (Mg/m³):	2.72
Determined By:	Assumed
Date Tested:	12/12/2023



Review

Signed: **Stewart Robinson - Materials Laboratory Manager**

For and on behalf of SOCOTEC UK Limited
Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Signed Date: 24/01/2024

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Cheshire
WA1 4RF, United Kingdom
Telephone: 01925 286220

Particle Size Distribution

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	PSD:NOR23-02294-S001
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

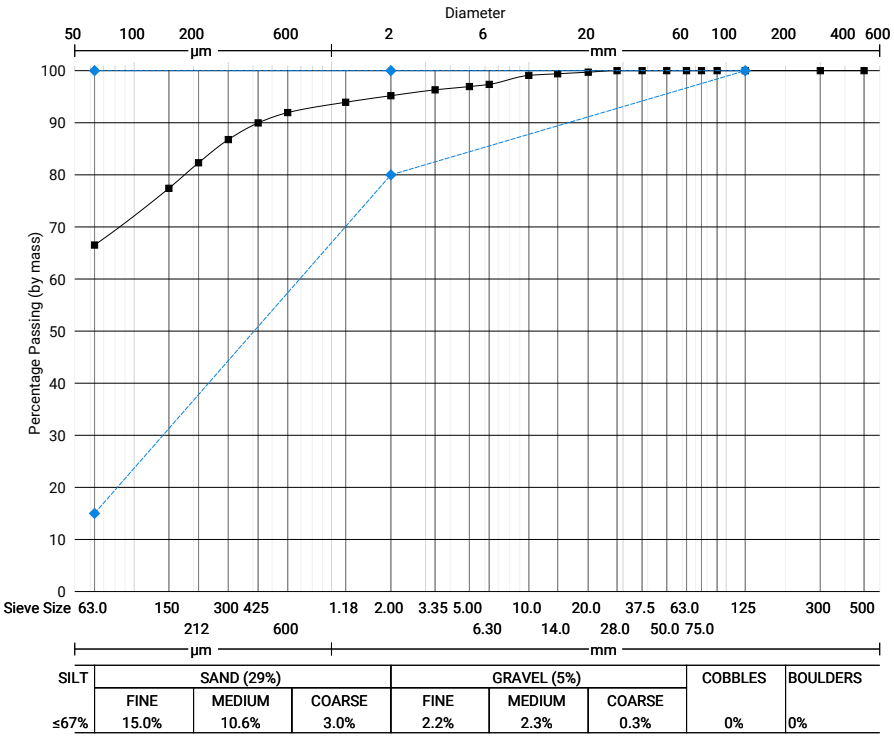
Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S001	Material Description:	Red slightly gravelly slightly sandy CLAY
Client Sample Ref:	Sample 1	Specification:	2A\2B SHW2016 Series 600 Table 6/2
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Glacial Till - Red Clay
Sample Location:	Glacial Till - Red Clay	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No
Note:	Results on this report are within the shown specification limits, if any.		

Test Results

BS 1377 - 2 Clause 10 - 2022

Sieve Size	Passing (%)	Limits
500 mm	100	
300 mm	100	
125 mm	100	=100
90.0 mm	100	
75.0 mm	100	
63.0 mm	100	
50.0 mm	100	
37.5 mm	100	
28.0 mm	100	
20.0 mm	100	
14.0 mm	99	
10.0 mm	99	
6.30 mm	97	
5.00 mm	97	
3.35 mm	96	
2.00 mm	95	80 to 100
1.18 mm	94	
600 µm	92	
425 µm	90	
300 µm	87	
212 µm	82	
150 µm	77	
63.0 µm	67	15 to 100



SILT	SAND (29%)			GRAVEL (5%)			COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE		
≤67%	15.0%	10.6%	3.0%	2.2%	2.3%	0.3%	0%	0%

Date Tested:	13/12/2023
Sample Preparation Procedure:	BS EN ISO 17892-4 Cl. 5.2.2
Material Dry Mass (g):	5266

Review

Signed: **Stewart Robinson - Materials Laboratory Manager**

For and on behalf of SOCOTEC UK Limited
Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Signed Date: 24/01/2024

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Telephone: 01925 286220

Particle Size Distribution

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	PSD:NOR23-02294-S002
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

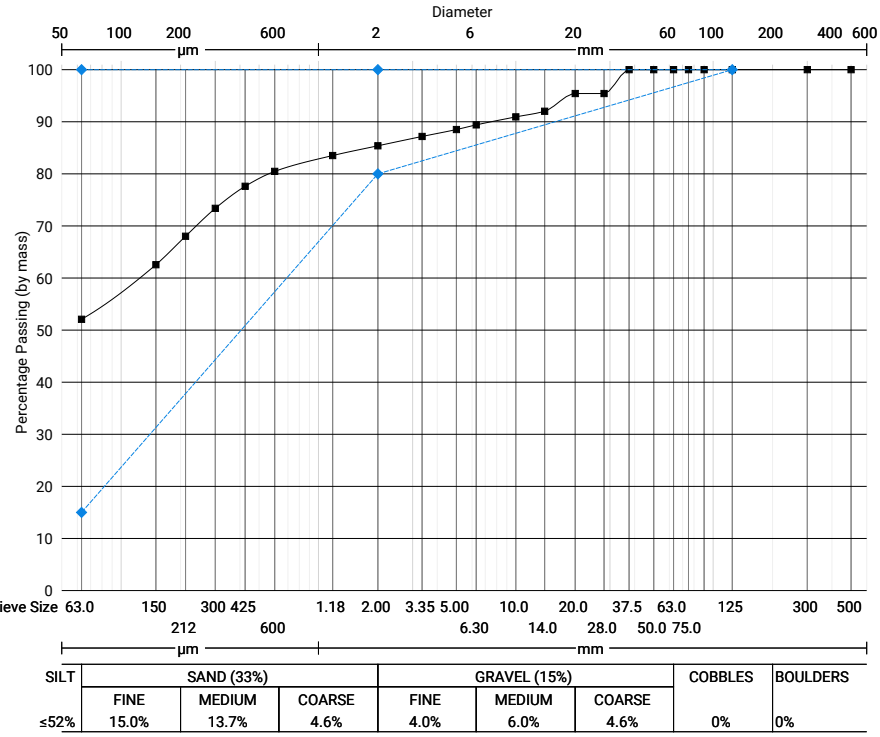
Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S002	Material Description:	Brown slightly gravelly slightly sandy CLAY
Client Sample Ref:	Sample 2a	Specification:	2A\2B SHW2016 Series 600 Table 6/2
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Glacial Till - Sandy Clay
Sample Location:	Glacial Till - Sandy Clay	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No
Note:	Results on this report are within the shown specification limits, if any.		

Test Results

BS 1377 - 2 Clause 10 - 2022

Sieve Size	Passing (%)	Limits
500 mm	100	
300 mm	100	
125 mm	100	=100
90.0 mm	100	
75.0 mm	100	
63.0 mm	100	
50.0 mm	100	
37.5 mm	100	
28.0 mm	95	
20.0 mm	95	
14.0 mm	92	
10.0 mm	91	
6.30 mm	89	
5.00 mm	89	
3.35 mm	87	
2.00 mm	85	80 to 100
1.18 mm	84	
600 µm	80	
425 µm	78	
300 µm	73	
212 µm	68	
150 µm	63	
63.0 µm	52	15 to 100



SILT	SAND (33%)			GRAVEL (15%)			COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE		
≤52%	15.0%	13.7%	4.6%	4.0%	6.0%	4.6%	0%	0%

Date Tested:	13/12/2023
Sample Preparation Procedure:	BS EN ISO 17892-4 Cl. 5.2.2
Material Dry Mass (g):	5162

Review

Signed:

Stewart Robinson - Materials Laboratory Manager

For and on behalf of SOCOTEC UK Limited
Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Signed Date: 24/01/2024

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Cheshire
WA1 4RF, United Kingdom
Telephone: 01925 286220

Particle Size Distribution

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	PSD:NOR23-02294-S003
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

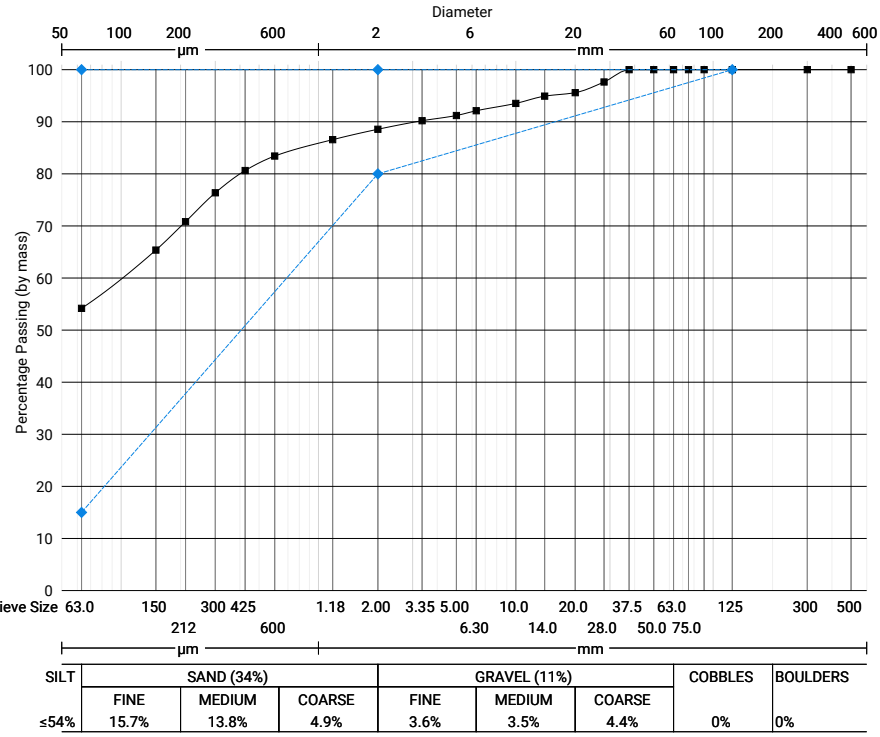
Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S003	Material Description:	Brown slightly gravelly slightly sandy CLAY
Client Sample Ref:	Sample 2b	Specification:	2A\2B SHW2016 Series 600 Table 6/2
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Glacial Till - Sandy Clay
Sample Location:	Glacial Till - Sandy Clay	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No
Note:	Results on this report are within the shown specification limits, if any.		

Test Results

BS 1377 - 2 Clause 10 - 2022

Sieve Size	Passing (%)	Limits
500 mm	100	
300 mm	100	
125 mm	100	=100
90.0 mm	100	
75.0 mm	100	
63.0 mm	100	
50.0 mm	100	
37.5 mm	100	
28.0 mm	98	
20.0 mm	96	
14.0 mm	95	
10.0 mm	94	
6.30 mm	92	
5.00 mm	91	
3.35 mm	90	
2.00 mm	89	80 to 100
1.18 mm	87	
600 µm	83	
425 µm	81	
300 µm	76	
212 µm	71	
150 µm	65	
63.0 µm	54	15 to 100



SILT	SAND (34%)			GRAVEL (11%)			COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE		
≤54%	15.7%	13.8%	4.9%	3.6%	3.5%	4.4%	0%	0%

Date Tested:	13/12/2023
Sample Preparation Procedure:	BS EN ISO 17892-4 Cl. 5.2.2
Material Dry Mass (g):	6344

Review

Signed:

Stewart Robinson - Materials Laboratory Manager

For and on behalf of SOCOTEC UK Limited
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WA1 4RF, United Kingdom
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Water Content

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	WC:NOR23-02294-S005
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S005	Material Description:	Mudstone
Client Sample Ref:	Sample 3b	Specification:	
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Mudstone
Sample Location:	Mudstone	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS 1377-2 Cl. 3.2 - 1990 (withdrawn)

Moisture Content (%):	11	Date Tested:	07/12/2023

Review

Signed:

Stewart Robinson - Materials Laboratory Manager

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Telephone: 01925 286220

Particle Size Distribution

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	PSD:NOR23-02294-S004
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

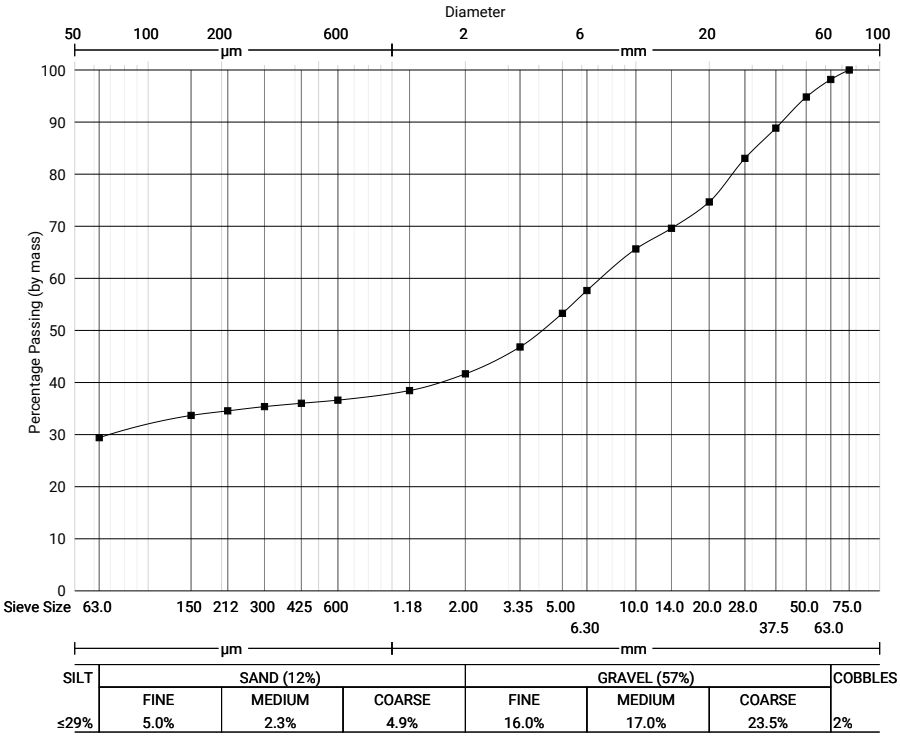
Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S004	Material Description:	Mudstone
Client Sample Ref:	Sample 3a	Specification:	
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Mudstone
Sample Location:	Mudstone	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS 1377 - 2 Clause 10 - 2022

Sieve Size	Passing (%)	Limits
75.0 mm	100	
63.0 mm	98	
50.0 mm	95	
37.5 mm	89	
28.0 mm	83	
20.0 mm	75	
14.0 mm	70	
10.0 mm	66	
6.30 mm	58	
5.00 mm	53	
3.35 mm	47	
2.00 mm	42	
1.18 mm	38	
600 µm	37	
425 µm	36	
300 µm	35	
212 µm	35	
150 µm	34	
63.0 µm	29	



Date Tested:	13/12/2023
Sample Preparation Procedure:	BS EN ISO 17892-4 Cl. 5.2.2
Material Dry Mass (g):	24778

Review

Signed:

Stewart Robinson - Materials Laboratory Manager

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Particle Size Distribution

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	PSD:NOR23-02294-S005
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

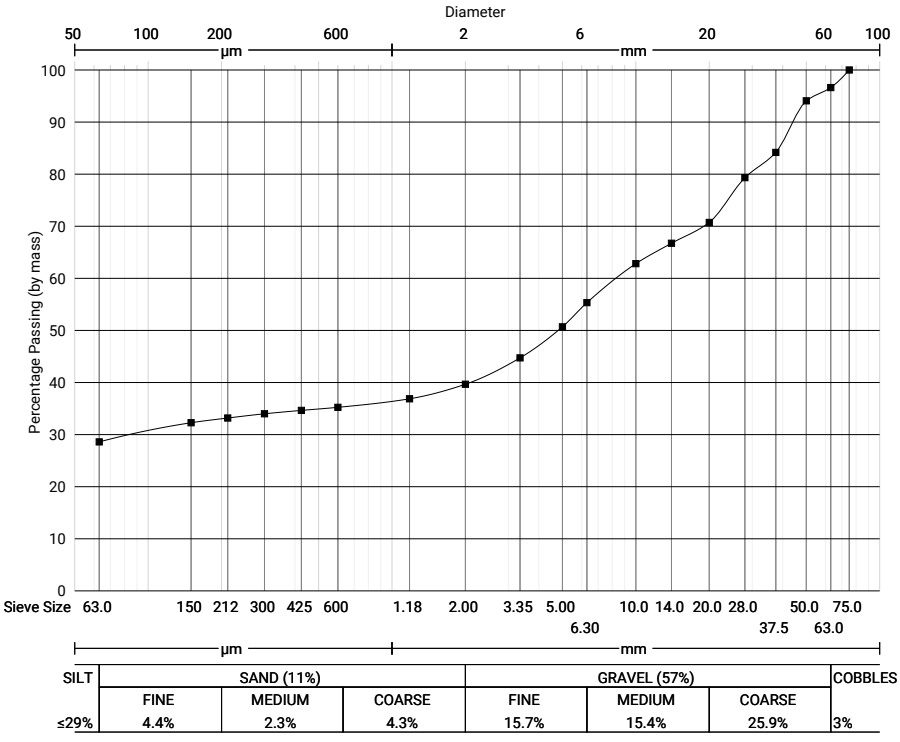
Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S005	Material Description:	Mudstone
Client Sample Ref:	Sample 3b	Specification:	
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Mudstone
Sample Location:	Mudstone	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS 1377 - 2 Clause 10 - 2022

Sieve Size	Passing (%)	Limits
75.0 mm	100	
63.0 mm	97	
50.0 mm	94	
37.5 mm	84	
28.0 mm	79	
20.0 mm	71	
14.0 mm	67	
10.0 mm	63	
6.30 mm	55	
5.00 mm	51	
3.35 mm	45	
2.00 mm	40	
1.18 mm	37	
600 µm	35	
425 µm	35	
300 µm	34	
212 µm	33	
150 µm	32	
63.0 µm	29	



Date Tested:	13/12/2023
Sample Preparation Procedure:	BS EN ISO 17892-4 Cl. 5.2.2
Material Dry Mass (g):	25273

Review

Signed: **Stewart Robinson - Materials Laboratory Manager**

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Plasticity Index

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	PI:NOR23-02294-S001
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

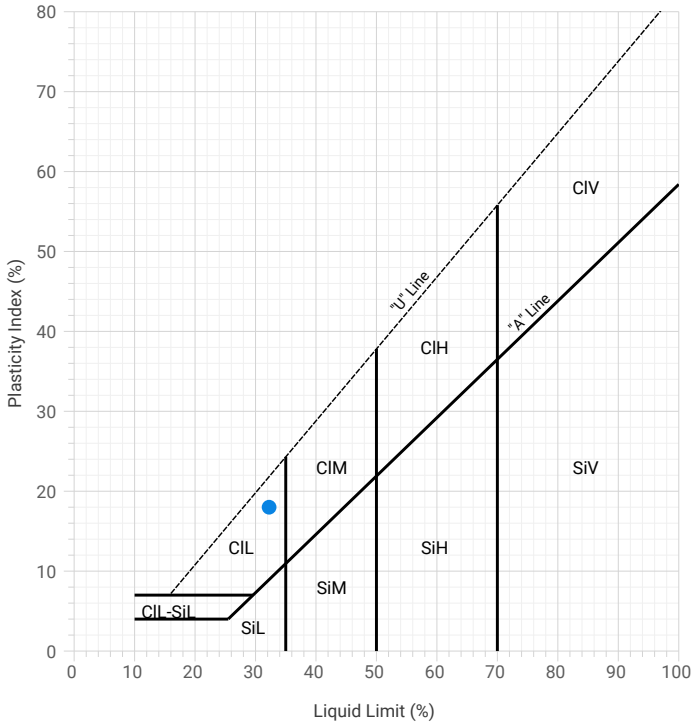
Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S001	Material Description:	Red slightly gravelly slightly sandy CLAY
Client Sample Ref:	Sample 1	Specification:	2A\2B SHW2016 Series 600 Table 6/2
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Glacial Till - Red Clay
Sample Location:	Glacial Till - Red Clay	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS EN ISO 17892-12 - 2018

Sample Preparation Procedure:	BS EN ISO 17892-12 Cl. 5.2
Cone Type:	80g/30°
Trial 1 Water Content (%):	33.1
Trial 2 Water Content (%):	32.8
Correlation Factor:	0.979
Material History:	Not previously dried
Oversize Material Removed By:	Hand
Material < 0.425mm (%):	94
As Received Water Content (%):	16.3
Liquid Limit (%):	32
Plastic Limit (%):	14
Plasticity Index (%):	18
Date Tested:	14/12/2023



Review

Signed: **Stewart Robinson - Materials Laboratory Manager**

For and on behalf of SOCOTEC UK Limited
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Telephone: 01925 286220

Plasticity Index

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	PI:NOR23-02294-S002
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

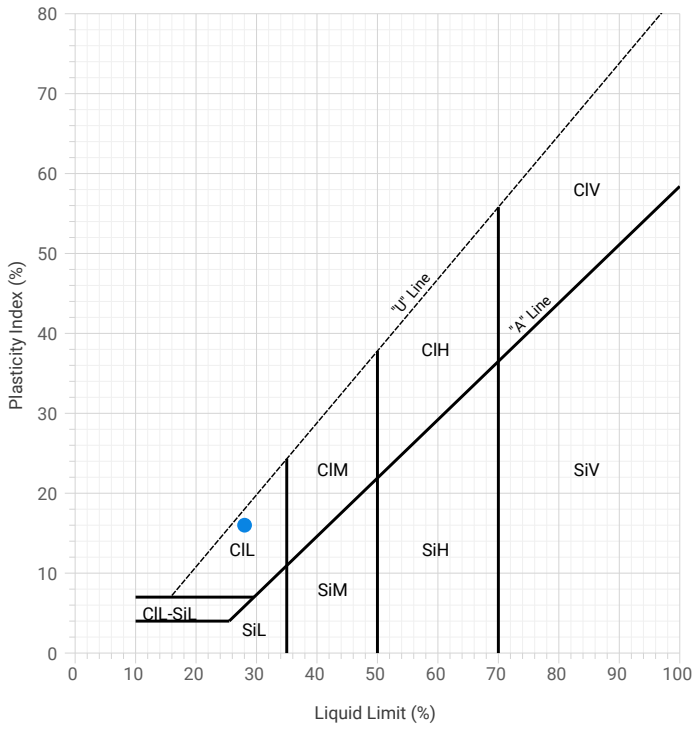
Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S002	Material Description:	Brown slightly gravelly slightly sandy CLAY
Client Sample Ref:	Sample 2a	Specification:	2A\2B SHW2016 Series 600 Table 6/2
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Glacial Till - Sandy Clay
Sample Location:	Glacial Till - Sandy Clay	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS EN ISO 17892-12 - 2018

Sample Preparation Procedure:	BS EN ISO 17892-12 Cl. 5.2
Cone Type:	80g/30°
Trial 1 Water Content (%):	28.1
Trial 2 Water Content (%):	28.1
Correlation Factor:	0.997
Material History:	Not previously dried
Oversize Material Removed By:	Hand
Material < 0.425mm (%):	81
As Received Water Content (%):	15.1
Liquid Limit (%):	28
Plastic Limit (%):	12
Plasticity Index (%):	16
Date Tested:	14/12/2023



Review

Signed: **Stewart Robinson - Materials Laboratory Manager**

For and on behalf of SOCOTEC UK Limited
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Signed Date: 24/01/2024

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Plasticity Index

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	PI:NOR23-02294-S003
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

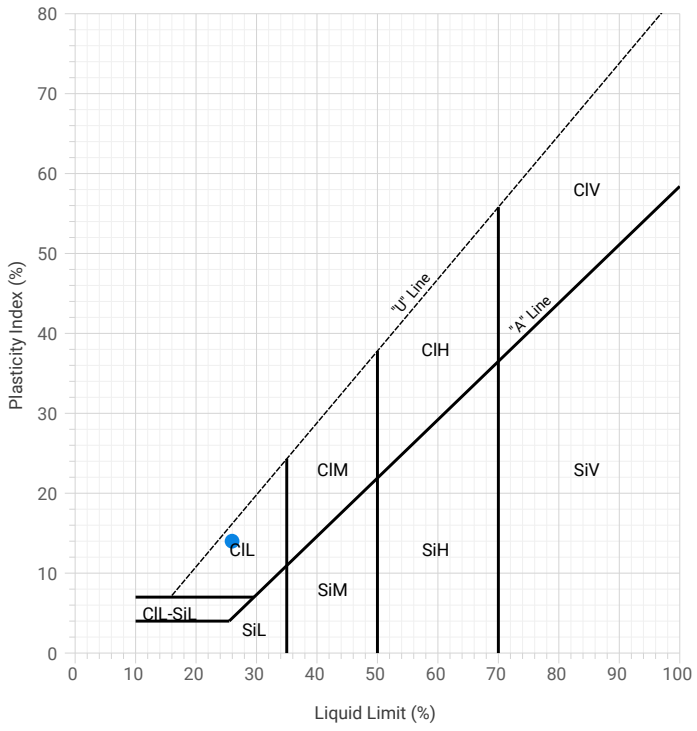
Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S003	Material Description:	Brown slightly gravelly slightly sandy CLAY
Client Sample Ref:	Sample 2b	Specification:	2A\2B SHW2016 Series 600 Table 6/2
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Glacial Till - Sandy Clay
Sample Location:	Glacial Till - Sandy Clay	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS EN ISO 17892-12 - 2018

Sample Preparation Procedure:	BS EN ISO 17892-12 Cl. 5.2
Cone Type:	80g/30°
Trial 1 Water Content (%):	26.6
Trial 2 Water Content (%):	26.6
Correlation Factor:	0.976
Material History:	Not previously dried
Oversize Material Removed By:	Hand
Material < 0.425mm (%):	83
As Received Water Content (%):	13.7
Liquid Limit (%):	26
Plastic Limit (%):	12
Plasticity Index (%):	14
Date Tested:	14/12/2023



Review

Signed: **Stewart Robinson - Materials Laboratory Manager**

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Plasticity Index

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	PI:NOR23-02294-S004
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

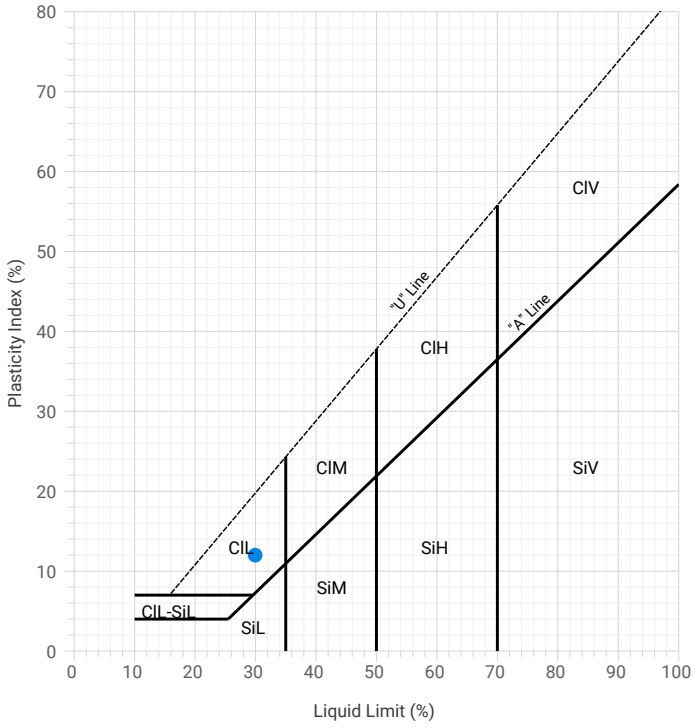
Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S004	Material Description:	Mudstone
Client Sample Ref:	Sample 3a	Specification:	
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Mudstone
Sample Location:	Mudstone	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS EN ISO 17892-12 - 2018

Sample Preparation Procedure:	BS EN ISO 17892-12 Cl. 5.2
Cone Type:	80g/30°
Trial 1 Water Content (%):	29.8
Trial 2 Water Content (%):	29.6
Correlation Factor:	1.009
Visual Description:	Grey slightly sandy CLAY and MUDSTONE
Material History:	Not previously dried
Oversize Material Removed By:	Wet Sieving
Material < 0.425mm (%):	40
As Received Water Content (%):	13.4
Liquid Limit (%):	30
Plastic Limit (%):	18
Plasticity Index (%):	12
Date Tested:	14/12/2023



Review

Signed: **Stewart Robinson - Materials Laboratory Manager**

For and on behalf of SOCOTEC UK Limited
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Plasticity Index

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	PI:NOR23-02294-S005
Report Date:	24/01/2024
Issue No.:	1
Recipients:	Claire Hodges Jarred Morris

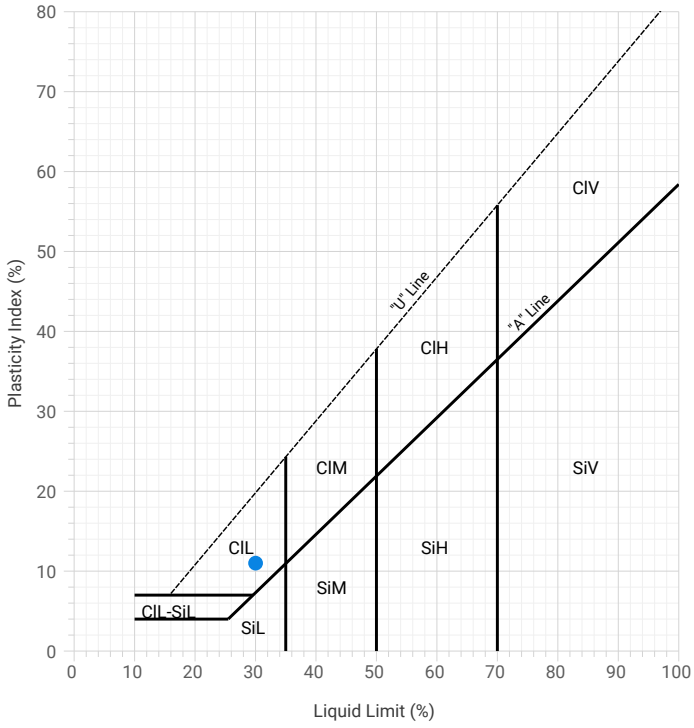
Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S005	Material Description:	Mudstone
Client Sample Ref:	Sample 3b	Specification:	
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Mudstone
Sample Location:	Mudstone	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS EN ISO 17892-12 - 2018

Sample Preparation Procedure:	BS EN ISO 17892-12 Cl. 5.2
Cone Type:	80g/30°
Trial 1 Water Content (%):	30.3
Trial 2 Water Content (%):	30.6
Correlation Factor:	0.985
Visual Description:	Soft grey CLAY and MUDSTONE
Material History:	Not previously dried
Oversize Material Removed By:	Wet Sieving
Material < 0.425mm (%):	41
As Received Water Content (%):	14.1
Liquid Limit (%):	30
Plastic Limit (%):	19
Plasticity Index (%):	11
Date Tested:	14/12/2023



Review

Signed: **Stewart Robinson - Materials Laboratory Manager**

For and on behalf of SOCOTEC UK Limited
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Signed Date: 24/01/2024

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Telephone: 01925 286220

Water Content

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	WC:NOR23-02294-S001
Report Date:	24/01/2024
Issue No.:	1
Recipients:	

Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S001	Material Description:	Red slightly gravelly slightly sandy CLAY
Client Sample Ref:	Sample 1	Specification:	2A\2B SHW2016 Series 600 Table 6/2
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Glacial Till - Red Clay
Sample Location:	Glacial Till - Red Clay	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS 1377-2 Cl. 3.2 - 1990 (withdrawn)

Moisture Content (%):	16	Date Tested:	07/12/2023

Review

Signed:

Stewart Robinson - Materials Laboratory Manager

For and on behalf of SOCOTEC UK Limited
Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Signed Date: 24/01/2024

The results relate to the item(s) tested only. Opinions and interpretations expressed herein are outside of the scope of our UKAS accreditation.
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SOCOTEC UK Limited
29 Rufford Court
Woolston, Warrington
Cheshire
WA1 4RF, United Kingdom
Telephone: 01925 286220

Water Content

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	WC:NOR23-02294-S002
Report Date:	24/01/2024
Issue No.:	1
Recipients:	

Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S002	Material Description:	Brown slightly gravelly slightly sandy CLAY
Client Sample Ref:	Sample 2a	Specification:	2A\2B SHW2016 Series 600 Table 6/2
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Glacial Till - Sandy Clay
Sample Location:	Glacial Till - Sandy Clay	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS 1377-2 Cl. 3.2 - 1990 (withdrawn)

Moisture Content (%):	14	Date Tested:	07/12/2023

Review

Signed: **Stewart Robinson - Materials Laboratory Manager**

For and on behalf of SOCOTEC UK Limited
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Telephone: 01925 286220

Water Content

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	WC:NOR23-02294-S003
Report Date:	24/01/2024
Issue No.:	1
Recipients:	

Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S003	Material Description:	Brown slightly gravelly slightly sandy CLAY
Client Sample Ref:	Sample 2b	Specification:	2A\2B SHW2016 Series 600 Table 6/2
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Glacial Till - Sandy Clay
Sample Location:	Glacial Till - Sandy Clay	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS 1377-2 Cl. 3.2 - 1990 (withdrawn)

Moisture Content (%):	14	Date Tested:	07/12/2023

Review

Signed: **Stewart Robinson - Materials Laboratory Manager**

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Signed Date: 24/01/2024

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Water Content

TEST REPORT

UKAS TESTING 0001

Project Details

Client:	WHITEMOSS LANDFILL LTD
Client Address:	VEOLIA INVOICES CRUCIBLE ROAD NN17 5ZZ
Project Name:	Whitemoss Landfill - Skelmersdale WN8 9TH
Project Code:	P232661

Report Details

Report No.:	WC:NOR23-02294-S004
Report Date:	24/01/2024
Issue No.:	1
Recipients:	

Sample Details

SOCOTEC Sample Ref:	NOR23-02294-S004	Material Description:	Mudstone
Client Sample Ref:	Sample 3a	Specification:	
Date Sampled:	09/11/2023	Supplier:	Site Won
Date Received:	06/12/2023	Source:	Site Won
Sample Type:	Bulk Bag/s	General Location:	Mudstone
Sample Location:	Mudstone	Sampling Method:	Laid Material
Sampled By:	Client	Sampling Cert Received?:	No

Test Results

BS 1377-2 Cl. 3.2 - 1990 (withdrawn)

Moisture Content (%):	12	Date Tested:	07/12/2023

Review

Signed:

Stewart Robinson - Materials Laboratory Manager

For and on behalf of SOCOTEC UK Limited
Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Signed Date: 24/01/2024

The results relate to the item(s) tested only. Opinions and interpretations expressed herein are outside of the scope of our UKAS accreditation.
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APPENDIX F – ROLLER SPECIFICATION

A WIRTGEN GROUP COMPANY

HAMM

Technical data

HC 130i C



Compactors Series HC | **H254**

Compactor with smooth drum

HIGHLIGHTS

> High compaction performance
> Spacious driver's platform with Easy Drive operating concept
> Hammtronic for high comfort, safety and reduced emissions
> Customised configuration possibilities and a wide range of options
> Digital ready

TECHNICAL DATA HC 130i C (H254)

Weights		
Operating weight with cab	kg	13365
Operating weight with ROPS	kg	13015
Empty weight without cab, without ROPS	kg	12290
Max. operating weight	kg	17800
Axle load, front/rear	kg	7840/5525
Axle load at max. operating weight, front/rear	kg	8570/9230
Static linear load, front	kg/cm	36,64
French classification, value/class		50,95/VM3
Wheel load per tyre, rear	kg	2762,5
Machine dimensions		
Total length	mm	6117
Total height with cab	mm	3054
Total height with ROPS	mm	3054
Height loading, min.	mm	3054
Centre distance	mm	3266
Total width with cab	mm	2474
Maximum working width	mm	2140
Ground clearance, centre	mm	461
Kerb clearance, left/right	mm	477/477
Turning radius, inside	mm	4131
Slope angle, front/rear	°	34,2/23,7
Drum dimensions		
Drum width, front	mm	2140
Drum diameter, front	mm	1504
Drum thickness, front	mm	30
Drum type, front		Smooth
Tyre dimensions		
Tyre size, rear		AW 23.1-26 12 PR
Width over tyres, rear	mm	2122
Number of tyres, rear		2
Diesel engine		
Manufacturer		JOHN DEERE
Model		JDPS 4045PSS
Cylinders, quantity		4
Power ISO 14396, kW/PS/rpm		119,6/162,6/2000
Power SAE J1349, kW/HP/rpm		119,6/160,4/2000
Exhaust emissions category, EU		EU Stage 5
Exhaust emissions category, USA		EPA Tier 4
Exhaust emissions category, Korea		KOR Stage 5
Exhaust gas after-treatment		DOC-DPF-SCR
Travel drive		
Speed, infinitely variable	km/h	0 - 12,1
Regulation, infinitely variable		HAMMTRONIC
Gradeability, with/without vibration	%	57/63

Vibration		
Vibration frequency, front, level I/II	Hz	30/36
Amplitude, front, level I/II	mm	2,05/1,1
Centrifugal force, front, level I/II	kN	290/220
Steering		
Steering angle +/-	°	35
Pendulum angle +/-	°	max. 12
Steering, type		Articulated steering
Tank capacity/filling capacity		
Fuel tank, capacity	L	280
AdBlue/SCR reducing agent tank, capacity	L	32
Sound level		
Sound power level L(WA), guaranteed	db(A)	106
Sound power level L(WA), representative measurement	db(A)	103

EQUIPMENT

12 V sockets (double) | Two large exterior rear-view mirrors | 3-point articulation | Dashboard with displays, indicator lights and function keys | Easy Drive operating concept | ECO mode | Speed preselect | Hose protection on the front vehicle | Vibration-isolated driver's platform | Automatic vibration system

OPTIONAL EQUIPMENT

ROPS cab with heating and air-conditioning system (FOPS, level I) | Auxiliary heater | Tachograph | Bluetooth interface for Smart Doc | Smart Receiver | Padfoot shells | Vibration plate | Back-up alarm | Working spotlights | Coming Home function | Automatic engine stop | Battery isolation switch

Further data on request/subject to change Illustrations may contain optional features.© **Hamm AG** 2025 - 3047795 en-GB V12

ARX 26-2

LIGHT TANDEM VIBRATORY ROLLER

EU STAGE V / U.S. EPA TIER 4 FINAL



APPLICATIONS

- Small and medium construction sites
- Road maintenance
- City street repairs
- Confined work spaces
- Pathways
- Playgrounds, golf courses

PRODUCTIVITY

Smooth rolling
No sudden starts and stops during machine operation.

Compaction performance
Varied machine sizes ensure proper fits for the application and jobsite.

ERGONOMICS

The **operator platform** is designed for comfort, ensuring a pleasant experience no matter the duration of the shift.

The operator station offers 360° all-around machine visibility from the seat to maximize safety on the jobsite.

SERVICEABILITY

Low downtime
Robust design that protects components.

Reduced maintenance
Easy-to-reach maintenance points.

SUSTAINABILITY

ECOdrop
Improved efficiency, reduced use of fluids.

Advanced technologies
Machine usage controlled to bring efficiency, productivity – and enable precise documentation.

OPTIONAL EQUIPMENT

- Two non-split drums, in-line
- Additional documentation printed
- Additional lights for hard canopy
- Additional Lights for ROPS
- Additional Lights for ROPS with Beacon
- Additional lights for ROPS/FOPS
- Additional lights for ROPS/FOPS with beacon
- Additional mirror
- Ammann Traction Control (ATC)
- AmmannCare Gold
- AmmannCare Silver
- Back-up alarm
- Back-up alarm adaptive
- CE conformity
- Central lifting point
- Certificate of origin
- Color scheme customer
- Compaction Measuring System ACE^{force}
- Drive lever additional left
- Edge cutter 45° (front right)
- Frame ROPS
- Hard canopy ROPS mounted
- Hard driving
- Hydraulic oil biodegradable
- Infrared thermometer
- Maintenance kit 1000h
- Maintenance kit 500h
- Maintenance kit 250h
- Maintenance kit 50h
- Overseas shipping preparation
- Registration plate holder
- Road lights
- Road lights incl. turn signals
- Scrapers double drum tiltable
- Seat activation warning switch
- Seat belt 3”
- Seat options armrests
- Seat options seat heating
- Telematics ServiceLink Light
- Telematics ServiceLink Plus
- Toolset
- Transport accessories
- Warning beacon green LED
- Warning beacon green LED for ROPS/FOPS
- Warning beacon LED for hard canopy
- Warning beacon LED for ROPS
- Warning beacon LED green for hard canopy
- Warning beacon LED ROPS/FOPS
- Warning beacon permanently activated
- Water tank lock

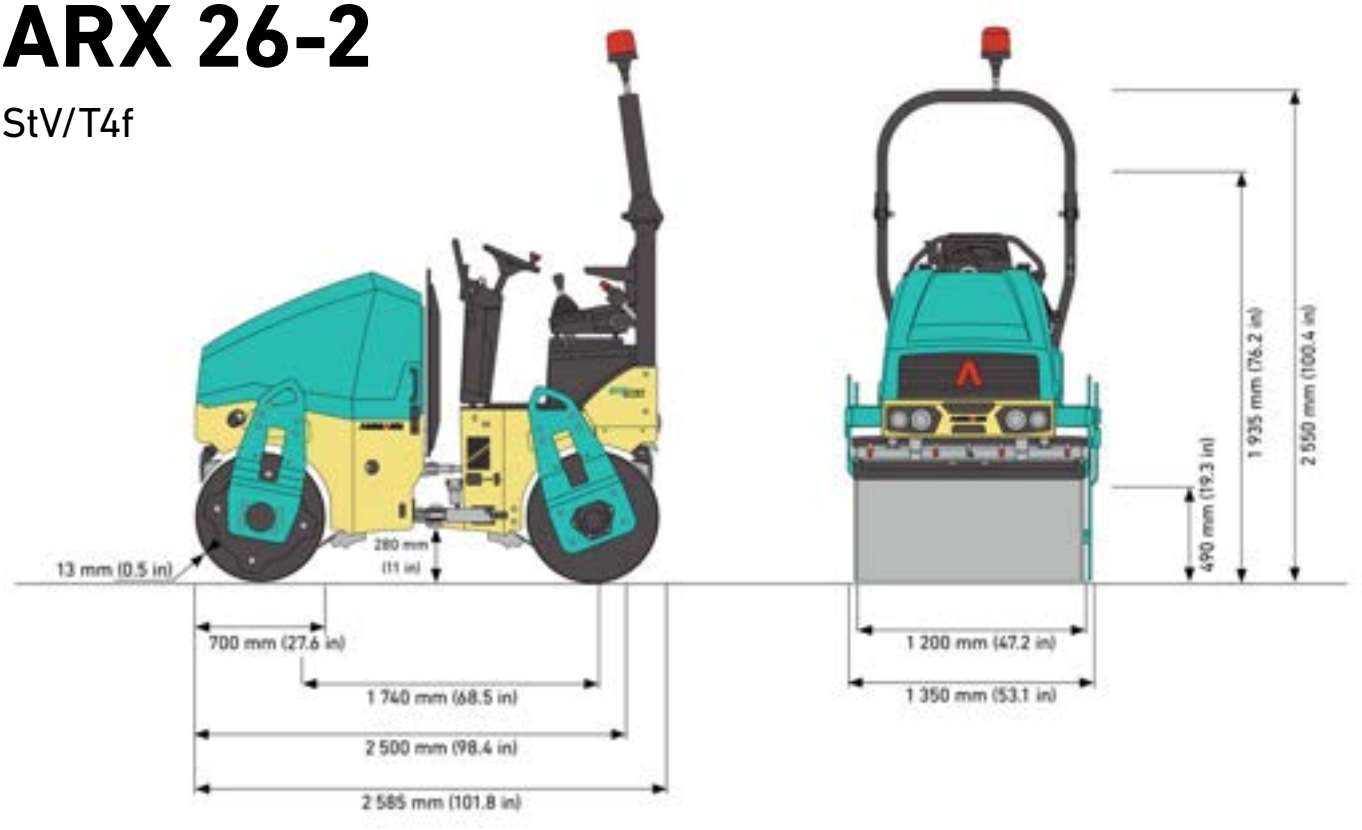
STANDARD EQUIPMENT

- 1 amplitude / 2 frequencies
- Ammann color design and decals
- Articulation joint with oscillation and offset
- AVC - Automatic Vibration Control
- Operator station with one drive lever (RH)
- Front and rear drive and vibration
- Open platform with safety handles
- Electronic drive lever
- Pressure water sprinkling with interval switch, 2 stage filtration
- Multi-functional display for machine overview
- Slideable and horizontally adjustable driver’s seat
- Fixed scrapers
- Standard hydraulic oil
- Telematics ready
- On-board diagnostics
- Battery disconnection switch

AMMANN

ARX 26-2

StV/T4f



WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT CECE	2 515 kg (5,545 lb)
OPERATING WEIGHT MAX.	2 710 kg (5,975 lb)
STATIC LINEAR LOAD AVG.	10,7 kg/cm (59.9 lb/in)
MAX. WORKING SPEED	11 km/h (6.8 MPH)
GRADEABILITY WITHOUT VIBRATION	35%
GRADEABILITY WITH VIBRATION	30%
TURNING RADIUS (INNER)	2 400 mm (94.5 in)
DRUM OFFSET	40 mm (1.6 in)

ENGINE

MANUFACTURER	Kubota
ENGINE TYPE	D1803-CR
ENGINE SPEED	2100 / 2400 rpm
POWER OUTPUT ISO 3046	25 kW / 33,5 HP
EMISSION STAGE	EU Stage V / U.S. EPA Tier 4 Final
EXHAUST GAS AFTER-TREARTMENT	EGR+DOC+DPF

COMPACTION FORCES

AMPLITUDE I	0,5 mm (0.020 in)
AMPLITUDE II	0,5 mm (0.020 in)
FREQUENCY I	58 Hz (3,480 vpm)
FREQUENCY II	66 Hz (3,960 vpm)
CENTRIFUGAL FORCE I	35 kN (7,868 lbf)
CENTRIFUGAL FORCE II	42 kN (9,442 lbf)

MISCELLANEOUS

BRAKES OPERATING	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake
FUEL TANK CAPACITY	35 l (9.2 gal)
WATER TANK CAPACITY	190 l (50.2 gal)
TYPE OF WATERING	Pressure
HYDRAULIC TANK CAPACITY	28,5 l (7.5 gal)
STEERING ANGLE	±30°
OSCILLATION ANGLE	±6,5°
BATTERY VOLTAGE	12 V
BATTERY CAPACITY	77 Ah

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

ROCKFILL	N/A
SAND / GRAVEL	250 mm (9.8 in)
MIXED SOILS	180 mm (7.1 in)
SILT	N/A
CLAY	N/A
STABILISATION	120 mm (4.7 in)
ASPHALT	100 mm (3.9 in)

For additional product information and services please visit: **www.ammann.com**
Materials and specification data are subject to change without notice.
MSS-2257-05-EN | © Ammann Group

AMMANN

APPENDIX G – DUTY OF CARE WASTE TRANSFER NOTES

	CONTROLLED DUTY OF CARE WASTE TRANSFER NOTE	FORM E10 REV B

DUTY OF CARE: CONTROLLED WASTE TRANSFER NOTE

A — Description of the waste

1 Description of the waste being transferred: General Waste

List of Waste Regulations code(s): 17 09 04

2 How is the waste contained? ☐ Loose ☐ Sacks ☑ Skip ☐ Drum ☐ Other (specify)

3 How much waste? For example, number of sacks, weight

4 Analysis ~~attached / not attached / sent separately~~ (delete as appropriate)

B — Producer / holder of the waste

Current holder of the waste – Transferor: *By signing in Section D or F below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011* Yes ☑

1 Full name (print): THOMAS MAGEE

2 Company name, address and postcode: C.W.I AND REMEDIATION, GROSVENOR HOUSE, 3 CHAPEL ST. CONGLETON, CHESHIRE, CW12 4AB 3 SIC code (2007): 39000

4 Which of the following are you? (please tick one or more boxes)

A ☑ Waste producer ☐ Waste importer ☐ Collection/Disposal authority ☐ Broker

B ☐ Env Permit holder (ref number): ☐ Registered waste carrier (ref number):

C ☐ Waste exemption holder (exemption registration number):

☐ Exempt from carrier registration (give reason):

C — Carrier of the waste

1 Full name (print):

2 Company name, address and postcode: PP O'CONNOR ENVIRO LTD., SHARSTON RECYCLING YARD, LONGLEY LN., SHARSTON, MANCHESTER M22 4SS SIC code (2007): 38110

4 Which of the following are you? (tick one box)

A ☐ Waste collection authority

B ☑ Registered waste carrier (ref number): CBDU101751

C ☐ Exempt from carrier registration (give reason):

D — First transfer (holder to carrier)

1 Place of transfer: WELCOMB ST, MANCHESTER M11 2NJ Date of transfer: 06/05/25 - 05/05/26

3 Time(s) of transfer: (for multiple transfers give date range) Contract No:

4 Name and address of broker arranging transfer (if applicable): N/A

5 Holder's representatives	Carrier's representatives
Name: TOM MAGEE	Name (print):
Signed: [redacted]	Signed:

E — Disposer / recoverer of the waste

1 Full name (print):

2 Company name, address and postcode: PP O'CONNOR ENVIRO LTD., THE OLD RAILWAY STN, LONGLEY LN, SHARSTON, MANCHESTER, M22 4RQ

3 Which of the following are you? (tick one box)

☑ Holder of an Environmental Permit (ref number): EPR/AB3205FD/001

☐ Holder of a valid waste exemption (ref number):

F — Second transfer (carrier to disposer / recoverer)

1 Place of transfer: M22 4RR 2 Date of transfer: 06/05/25 - 05/05/26

3 Time(s) of transfer: (for multiple transfers give date range) Contract No:

4 Name and address of broker arranging transfer (if applicable): N/A

5 Holder's representatives	Disposer's / Recoverer's representatives
Name (print): TOM MAGEE	Name (print):
Signed: [redacted]	Signed:

Producer's / Holder's Copy

This note must be retained by you and held for at least two years (or longer period specified in your Environmental Permit) from the date of the last transfer to which this note applies.

CONTROLLED DUTY OF CARE WASTE TRANSFER NOTE

FORM E10
REV B

DUTY OF CARE: CONTROLLED WASTE TRANSFER NOTE

A — Description of the waste

1 Description of the waste being transferred: Non hazardous soil & stones

List of Waste Regulations code(s): 1 7 0 5 0 4

2 How is the waste contained? ☐ Loose ☐ Sacks ☐ Skip ☐ Drum ☑ Other (specify) 20T wagon

3 How much waste? For example, number of sacks, weight: 3800 m³

4 ~~Analysis attached / not attached~~ / **sent separately** (delete as appropriate)

B — Producer / holder of the waste

Current holder of the waste – Transferor: *By signing in Section D or F below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011* Yes ☑

1 Full name (print): Thomas David Magee

2 Company name, address and postcode: Civil & Remediation, Grosvenor House 3 Chapel St., Congleton, Cheshire, CW12 4AB

3 SIC code (2007): 3 9 0 0 0

4 Which of the following are you? (please tick one or more boxes)

A ☑ Waste producer ☐ Waste importer ☐ Collection/Disposal authority ☐ Broker

B ☐ Env Permit holder (ref number): ☐ Registered waste carrier (ref number):

C ☐ Waste exemption holder (exemption registration number):

☐ Exempt from carrier registration (give reason):

C — Carrier of the waste

1 Full name (print): DONNA BENTLEY

2 Company name, address and postcode: Utility Recycling North West Ltd, Sandford House, Sandford La, Manchester, M19 3BT

3 SIC code (2007): 8 2 9 9 0

4 Which of the following are you? (tick one box)

A ☐ Waste collection authority

B ☑ Registered waste carrier (ref number): CBDU309588

C ☐ Exempt from carrier registration (give reason):

D — First transfer (holder to carrier)

1 Place of transfer: M11 4AA 2 Date of transfer: 26/08/24 - 25/08/25

3 Time(s) of transfer: AS D2 Contract No: C325-LPO-022

(for multiple transfers give date range)

4 Name and address of broker arranging transfer (if applicable): N/A

5 Holder's representatives

Name (print): Tom Magee

Sign [redacted]

Carrier's representatives

Name (print): DONNA BENTLEY

Signed [redacted]

E — Disposer / recoverer of the waste

1 Full name (print): DONNA BENTLEY

2 Company name, address and postcode: UTILITY RECYCLING NORTH WEST LTD SANDFOLD HOUSE, SANDFOLD LANE, MANCHESTER. M19 3BT.

3 Which of the following are you? (tick one box)

☑ Holder of an Environmental Permit (ref number): EPR/KB3105KT

☐ Holder of a valid waste exemption (ref number):

F — Second transfer (carrier to disposer / recoverer)

1 Place of transfer: Utility Recycling North West 2 Date of transfer: 26/08/24 - 25/08/25

3 Time(s) of transfer: AS F2 Contract No:

(for multiple transfers give date range)

4 Name and address of broker arranging transfer (if applicable):

5 Holder's representatives

Name (print): Tom Magee

Signed: [redacted]

Disposer's / Recoverer's representatives

Name (print): DONNA BENTLEY URNW LTD

Signed: [redacted]

Producer's / Holder's Copy

This note must be retained by you and held for at least two years (or longer period specified in your Environmental Permit) from the date of the last transfer to which this note applies.

CONTROLLED DUTY OF CARE WASTE TRANSFER NOTE

FORM E10
REV B

DUTY OF CARE: CONTROLLED WASTE TRANSFER NOTE

A Description of the waste

1 Description of the waste being transferred: MIXED METALS FROM DEMOLITION/A CONSTRUCTION

List of Waste Regulations code(s): 17 04 07

2 How is the waste contained? ☐ Loose ☐ Sacks ☑ Skip ☐ Drum ☐ Other (specify)

3 How much waste? For example, number of sacks, weight

4 Analysis attached / not attached / sent separately (delete as appropriate)

B Producer / holder of the waste

Current holder of the waste – Transferor: *By signing in Section D or F below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011* Yes ☑

1 Full name (print): Tom Magee

2 Company name, address and postcode: CIVILX REMEDIATION, GROSVENOR HOUSE, 3 CHAPEL ST, CONGLETON, CHESHIRE, CW12 4AB 3 SIC code (2007): 39000

4 Which of the following are you? (please tick one or more boxes)

A ☑ Waste producer ☐ Waste importer ☐ Collection/Disposal authority ☐ Broker

B ☐ Env Permit holder (ref number): ☐ Registered waste carrier (ref number):

C ☐ Waste exemption holder (exemption registration number):

☐ Exempt from carrier registration (give reason):

C Carrier of the waste

1 Full name (print): FRANCESCA HIGGINS

2 Company name, address and postcode: EMR, SALFORD, M5 4DY

3 SIC code (2007): 38321

4 Which of the following are you? (tick one box)

A ☐ Waste collection authority

B ☑ Registered waste carrier (ref number): CBDU188448

C ☐ Exempt from carrier registration (give reason):

D First transfer (holder to carrier)

1 Place of transfer: M11 2NB 2 Date of transfer: 15/06/25 - 14/06/26

3 Time(s) of transfer: Contract No: C332

(for multiple transfers give date range)

4 Name and address of broker arranging transfer (if applicable):

5 Holder's representatives

Name (print): Tom Magee

Signed: [redacted]

Carrier's representatives

Name (print): Francesca Higgins

Signed: [redacted]

E Disposer / recoverer of the waste

1 Full name (print): FRANCESCA HIGGINS

2 Company name, address and postcode: AS carrier

3 Which of the following are you? (tick one box)

☑ Holder of an Environmental Permit (ref number): EPR/LP0355S

☐ Holder of a valid waste exemption (ref number):

F Second transfer (carrier to disposer / recoverer)

1 Place of transfer: EMR SALFORD M5 4DY 2 Date of transfer: 15/06/25 - 14/06/26

3 Time(s) of transfer: Contract No:

(for multiple transfers give date range)

4 Name and address of broker arranging transfer (if applicable):

5 Holder's representatives

Name (print): TOM MAGEE

Signed: [redacted]

Disposer's / Recoverer's representatives

Name (print): Francesca Higgins

Signed: [redacted]

Producer's / Holder's Copy

This note must be retained by you and held for at least two years (or longer period specified in your Environmental Permit) from the date of the last transfer to which this note applies.

REF: SIGBRAIDD1

BRAIDWOOD
DON'T BE LATE IN THE MORNING

Ticket Number: 89227

Roy Braidwood & Sons Transport Limited
Worsley Trading Estate
Lester Road
Little Hulton
Manchester
M38 0PT

Tel 0161 799 3801
E Mail matthew@braidwood.info

Details

Collect From

VEOLIA,
WHITEMOSS LANDFILL EXPANSION (GREENFIELD),
WHITEMOSS LANDFILL,
WHITE MOSS ROAD SOUTH,
SKELMERSDALE,
WN8 9TH

Contact

Tel

Deliver To

CIVILS AND REMEDIATION
CITY WORKS
MEDLOCK COURT
OPENSHAW

M11 2NB

Contact

Tel

Customer: CIVILS & REMEDIATION LTD

Registration: W200RBS

Driver: MALCOLM WARING

Products: CLASS 2C COHESIVE FILL

Weight: 19420

Reference

Job Type AGG

Signed By:

Signature:

Signed By: Aron

Signature:



Signed On: **Signed At:**

Departed On: **Departed At:**

Signed On: 08/08/2025 **Signed At:** 0921

Departed On: **Departed At:**

Hazardous Waste (England & Wales) Regulations 2005
Consignment Note: Consignee/Carrier/Consignor Copy

PART A Notification Details

1 Consignment note code:
WELCOM/00001

2 The waste described below is to be removed from:
FORMER MANCHESTER SCHOOL OF BUILDING, WELCOMB STREET, OPENSHAW, MANCHESTER, M11 2NJ

3. Premise code:
WELCOM

4 The waste will be taken to:
NRS MERIDEN AGGREGATES LTD – CORNETS END LANE, MERIDEN, SOLIHULL, CV7 7LH
PERMIT REFERENCE: EPR/HB3802HF/V003

5 The waste producer was (if different from A2):
CIVIL AND REMEDIATION LTD.
GROSVENOR HOUSE, 3 CHAPEL ST., CONGLETON, CHESHIRE, CW12 4AB

PART B Description of the waste

If continuation sheet used, tick here

1 The process giving rise to the waste(s) was: EXCAVATION ARISINGS

2 SIC for the process giving rise to the waste : 41.20/1

Description of waste	EWC Code	Qty	Chemical Component		Physical form	Hazard code	Container size, type, number
			Component	Concentration			
CONSTRUCTION MATERIALS CONTAINING ASBESTOS	170605	18T	ASBESTOS HC ODOUR	>0.1%	SOLID	HP5 HP7 HP11 HP14	8W TIPPER

Additional carriage information

EWC Code	Packing group	UN Number	Proper shipping name	UN Class(es)	Special handling requirements
170605	N/A	N/A	N/A	N/A	PPE

PART C Carrier's declaration

I certify that today I collected the consignment and that the details in A2, A4 & B3 are correct and I have been advised of any specific handling requirements.

Carrier name: COLESHILL TIPPER SERVICES CBDU394949

On Behalf of: DHI Excavations Ltd – 11-13 Church Street, Farnworth, Bolton, BL4 8AG. WCL: CBDU181466

Carriers Registration No: CBDU538423

[redacted]

Date: 26/09/2025 Time: 7.50 AM.

PART D Consignor's declartion

I certify that the information above is correct, that the carrier is registered or exempt and was advised of any special handling requirements. All of the waste is labelled and packaged correctly. I have fulfilled our duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Consignors name:

On Behalf of:
CIVIL AND REMEDIATION LTD.
GROSVENOR HOUSE, 3 CHAPEL ST., CONGLETON, CHESHIRE, CW12 4AB

Signature: [redacted]

Date: 26/09/2025 Time: 7.52

PART E Consignee's Certificate

Individual EWC Code(s) received	Quantity of each EWC code received (kg)	EWC code Accepted/Rejected	Waste Management operation (R or D code)
170605	12300	A	R13

I received this waste at the address given in A4 on: 26/9/25 at 12.29.

Vehicle registration no: T200 CTS

On behalf of (name, address, postcode): NRS Environmental Meriden Park- Site 7 Cornets End Lane CV7 7LG [redacted]

Where waste is rejected please provide details:

I certify that waste management licence/permit/authorised exemption no(s). HB3802HF authorises the maangement of waste described in B at the address given in A4.

Signature [redacted] Date: 26/9/25 Time: 12.29.

Group of Companies

NRS Environmental Services

Meriden Park
Cornets End Lane
Meriden
CV7 7LG

Weighbridge Ticket
52704

NRS Job No
89560

Office Copy

Date 26/09/2025

Time 10:27

Account DHIE01

Name DHI Excavations Limited

PO No

Delivered From
Former Manchester School of Building, Welcomb Street, Openshaw, Manchester, M11 2NJ

Delivered to NRS Environmental Services
Meriden Park
Cornets End Lane
Meriden
CV7 7LG

Haulier
Coleshill Tipper Services Ltd

Registration
T200CTS

Material Description
17 06 05*
construction materials containing asbestos

Tare Weight	Gross Weight	Nett Weight
12640	31440	18800

Received By

D Bee

Customer Signature

[redacted]

Remarks

REF: SIGBRAIDD1

BRAIDWOOD
DON'T BE LATE IN THE MORNING

Ticket Number: 89228

Roy Braidwood & Sons Transport Limited
Worsley Trading Estate
Lester Road
Little Hulton
Manchester
M38 0PT

Tel 0161 799 3801
E Mail matthew@braidwood.info

Details

Collect From

Contact

Tel

Deliver To

CIVILS AND REMEDIATION
CITY WORKS
MEDLOCK COURT
OPENSHAW

M11 2NB

Contact

Tel

Customer: CIVILS & REMEDIATION LTD

Registration: W300RBS

Driver: JOHN JERSTICE

Products: CLASS 2C COHESIVE FILL

Weight: 19840

Reference

Job Type AGG

Signed By:

Signature:

Signed By: Jack Rowley

Signature: [redacted]

Signed On: **Signed At:**

Departed On: **Departed At:**

Signed On: 08/08/2025 **Signed At:** 0914

Departed On: 08/08/2025 **Departed At:** 0921

APPENDIX H – WEEKLY ENVIRONMENTAL REPORT

f

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN



City Works 4

Weekly Environmental Report, No. 01

Civil and Remediation Ltd.

C332/WER/001/01

November 2023

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	02/06/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 1

Report Reference: C332/WER/001/01

Revision Number: 001

Issue Date: 02nd June 2025

Author: Tom Magee BSc (Hons) FGS MCIWEM (Geoenvironmental Manager, C&R: Environmental Ltd.)

Checked By: Aron Rowley (Project Engineer, C&R Ltd.)

Approved By: Jack Rowley FCICES MIVM (Managing Director, C&R Ltd)

Client: Network Space,
Centrix House,
26 Crow Lane East,
Newton-le-Willows,
WA12 9UY

Principal Contractor: Bansco,
Pure House,
Bridge Street,
Horwich,
Bolton,
BL6 7BT

Remediation Contractor: Civil and Remediation Ltd.,
Grosvenor House
3 Chapel Street
Congleton
Cheshire
CW12 4AB

Contents

1.0 Week 01 Scope of Works Undertaken 1
2.0 Week 02 Forecast Works Anticipated 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 3
5.0 Remediation, Earthworks and Geotechnics 4
5.1 Site Works 4
5.2 Geotechnical Results 4
6.0 Any Other Business 4
6.1 Site Visits, Attendances & Outcomes 4
6.2 Complaints and Resolution Actions Completed 4
6.3 Health, Safety and Welfare 4
6.4 Long Lead In/ Early Warning Record 5
6.5 Other Technical Items of Note 5
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD
APPENDIX D – Geotechnical Results

1.0 Week 01 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 27/05/25 to 30/05/25 (Week 01) were (as agreed in Phase 2 phasing drawings issued 07/05/25):

- Establishment of environmental monitoring (Noise, Dust and Vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Instructed Additional Works fencing the site along the western & norther boundary and site compound, over and above the already installed additional fencing;
- Measured Works breaking out & removing slabs & aspahlt under the WRAP Protocol in accordance with C&Rs agreed documents & phasing drawings to stock in anticipation of the production of recycled aggregates;
- Movement of 6F2 stockpile to facilitate works in accordance with C&Rs phasing drawings;
- Additional Works removal of existing fencing to facilitate remediation to the site boundary (western side of the site). Fence panels stored for reuse as Instructed by Bansco;
- Additional works upgrade of generator to facilitate the Bansco additional cabin;
- Backfilling of stats trial pits in accordance NJUG standards, including Additional Works trial pits, with sand and tape as appropriate;
- Dust suppression to manage dust liberation on site; and,
- Additional works trial pitting for cast iron pipe as discussed and agreed with Bansco and the Client team.

2.0 Week 02 Forecast Works Anticipated

The anticipated works in Week 02 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;
- Continuation of breakout works under the WRAP protocol;
- Excavation of potential TPH impacted soils noted during the GAP geotechnical site investigation for further inspection (progress permitting); and,

- Continued Additional investigation into the cast iron main to locate ends and localities.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	69.7	89.2	N	One peak exceedance.
NM2	North east	66.8	84.9	N	No exceedances.
NM3	South east	63.5	85.9	N	One peak exceedance.
NM4	West	58.3	70.3	N	No exceedances.

Two minor exceedances were recorded during Week 01 at monitoring locations NM1 and NM3. These exceedances are associated with the breakout works. The methods used for these works have been reviewed: as the site is fully covered by hardstanding, breakout works near the site boundary are being minimised in situ and further processed ex situ in stockpiles to reduce noise impact. No additional measures are reasonably practicable to further reduce noise, and these isolated activities are considered to present the highest risk for noise pollution on site. However, the current exceedances are minor and within acceptable limits for this phase of works.

3.2 Vibration Monitoring

Vibration monitoring was not undertaken during Week 01 because breakout works were limited to areas of very low risk for vibration impact, situated as far as practicable from sensitive site boundaries. In addition, all concrete structures and slabs were saw cut to create discontinuities prior to works commencement, significantly reducing vibration migration effectiveness and therefore, the potential for vibration propagation to adjacent structures. Under a risk based approach, the works presented negligible risk of nuisance or structural damage.

No vibration complaints or concerns were raised by stakeholders or neighbours during this period, further supporting that formal monitoring was not required under a risk-based approach consistent with best practice and local guidance.

When vibration monitoring is conducted, a summary of the measured vibration levels at each monitoring location over the reporting period shall be given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0					
Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
		1.5			
		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

The current monitoring period is ongoing from 27/05/25 – 10/06/25. Results will be provided in the Appendices for the previous period when obtained from the laboratory.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01).

4.1 Contaminated Soils & Materials

No contaminated soils or materials have been encountered during week 01.

Hotspot delineation works are scheduled to commence from week 03. This includes further investigation into potential hydrocarbons encountered at TP07 in the gap SI, with follow on delineation of VOC hotspots identified and asbestos watching brief/ hand picking exercise towards the west of the site.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 01, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

Works this week have focused on the breakout and removal to stockpile of hardstanding across the eastern portion of the site. This process is ongoing into week 02.

Additional trial pitting has been completed to delineate the cast iron main identified within the original trial pits, which has uncovered that the pipe runs in several directions across the site and is highly likely to be associated with old infrastructure for the former buildings, and therefore not in use. C&R have advised Bansco of the same.

See C332/WRD/001 in Appendix B for a full display of works complete up to 02/06/25.

5.2 Geotechnical Results

Cement stabilisation trial results are presented in Appendix D.

The results show that the ashy, granular type 1C material is naturally below OMC.

OMC is reported between 20% & 28%, with natural moisture contents at 16% to 17%.

The lowest preliminary CBR test result, undertaken using a 1.5% cement stabilisation mix and +2 OMC, indicate a K-value of approximately 84 kN/m²/mm. This suggests that the stabilised soil is performing with a stiffness indicative of supporting target bearing pressures in the order of 150 kN/m² with minimal immediate settlement in the CBR-scale test. While these results are promising, full compliance with foundation loading criteria will be confirmed via plate load testing on the stabilised area once treatment is complete below the foundation, in accordance with best practice, the ITP and Eurocode 7 settlement and bearing capacity requirements.

All other results were in excess of 100% CBR and 205 kN/m^2/mm.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Platt from Bansco has been on site overseeing the works from Tuesday to Thursday during Week 01.

The Client team visited the site Tuesday to inspect the works.

6.2 Complaints and Resolution Actions Completed

No complaints have been raised during Week 01.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 01.

C&R stood in as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation.

Note health and safety audit tomorrow 03/06/25

6.4 Long Lead In/ Early Warning Record

C&Rs Managing Director has advised that we may be standing down as of 6pm today, and traffic orders are in place to demobilise hired plant and equipment to mitigate hire costs due to the ongoing situation with the delay in the Letter of Intent issue.

6.5 Other Technical Items of Note

No other technical items of note are raised during week 01.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 1
27/05/2025 - 30/05/2025



Instructed by Bansco 27/5/25 as addtional works to facilitate commencement of main remediation works works inc installation of temp fencing to wider boundary as agreed programme



All Plant check sheets in place as C&R instructed to act as PC under supervision of Bansco on site PM until Bansco offices established



Continue breaking slab away from the sub station. building. Saw cut and trench vibration discontinuities in place



Continue loading broken slab / surface to stock pile. Processing team currently on hold



CCTV security in place as instructed around office welfare establishment



Addtional trial-pits backfilled following client team inspections see C&R AR summary drawings confirming status (low risk)



Client team NWS Design M&E plus Bansco on site inspection of works Tues 27/5/25



2 men mini digger breaker and 9t dumper stith saw small tools on dayworks locating end of cast pipe to investigate / prove redundant as instructed



Drone Photo of site as at 10am 30.05.2025

- Works commenced as agreed programme
- LofI advised to be issued outstanding (advised to continue as no risk of cancelling works)
- Local resident bussiness notified about start wrt east boundary extension / loss of car parking by on site Bansco team in advance of works and installed no complaints to date
- Valuation 1 paid 28/5/25 and Valuation 2. Submitted 23/5/25 as to proactively advise wrt current cost liability
- Noise Dust Vibration in place as agreed in WRAP and CEMP issued April

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Drawing Number C332/WRD/001 Rev A



C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Area broken out in anticipation of strip.
- Area broken out and stripped to stockpile.
- Oversized hardcore stockpiled in anticipation of production of recycled MOT (asphalt and concrete only in accordance with Clause 803 of *MCHW* Series 800).
- 6F2 stockpile moved to facilitate works to agreed phasing drawings.

Read in conjunction with Weekly Environmental Report No. 01 (C332/WER/001/01) for full breakdown of works during week 01 (Section 1.0).

Rev	Date	Description
A	02/06/25	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 01

Project Code	C322	Scale	NTS
		Date Drawn	02/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/WRD/001 Rev A



CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City 4	Project Code	C332
Client	Network Space / Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 12°c 1009mb	Wet 13°c 1007mb	Dry 13°c 1008mb
Wind • Speed? • Direction?	SW 9mph	SSW 4mph	WNW 5mph
Noise Readings	N_1: 67.7 79.0 N_2: 64.5 82.4 N_3: 61.9 77.6 N_4: 57.1 63.8 N_5: N_6: N_7:	N_1: 75.5 84.8 N_2: 72.9 82.2 N_3: 68.7 75.4 N_4: 60.3 66.6 N_5: N_6: N_7:	N_1: 69.1 78.6 N_2: 65.7 81.4 N_3: 62.5 70.0 N_4: 58.3 61.2 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	Bansco (DP) Client team	Bansco	Bansco
Monitoring • Any sampling/monitoring undertaken?	ND	ND	ND
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc	Fenc, SW	Fenc
PID Readings • Working Areas • Site Boundary • Receptors	N/A	N/A	N/A

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	AR	Signature	AR	
Day & Date	Tues 27/05	Checked by Site / Manager	[redacted]	

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City 4	Project Code	C332
Client	NWS / Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 11°C 1013mb	Dry 17°C 1018mb	Dry 17°C 1019mb
Wind • Speed? • Direction?	W 6mph	W 13mph	W 5mph
Noise Readings	N_1: 66.6 78.3 N_2: 63.2 75.7 N_3: 80.6 74.9 N_4: 56.4 63.4 N_5: N_6: N_7:	N_1: 72.8 89.2 N_2: 70.0 76.5 N_3: 66.4 77.1 N_4: 59.6 65.9 N_5: N_6: N_7:	N_1: 65.0 80.3 N_2: 74.2 80.7 N_3: 61.6 74.3 N_4: 57.8 61.1 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	Bansco	Bansco	Bansco
Monitoring • Any sampling/monitoring undertaken?	ND	ND	ND
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc	Fenc	Fenc
PID Readings • Working Areas • Site Boundary • Receptors	NA	NA	NA

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	AR	Signature	AR	
Day & Date	Wed 26/05	Checked by Site / Manager	[redacted]	

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City 4	Project Code	C332
Client	NWS / Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 14°C 1614 mb	Dry 20°C 1014mb	Dry 19°C 1615 mb
Wind • Speed? • Direction?	SW 12mph	SW 16mph	SW 12mph
Noise Readings	N_1: 65.3 78.7 N_2: N_3: 64.6 76.3 N_4: 61.9 69.9 N_5: 57.8 65.2 N_6: N_7:	N_1: 72.3 81.7 N_2: N_3: 71.2 84.9 N_4: 67.3 78.1 N_5: 60.1 66.2 N_6: N_7:	N_1: 67.8 78.0 N_2: 65.2 80.1 N_3: N_4: 62.1 79.3 N_5: 58.4 62.7 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	Bansco	Bansco	Bansco
Monitoring • Any sampling/monitoring undertaken?	ND	ND	ND
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc	Fenc	Fenc
PID Readings • Working Areas • Site Boundary • Receptors	N/A	N/A	N/A

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	AR	Signature	AR	
Day & Date	Thurs 29/05	Checked by Site / Manager	[redacted]	

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City 4	Project Code	C332
Client	NWS / Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 15°C 1016mb	Dry 18°C 1017 mb	Dry 21°C 1017 mb
Wind • Speed? • Direction?	SW 9 mph	W 9 mph	WNW 4 mph
Noise Readings	N_1: 68.4 75.3 N_2: 65.3 78.6 N_3: 62.9 77.4 N_4: 58.9 66.3 N_5: N_6: N_7:	N_1: 76.6 80.7 N_2: 73.7 84.2 N_3: 64.4 85.9 N_4: 61.6 70.3 N_5: N_6: N_7:	N_1: 70.1 80.0 N_2: 66.1 77.4 N_3: 63.9 73.5 N_4: 59.5 62.7 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	Bansco Landpac	Bansco	Bansco
Monitoring • Any sampling/monitoring undertaken?	ND	ND	ND
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc	Fenc	Fenc
PID Readings • Working Areas • Site Boundary • Receptors	N/A	N/A	N/A

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	AR	Signature	AR	
Day & Date	30/05 Fri	Checked by Site / Manager	[redacted]	

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX D – Geotechnical Results

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

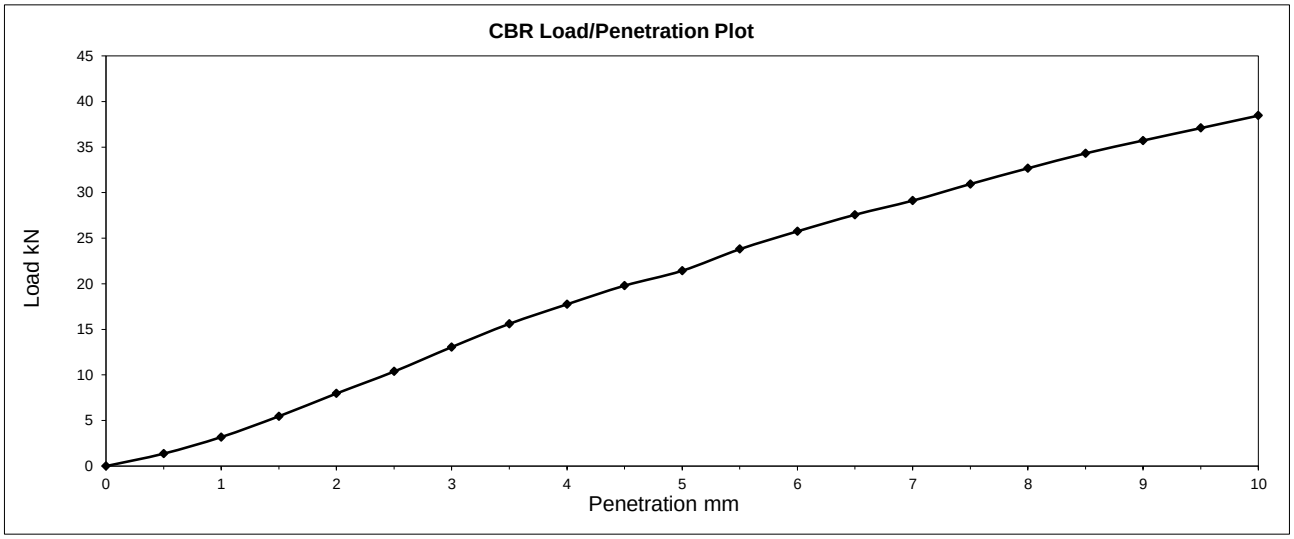
TEST REPORT

Determination of California Bearing Ratio

Report No:	TD25-C-04-A-08	Report Date:	15/05/25
Client:	Civil & Remediation	Lab Ref. No:	25/823 (-2 OMC)
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4	Client Ref*:	Design Mix - 11/04/2025
Location*:	Various TP's	Date Sampled*:	11/04/2025
Sampled By:	Client	Date Prepared:	02/05/2025
Sample Type:	Bulk	Date Tested:	13/05/2025
Sample Description:	Black Medium Gravel with Sand,Clay pockets & 1.5% Cement		

Dry density at preparation (Mg/m^3):	1.65	Type of rammer (kg):	4.5kg
Water content at preparation (%):	18	No. of layers:	5
Water content at time of test (%):	19	No. of blows/layer:	62
Age of specimen at test (Days):	7	Soaked or unsoaked:	Unsoaked
Average curing temperature (°C):	18.5	Applied surcharge (kg):	4

CBR Value % **105**



Test carried out in accordance with BS EN 13286-47:2021. Results relate only to the sample tested.

Dry Density calculated using natural moisture content. * Information supplied by client.

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

This report shall not be reproduced except in full without approval of the laboratory.

Comments: Approximate K Value (kN/m^2/mm) at 100% CBR = 205

[redacted] J. Wright (Lab Section Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

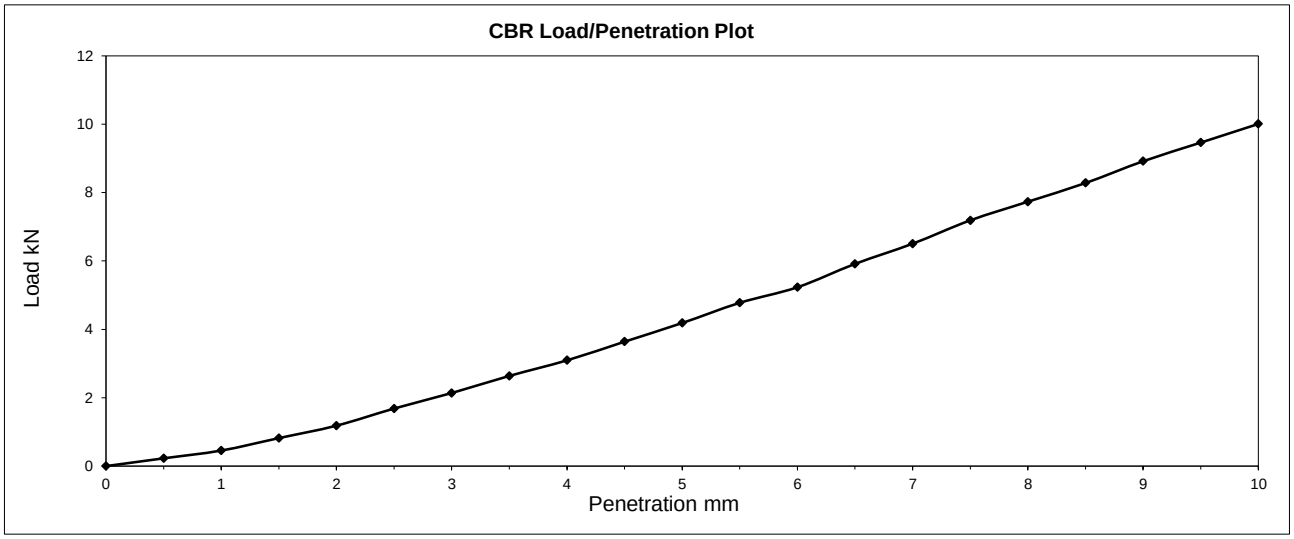
TEST REPORT

Determination of California Bearing Ratio

Report No:	TD25-C-04-A-09	Report Date:	15/05/25
Client:	Civil & Remediation	Lab Ref. No:	25/823 (+2 OMC)
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4	Client Ref*:	Design Mix - 11/04/2025
Location*:	Various TP's	Date Sampled*:	11/04/2025
Sampled By:	Client	Date Prepared:	02/05/2025
Sample Type:	Bulk	Date Tested:	13/05/2025
Sample Description:	Black Medium Gravel with Sand,Clay pockets & 1.5% Cement		

Dry density at preparation (Mg/m^3):	1.53	Type of rammer (kg):	4.5kg
Water content at preparation (%):	23	No. of layers:	5
Water content at time of test (%):	22	No. of blows/layer:	62
Age of specimen at test (Days):	7	Soaked or unsoaked:	Unsoaked
Average curing temperature (°C):	20	Applied surcharge (kg):	4

CBR Value % **21**



Test carried out in accordance with BS EN 13286-47:2021. Results relate only to the sample tested.

Dry Density calculated using natural moisture content. * Information supplied by client.

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

This report shall not be reproduced except in full without approval of the laboratory.

Comments: Approximate K Value (kN/m^2/mm) at 21% CBR = 84

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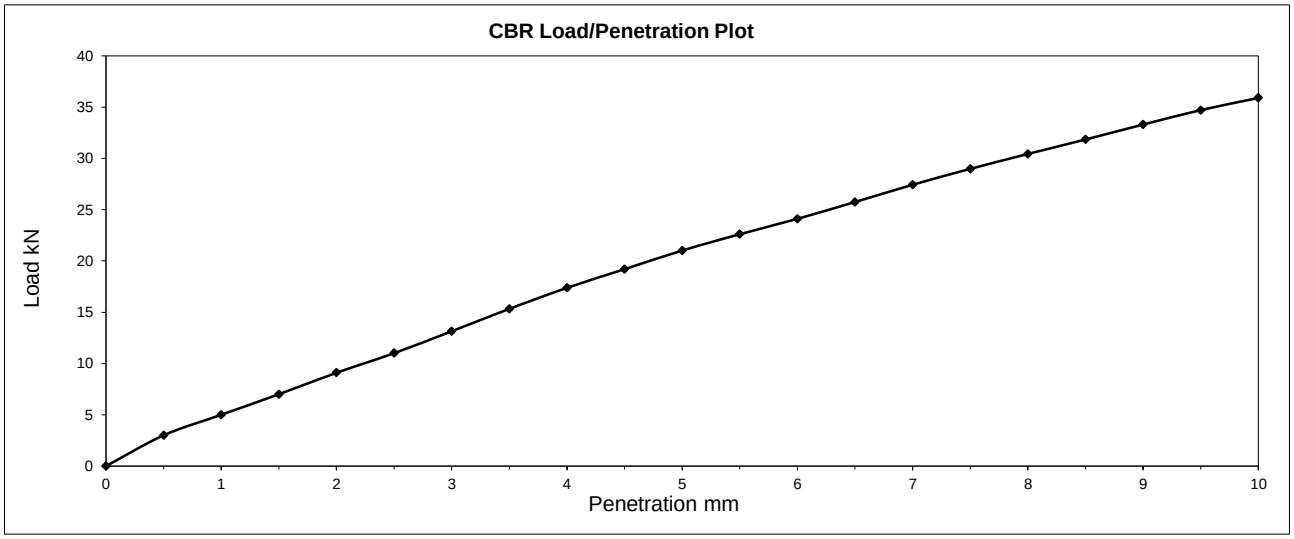
TEST REPORT

Determination of California Bearing Ratio

Report No:	TD25-C-04-A-11	Report Date:	15/05/25
Client:	Civil & Remediation	Lab Ref. No:	25/823 (+2 OMC)
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4	Client Ref*:	Design Mix - 11/04/2025
Location*:	Various TP's	Date Sampled*:	11/04/2025
Sampled By:	Client	Date Prepared:	29/04/2025
Sample Type:	Bulk	Date Tested:	13/05/2025
Sample Description:	Black Medium Gravel with Sand,Clay pockets & 3% Cement		

Dry density at preparation (Mg/m^3):	1.59	Type of rammer (kg):	4.5kg
Water content at preparation (%):	22	No. of layers:	5
Water content at time of test (%):	22	No. of blows/layer:	62
Age of specimen at test (Days):	7	Soaked or unsoaked:	Unsoaked
Average curing temperature (°C):	19.5	Applied surcharge (kg):	4

CBR Value % **105**



Test carried out in accordance with BS EN 13286-47:2021. Results relate only to the sample tested.

Dry Density calculated using natural moisture content. * Information supplied by client.

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

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Comments: Approximate K Value (kN/m^2/mm) at 100% CBR = 205

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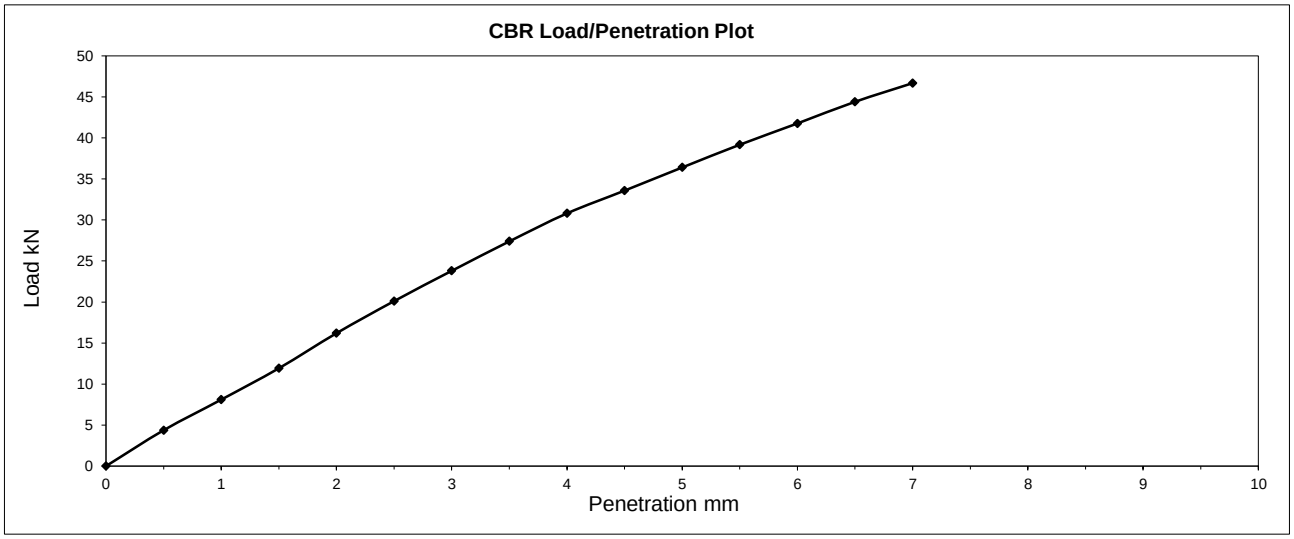
TEST REPORT

Determination of California Bearing Ratio

Report No:	TD25-C-04-A-10	Report Date:	15/05/25
Client:	Civil & Remediation	Lab Ref. No:	25/823 (-2 OMC)
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4	Client Ref*:	Design Mix - 11/04/2025
Location*:	Various TP's	Date Sampled*:	11/04/2025
Sampled By:	Client	Date Prepared:	29/04/2025
Sample Type:	Bulk	Date Tested:	13/05/2025
Sample Description:	Black Medium Gravel with Sand,Clay pockets & 3% Cement		

Dry density at preparation (Mg/m^3):	1.66	Type of rammer (kg):	4.5kg
Water content at preparation (%):	17	No. of layers:	5
Water content at time of test (%):	17	No. of blows/layer:	62
Age of specimen at test (Days):	7	Soaked or unsoaked:	Unsoaked
Average curing temperature (°C):	20	Applied surcharge (kg):	4

CBR Value % **180**



Test carried out in accordance with BS EN 13286-47:2021. Results relate only to the sample tested.

Dry Density calculated using natural moisture content. * Information supplied by client.

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

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Comments: Test aborted at 7.00mm due to reaching maximum divisions on load ring
Approximate K Value (kN/m^c/mm) at 100% CBR = 205

Signed [redacted]

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TEST REPORT

Determination of Moisture Content to BS 1377-2:1990

Report No:	TD25-C-04-A-01	Report Date:	30/04/2025
Client:	Civil & Remediation	Date Sampled*:	11/04/2025
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB	Sampled By:	Client
Site:	City 4	Date Received:	11/04/2025
Supplier/Source:	Client / Trial Pit	Date Tested:	28/04/2025

Laboratory Reference	Client Reference*	Sample Location*	Material Description	Moisture Content %	Remarks
25/823	Design Mix - 11/04/2025	Various TP's	Black Medium Gravel + Sand & Clay pockets with 1.5% Cement	16	-

Certified that the testing was conducted in accordance with BS 1377-2:1990 Clause 3.2 at 105˚C unless stated

Sample preparation in accordance with BS 1377-1:2016

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signed: [redacted]	T. Robinson (Technical Manager)

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TEST REPORT

Determination of Moisture Content to BS 1377-2:1990

Report No:	TD25-C-04-A-02	Report Date:	30/04/2025
Client:	Civil & Remediation	Date Sampled*:	11/04/2025
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB	Sampled By:	Client
Site:	City 4	Date Received:	11/04/2025
Supplier/Source:	Client / Trial Pit	Date Tested:	28/04/2025

Laboratory Reference	Client Reference*	Sample Location*	Material Description	Moisture Content %	Remarks
25/823	Design Mix - 11/04/2025	Various TP's	Black Medium Gravel + Sand & Clay pockets with 3% Cement	17	-

Certified that the testing was conducted in accordance with BS 1377-2:1990 Clause 3.2 at 105˚C unless stated

Sample preparation in accordance with BS 1377-1:2016

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signed: [redacted]

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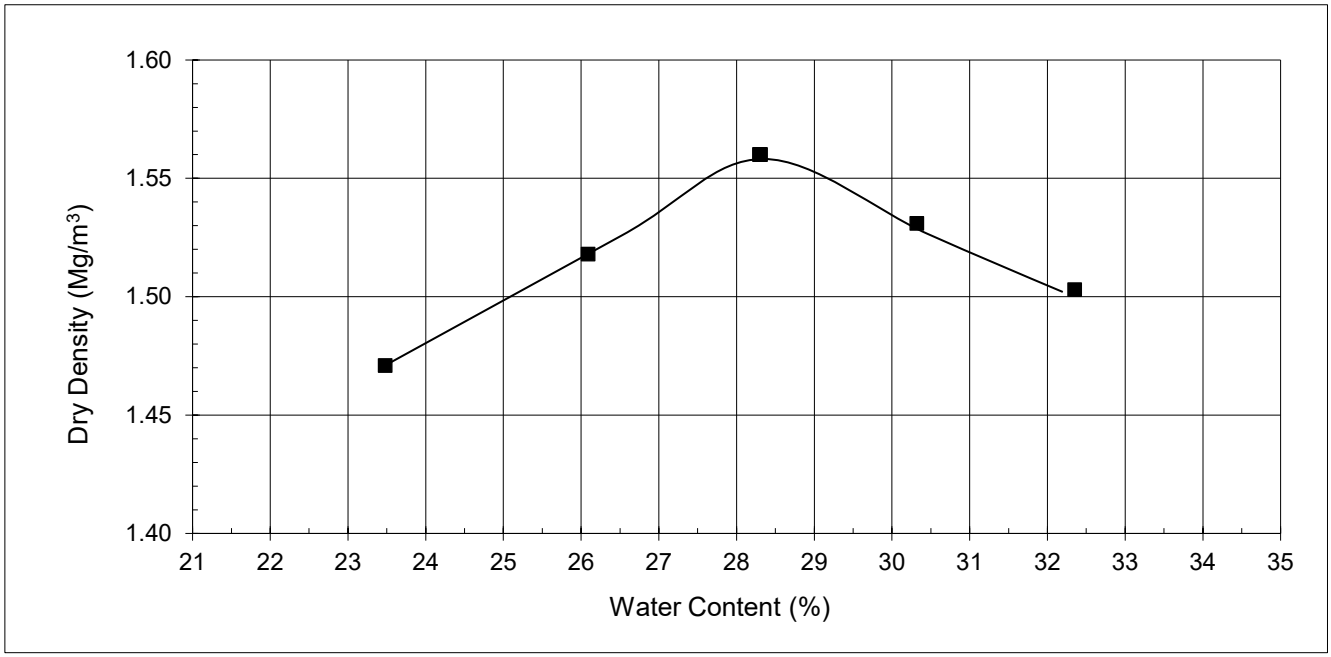
TEST REPORT

CONSTRUCTION TESTING

Determination of Reference Density and Water Content - Proctor Compaction

Report No.:	TD25-C-04-A-03	Date Reported:	30/04/2025
Client:	Civil & Remediation		
Client Address:	Cheshire, CW12 4AB		
Site:	City 4	Lab Ref:	25/823
Location*:	Various TP's	Client Ref*:	11/04/2025
Sample Description:	Black Medium Gravel + Sand & Clay Pockets with 3% Cement	Sampled By:	Client
Material Source*:	Client / Trial Pit	Date Sampled*:	11/04/2025
Amount Retained on 63mm Sieve %:	0	Date Received:	11/04/2025
Amount Retained on 31.5mm Sieve%:	7	Date Tested:	28/04/2025
Amount Retained on 16mm Sieve%:	24	Preparation Procedure:	6.5.2
Particle Density Mg/m^3:	N/A	Rammer Type:	4.5kg

Optimum Water Content (%): 28
Maximum Dry Density (Mg/m^3): 1.56



Deviations/Comments:

Certified that the test was carried out in accordance with BS EN 13286-2:2010.
Particle Density not requested therefore Air Void Lines have not been plotted.
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
This report shall not be reproduced except in full without approval of the laboratory.
Results relate only to the sample tested.
* Information supplied by client.

Signed: [redacted]

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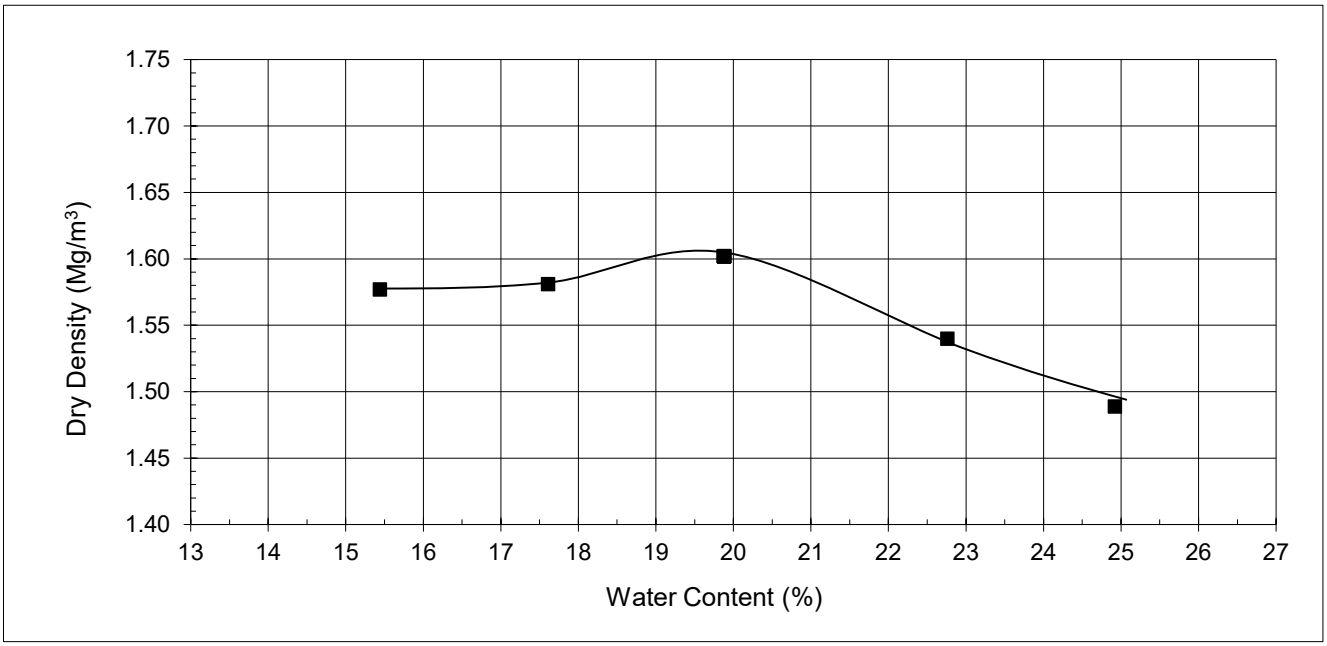
CONSTRUCTION TESTING

TEST REPORT

Determination of Reference Density and Water Content - Proctor Compaction

Report No.:	TD25-C-04-A-05	Date Reported:	01/05/2025
Client:	Civil & Remediation		
Client Address:	Cheshire, CW12 4AB		
Site:	City 4	Lab Ref:	25/823
Location*:	Various TP's	Ref*:	11/04/2025
Sample Description:	Black Medium Gravel + Sand & Clay Pockets with 1.5% Cemen	Sampled By:	Client
Material Source*:	Client / Trial Pit	Date Sampled*:	11/04/2025
Amount Retained on 63mm Sieve %:	0	Date Received:	11/04/2025
Amount Retained on 31.5mm Sieve%:	5	Date Tested:	28/04/2025
Amount Retained on 16mm Sieve%:	14	Preparation Procedure:	6.5.2
Particle Density Mg/m^3:	N/A	Rammer Type:	4.5kg

Optimum Water Content (%): 20
Maximum Dry Density (Mg/m^3): 1.60



Deviations/Comments:

Certified that the test was carried out in accordance with BS EN 13286-2:2010.
Particle Density not requested therefore Air Void Lines have not been plotted.
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
This report shall not be reproduced except in full without approval of the laboratory.
Results relate only to the sample tested.
* Information supplied by client.

Signed: [redacted]

T. Robinson (Technical Manager)

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN



City Works 4

Weekly Environmental Report, No. 02

Civil and Remediation Ltd.

C332/WER/001/02

June 2024

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	09/06/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 1

Report Reference: C332/WER/001/02

Revision Number: 001

Issue Date: 09th June 2025

Author: Tom Magee BSc (Hons) FGS MCIWEM (Geoenvironmental Manager, C&R: Environmental Ltd.)

Checked By: Aron Rowley (Project Engineer, C&R Ltd.)

Approved By: Jack Rowley FCICES MIVM (Managing Director, C&R Ltd)

Client: Network Space,
Centrix House,
26 Crow Lane East,
Newton-le-Willows,
WA12 9UY

Principal Contractor: Bansco,
Pure House,
Bridge Street,
Horwich,
Bolton,
BL6 7BT

Remediation Contractor: Civil and Remediation Ltd.,
Grosvenor House
3 Chapel Street
Congleton
Cheshire
CW12 4AB

Contents

Contents ii
1.0 Week 01 Scope of Works Undertaken 1
2.0 Week 02 Forecast Works Anticipated 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 3
5.0 Remediation, Earthworks and Geotechnics 4
5.1 Site Works 4
6.0 Any Other Business 4
6.1 Site Visits, Attendances & Outcomes 4
6.2 Complaints and Resolution Actions Completed 4
6.3 Health, Safety and Welfare 4
6.4 Long Lead In/ Early Warning Record 4
6.5 Other Technical Items of Note 5
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD

1.0 Week 01 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 02/06/25 to 06/06/25 (Week 02) were:

- Continuation of environmental monitoring (Noise, Dust and Vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Continued breaking out & removing slabs & aspahlt under the WRAP Protocol in accordance with C&Rs agreed documents & phasing drawings to stock in anticipation of the production of recycled aggregates;
- Continued movement of 6F2 stockpile to facilitate works in accordance with C&Rs phasing drawings;
- Dust suppression to manage dust liberation on site;
- Recovery of quarried MOT to stockpile for conformance testing and reuse on site;
- Removal of below ground relict foundations to stockpile to process to a recycled aggregate for reuse on site;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C fill materials for reengineering works;
- Additional Works formation of entrance from Medlock Court to facilitate welfare compound relocation;
- Additional works trial pitting to locate & survey existing petrol interceptor tank; and,
- Additional works trial pitting for cast iron pipe as discussed and agreed with Bansco and the Client team.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 02 Forecast Works Anticipated

The anticipated works in Week 02 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;
- Continuation of remediation works to remove relict foundations where required, screen materials to segregate U1 oversized hardstanding and separate Class 1C general fill materials for reengineering works;
- Excavation of potential TPH impacted soils noted during the GAP geotechnical site investigation for further inspection (progress permitting); and,
- Additional Works relocation of cabins to facilitate the works & further Instructed (09/05/25) additional works to remove and store existing site palisade boundary fencing.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	69.3	83.3	N	No exceedances.
NM2	North east	68.8	80.3	N	No exceedances.
NM3	South east	70.2	80.5	N	No exceedances.
NM4	West	57.8	71.5	N	No exceedances.

No exceedances were recorded during Week 02.

3.2 Vibration Monitoring

A summary of the measured vibration levels at each monitoring location over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0					
Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB3	South	1.5	15.9	Y	10 peak exceedances during Week 2, all lasting <10 seconds. This is associated with breakout works. All best practicable measures in place, including reduced breaking near boundary (further breaking in stockpile) and discontinuity in place. Adjacent wall in good condition as per the structural survey. Works now progressing away from location. Risk considered low.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

The current monitoring period is ongoing from 29/05/25 – 12/06/25. Results will be provided in the Appendices for the previous period when obtained from the laboratory.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01).

4.1 Contaminated Soils & Materials

No contaminated soils or materials have been encountered during week 02.

Hotspot delineation works are scheduled to commence from week 03. This includes further investigation into potential hydrocarbons encountered at TP07 in the gap SI, with follow on delineation of VOC hotspots identified and asbestos watching brief/ hand picking exercise towards the west of the site.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 02, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now completely stripped of hardstanding, save for the compound area (to be completed during Week 03).

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works have commenced with the removal of below ground obstructions and screening of materials to segregate Class 1C general fill from oversized hardstanding.

Additional trial pitting has been completed to delineate the cast iron main identified within the original trial pits, which has uncovered that the pipe runs in several directions across the site and is highly likely to be associated with old infrastructure for the former buildings. This pipe has been confirmed as dead, which has been confirmed back to Bansco.

See C332/WRD/002 in Appendix B for a full display of works complete up to 06/06/25.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Platt from Bansco has been on site overseeing the works Monday to Friday during Week 02.

Design team meeting held on site 05/06/25, with Hydrock

The Client team visited the site Tuesday to inspect the works.

6.2 Complaints and Resolution Actions Completed

No complaints have been raised during Week 02.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 02.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 03/06/25.

Note Bansco H&S Inspection Thursday 0800. No negative comments received to date.

6.4 Long Lead In/ Early Warning Record

Please note that without the formal Contract, C&R cannot place any further material or sub-contract orders due to the £150,000.00 limit on the current Letter of Intent. This may affect certain programmed elements of works.

6.5 Other Technical Items of Note

No other technical items of note are raised during week 02.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 2
02/06/25 - 06/06/25



Breakout of surface level hardstanding complete in the eastern portion of the site.



Strip of surface concrete hardstanding complete in the east of the site.



Removal of asphalt hardstanding and recovery of MOT material complete in eastern portion of the site.



Remediation of north eastern portion of the site commenced. Stiff clay at base of excavation.



Removal of relict foundations in the south of the site.



Screening of materials to segregate U1 oversized hardstanding for crushing and 1C granular materials for reengineering works.



Additional works interceptor tank trial pit exposed and surveyed. Ongoing into week 3.



Additional Instructed works entrance formation from Medlock Court for temporary office set up No. 2 ready for reestablishment on 09/06/25.



Drone progress photo as of 06/06/25 1530. See C332/WRD/001 for breakdown.

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Drawing Number C332/WRD/002

Rev A



Additional Instructed Works entrance formed from Medlock court to facilitate temporary office setup No. 2.

Additional Instructed Works interceptor tank trial pit location.

C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Area broken out and stripped to stockpile, MOT recovered seperately.
- Remediation commenced.
- Oversized hardcore stockpiled in anticipation of production of recycled MOT (asphalt and concrete only in accordance with Clause 803 of *MCHW* Series 800).
- Demolition contractor 6F2 stockpile for reuse during the works.
- Recovered quarried MOT stockpiled separately for reuse during the works.
- Site compound area. Additional Instructed works to fence off complete & provide welfare and temporary Principal Contractor duties.

Read in conjunction with Weekly Environmental Report No. 02 (C332/WER/001/02) for full breakdown of works during week 02 (Section 1.0) & phase 2 of phasing drawings.

Rev	Date	Description
A	06/06/25	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 02

Project Code C322
Scale 1: 750 (approx.)
Date Drawn 06/06/25
Drawn By TM
Reviewed By AR
Original Size A3

Drawing Number C332/WRD/002
Rev A



CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works 4	Project Code	C332
Client	NWS / Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 12°C 1017 mb	Dry 16°C 1015 mb	Dry 17°C 1010 mb
Wind • Speed? • Direction?	WNW 11mph	SW 9mph	SSW 10mph
Noise Readings	N_1: 69.8 78.5 N_2: 63.6 73.7 N_3: 66.2 70.3 N_4: 59.1 65.6 N_5: N_6: N_7:	N_1: 65.6 66.3 N_2: 72.5 80.4 N_3: 72.3 75.7 N_4: 55.9 58.3 N_5: N_6: N_7:	N_1: 73.0 79.1 N_2: 73.0 73.7 N_3: N_4: 68.0 68.8 N_5: 56.1 65.2 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP Bansco →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	N/A →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]		
Day & Date	Mon 02/06	Checked by Site / Manager			

C&R	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works 4	**Project Code**	C332
Client	NWS / Bunsco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 11°C 1000mb	Dry 17°C 1001mb	Dry 15°C 1003Mb
Wind • Speed? • Direction?	SSW 12mph	WSW 17mph	WSW 11mph
Noise Readings	N_1: 63.9 66.0 N_2: 68.0 73.5 N_3: 65.2 69.7 N_4: N_5: 61.5 67.7 N_6: N_7:	N_1: 74.1 83.3 N_2: 68.2 74.7 N_3: 72.3 80.5 N_4: N_5: 62.4 64.9 N_6: N_7:	N_1: 73.6 77.7 N_2: 68.4 77.9 N_3: 68.3 76.3 N_4: N_5: 57.0 58.4 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP Bunsco →		→
Monitoring • Any sampling/monitoring undertaken?	NOV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc →		→
PID Readings • Working Areas • Site Boundary • Receptors	N/A →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]	
Day & Date	03/06 Tues	**Checked by Site / Manager**		

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works 4	Project Code	C332
Client	NWS / Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Wet 11°C 1000mb	Wet 17°C 999 mb	Dry 15°C 1000mb
Wind • Speed? • Direction?	SSW 6mph	WNW 9 mph	WSW 7mph
Noise Readings	N_1: 66.2 73.0 N_2: 66.9 76.9 N_3: 64.3 68.3 N_4: 59.6 68.1 N_5: N_6: N_7:	N_1: 71.0 73.8 N_2: 73.8 76.3 N_3: 69.0 73.1 N_4: 62.2 68.7 N_5: N_6: N_7:	N_1: 66.7 69.3 N_2: 70.0 78.2 N_3: N_4: 68.4 70.6 N_5: 59.7 69.3 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP Bansco →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc, SW →		→
PID Readings • Working Areas • Site Boundary • Receptors	N/A →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Wed 04/06	Checked by Site / Manager		

C&R	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works 4	**Project Code**	C332
Client	NWS / Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 9°C 1003mb	Dry 17°C 1003mb	Dry 16°C 1003mb
Wind • Speed? • Direction?	WSW 10mph	WSW 18mph	SSW 9mph
Noise Readings	N_1: 63.5 67.4 N_2: 72.6 75.2 N_3: 70.2 73.7 N_4: 57.1 65.2 N_5: N_6: N_7:	N_1: 72.5 72.8 N_2: 67.6 68.4 N_3: 63.8 73.0 N_4: 57.7 64.4 N_5: N_6: N_7:	N_1: 64.8 70.6 N_2: 63.0 67.9 N_3: 69.9 77.6 N_4: 62.3 69.5 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	Hydrock, RS DP	DP Bansco →	→
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	N/A →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	JM	**Signature**	[redacted]		
Day & Date	Thurs 05/06	**Checked by Site / Manager**			

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	NWS / Barnsco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 10°C 1004mb	Dry 15°C 1006mb	Dry 14°C 1006mb
Wind • Speed? • Direction?	W 11mph	W 11mph	S 4mph
Noise Readings	N_1: 71.6 74.5 N_2: 63.9 70.3 N_3: 63.9 67.8 N_4: 63.9 67.8 N_5: 58.6 64.7 N_6: N_7:	N_1: 68.1 77.6 N_2: 73.7 76.3 N_3: N_4: 69.1 75.7 N_5: 56.4 60.2 N_6: N_7:	N_1: 71.8 80.0 N_2: 73.6 77.3 N_3: 70.8 75.8 N_4: N_5: 60.2 69.7 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP Barnsco →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence →		→
PID Readings • Working Areas • Site Boundary • Receptors	N/A →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Fri 06/06	Checked by Site / Manager		

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN



City Works 4

Weekly Environmental Report, No. 03

Civil and Remediation Ltd.

C332/WER/001/03

June 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	16/06/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 3

Report Reference: C332/WER/001/03

Revision Number: 001

Issue Date: 16th June 2025

Author: Tom Magee BSc (Hons) FGS MCIWEM (Geoenvironmental Manager, C&R: Environmental Ltd.)

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Approved By: Jack Rowley FCICES MIVM (Managing Director, C&R Ltd)

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BL6 7BT

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Congleton
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CW12 4AB

Contents

1.0 Week 03 Scope of Works Undertaken 1
2.0 Week 04 Forecast Works Anticipated 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 3
5.0 Remediation, Earthworks and Geotechnics 4
5.1 Site Works 4
5.2 Geotechnical Results 4
6.0 Any Other Business 7
6.1 Site Visits, Attendances & Outcomes 7
6.2 Complaints and Resolution Actions Completed 7
6.3 Health, Safety and Welfare 7
6.4 Long Lead In/ Early Warning Record 7
6.5 Other Technical Items of Note 7
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD

1.0 Week 03 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 09/06/25 to 13/06/25 (Week 03) were:

- Continuation of environmental monitoring (Noise, Dust and Vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Continued breaking out & removing slabs & aspahlt under the WRAP Protocol in accordance with C&Rs agreed documents & phasing drawings to stock in anticipation of the production of recycled aggregates;
- Dust suppression to manage dust liberation on site;
- Recovery of quarried MOT to stockpile for conformance testing and reuse on site;
- Removal of below ground relict foundations to stockpile to process to a recycled aggregate for reuse on site;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C/ 2C general fill materials for reengineering works;
- Reengineering of screened Made Ground materials in accordance with the *MCHW* Series 600 and associated testing in accordance with the agreed Inspection and Test Plan;
- Additional Works investigation into a potential former culvert with associated trail pitting and dewatering;
- Additional works relocation of the compound area to the western panhandle of the site; and,
- Additional works removal of palisade fencing along Medlock Court interface and storing as Instructed for future reuse.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 04 Forecast Works Anticipated

The anticipated works in Week 04 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;
- Continuation of remediation works to remove relict foundations where required, screen materials to segregate U1 oversized hardstanding and separate Class 1C general fill materials for reengineering works;
- Continuation of the reengineering works in accordance with the *MCHW* Series 600.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	74.2	84.7	N	No exceedances.
NM2	North east	72.4	83.5	N	No exceedances.
NM3	South east	69.6	80.2	N	No exceedances.
NM4	West	57.4	69.0	N	No exceedances.

No exceedances were recorded during Week 03.

3.2 Vibration Monitoring

A summary of the measured vibration levels at each monitoring location over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0					
Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB3	South	1.5	0.786	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

Results will be provided in the appendices when obtained from the laboratory.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01).

4.1 Contaminated Soils & Materials

No contaminated soils or materials have been encountered during week 03.

Hotspot delineation works are scheduled to commence from week 05. This includes further investigation into potential hydrocarbons encountered at TP07 in the gap SI, with follow on delineation of VOC hotspots identified and asbestos watching brief/ hand picking exercise towards the west of the site.

Chemical samples of general fill material, 6F2 and MOT aggregates have been collected on, and sent to the laboratory on Thursday 19th June 2025. These samples have been scheduled for testing in accordance with the requirements of the Remediation Strategy. The results and subsequent assessment will be issued within the relevant weekly report once obtained.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 03, and none is anticipated on site based on the ground investigations.

An unanticipated potential culvert has been identified on site during Week 03. Additional Works have been undertaken to delineate and dewater. See the location and photographic drawing in Appendix B for further information.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now completely stripped of hardstanding including the former compound area.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works are continuing with the removal of below ground obstructions and screening of materials to segregate Class 1C/ 2C general fill materials from oversized hardstanding.

Reengineering works are in progress to bring the site up to the required levels, which are being conducted in accordance with the Specification for Highway Works Series 600, with all in-*situ* performance testing in place and passing the required specification in accordance with the agreed Inspection and Test Plan.

Samples of recovered aggregates and fill materials have been sent to the laboratory for geotechnical testing in accordance with the agreed Inspection and Test Plan. Testing results and assessments will be provided when available.

See C332/WRD/003 in Appendix B for a full display of works complete up to 13/06/25.

5.2 Geotechnical Results

In *situ* geotechnical testing has been undertaken during the earthworks from the base of excavation and across all engineered material layers. Summary results are provided in Table 3 below, with as-builts provided in Appendix B.

Table 3 – In *Situ* Geotechnical Testing Results

Location	Depth (from OGL; m)	Test Type	Result (kPa or CBR%)
PL1 0.1	2.4	HSV	>150
PL1 0.2	2.4	HSV	145
PL1 0.3	2.4	HSV	137
PL1 1.1	2.1	Mexe	>15
PL1 1.2	2.1	Mexe	>15
PL1 1.3	2.1	Mexe	>15
PL1 2.1	1.8	Mexe	>15
PL1 2.2	1.8	Mexe	14.7
PL1 2.3	1.8	Mexe	13.3
PL1 3.1	1.5	Mexe	14.4
PL1 3.2	1.5	Mexe	>15

PL1 3.3	1.5	Mexe	13.5
PL1 4.1	1.2	Mexe	14.9
PL1 4.2	1.2	Mexe	>15
PL1 4.3	1.2	Mexe	12.7
PL1 5.1	0.9	Mexe	14.0
PL1 5.2	0.9	Mexe	14.2
PL1 5.3	0.9	Mexe	>15
PL1 6.1	0.6	Mexe	13.3
PL1 6.2	0.6	Mexe	12.2
PL1 6.3	0.6	Mexe	>15
PL2 0.1	2.4	HSV	>150
PL2 0.2	2.4	HSV	>150
PL2 0.3	2.4	HSV	>150
PL2 1.1	2.1	Mexe	12.5
PL2 1.2	2.1	Mexe	12.0
PL2 1.3	2.1	Mexe	14.1
PL2 2.1	1.8	Mexe	11.7
PL2 2.2	1.8	Mexe	13.5
PL2 2.3	1.8	Mexe	>15
PL2 3.1	1.5	Mexe	>15
PL2 3.2	1.5	Mexe	14.3
PL2 3.3	1.5	Mexe	14.6
PL2 4.1	1.2	Mexe	13.2
PL2 4.2	1.2	Mexe	13.9
PL2 4.3	1.2	Mexe	12.2
PL2 5.1	0.9	Mexe	10.2
PL2 5.2	0.9	Mexe	9.7
PL2 5.3	0.9	HSV	136
PL2 6.1	0.6	Mexe	13.0
PL2 6.2	0.6	HSV	122
PL2 6.3	0.6	Mexe	14.8
PL3 0.1	2.4	HSV	145
PL3 0.2	2.4	HSV	>150
PL3 0.3	2.4	HSV	>150
PL3 1.1	2.1	Mexe	11.4
PL3 1.2	2.1	Mexe	11.8
PL3 1.3	2.1	Mexe	10.8

PL3 2.1	1.8	Mexe	12.1
PL3 2.2	1.8	Mexe	9.7
PL3 2.3	1.8	Mexe	11.4
PL3 3.1	1.5	Mexe	10.2
PL3 3.2	1.5	Mexe	11.0
PL3 3.3	1.5	Mexe	9.4
PL3 4.1	1.2	Mexe	8.3
PL3 4.2	1.2	Mexe	9.4
PL3 4.3	1.2	Mexe	8.1
PL3 5.1	0.9	Mexe	8.9
PL3 5.2	0.9	Mexe	7.7
PL3 5.3	0.9	Mexe	7.9
PL3 6.1	0.6	Mexe	8.1
PL3 6.2	0.6	Mexe	8.5
PL3 6.3	0.6	Mexe	8.9
PL4 0.1	2.4	HSV	>150
PL4 0.2	2.4	HSV	>150
PL4 0.3	2.4	HSV	143
PL4 1.1	2.1	Mexe	6.5
PL4 1.2	2.1	Mexe	7.4
PL4 1.3	2.1	Mexe	8.0
PL4 2.1	1.8	Mexe	8.9
PL4 2.2	1.8	Mexe	7.3
PL4 2.3	1.8	Mexe	6.4
PL4 3.1	1.5	Mexe	7.9
PL4 3.2	1.5	Mexe	8.0
PL4 3.3	1.5	Mexe	6.9
PL4 4.1	1.2	Mexe	6.7
PL4 4.2	1.2	Mexe	7.5
PL4 4.3	1.2	Mexe	8.9
PL4 5.1	0.9	Mexe	11.5
PL4 5.2	0.9	Mexe	8.3
PL4 5.3	0.9	Mexe	7.2
PL4 6.1	0.6	Mexe	6.4
PL4 6.2	0.6	Mexe	7.9
PL4 6.3	0.6	Mexe	10.3

Table 3 Footnotes:

See drawings C332/ASB/ISG/001-007 in Appendix A for further location information.

All results shown in Table 3 are the average of 3 tests within any given testing locality.
All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
First number on tests denote layer. 0.x = Base of Excavation. 1.y = first layer. Second number denotes locality, shown on the As-Built drawing as previously referenced.
Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.
Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

All testing to date either meets or exceeds the performance requirements.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Platt from Bansco has been on site overseeing the works Monday to Friday during Week 03.

6.2 Complaints and Resolution Actions Completed

No complaints have been raised during Week 03.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 03.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 03/06/25.

6.4 Long Lead In/ Early Warning Record

C&R are now in receipt of the formal Contract, superseding the £150,000.00 Letter of Intent. Critical Path orders are now being placed and an updated, Revision 5 Programme is to be issued during Week 04.

6.5 Other Technical Items of Note

No other technical items of note are raised during week 03.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 3
09/06/25 - 13/06/25



Additional works compound relocation to new area to facilitate the works.



Breakout of former compound area and recovery of oversize hardstanding and stone to stock for processing and reuse.



Additional works palisade fencing removal to stock for future reuse.



Additional works fencing and making safe new compound area.





Remediation excavations and reengineering works continue in accordance with the *MCHW* Series 600.



In-*situ* testing progressing in accordance with the agreed and approved ITP. Base of excavations in stiff clay, recording hand shear vane values of 130-150+kPa. Mexeprobe readings in engineered layer achieving 12 - 15% + CBR values.



Potential relict unforseen culvert located on site. Additional works undertaken to investigate locations and dewater. See drawing C332/UFCL/001.



Drone survey photograph for works completed as of 1630 13/06/25. See C332/WRD/003 for further information.

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APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Drawing Number C332/WRD/003

Rev A

Additional Works investigation and trial pits to locate unforseen culvert including breakout and dewatering.



Additional Works palisade fencing removed and stockpiled for future reuse.

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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Former compound area broken out and stripped to stockpile, MOT recovered seperately.
- Oversized brickwork to be processed to a 6F2 specification.
- Oversized hardcore stockpiled in anticipation of production of recycled MOT (asphalt and concrete only in accordance with Clause 803 of *MCHW* Series 800).
- Demolition contractor 6F2 stockpile for reuse during the works.
- Recovered quarried MOT stockpiled separately for reuse during the works.
- Additional works compound area 2 established including perimeter fencing.
- Eastern boundary stripped, removed to 2m+ & remediated/ reengineered including shear vane, mexeprobe testing on base of excavation and layers up to completed level for Landpac.
- Completed to finished level including Base of Dig survey, shear vane and mexeprobe testing in accordance with agreed and approved ITP.
- Eastern boundary excavation complete, reengineering ongoing with associated in situ testing, 3 layers reengineered.
- Southern boundary excavation complete, testing complete and backfilled up to layer 3.

Read in conjunction with Weekly Environmental Report No. 02 (C332/WER/001/02) for full breakdown of works during week 02 (Section 1.0) & phase 2 of phasing drawings.

Rev	Date	Description
A	13/06/25	Information

Drawing Status
Information

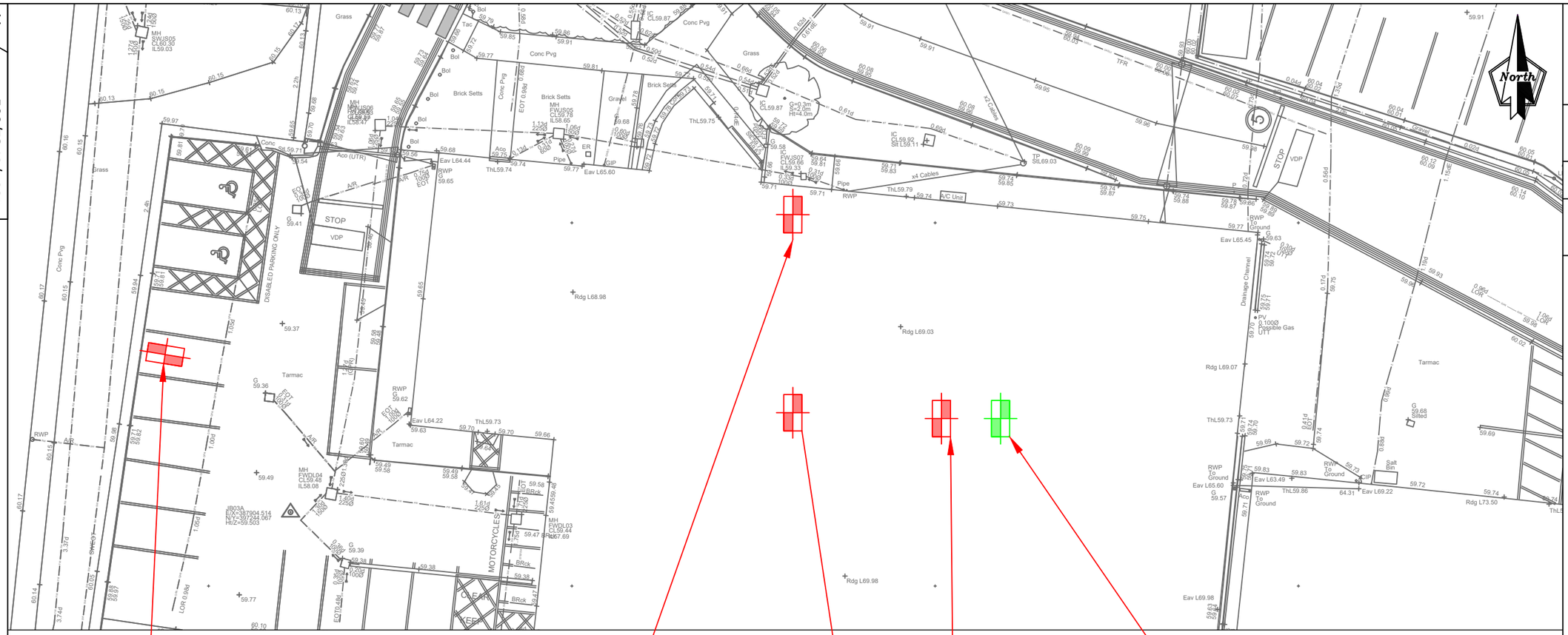
Drawing Title
Weekly Record Drawing Week 03

Project Code	C322	Scale	1: 750 (approx.)
		Date Drawn	13/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/WRD/003 Rev A

Rev A

Drawing Number C332/UFCL/001









Culvert not found in this location.











C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

Unforseen culvert located within exploratory location.

Exploratory location clear of unforseen culvert.

Preliminary estimate of volume impact:

Total volume = 531 m3
Brickwork volume = 347 m3
Void space = 184 m3

Due to site balance, brickwork will be removed during hard breakout works and crushed to a 6F2 specification. The resulting 6F2 is to be used as general fill to make up site levels.

Rev	Date	Description
A	12/06/25	Information

Drawing Status
Information

Drawing Title
Unrecorded Culvert Location

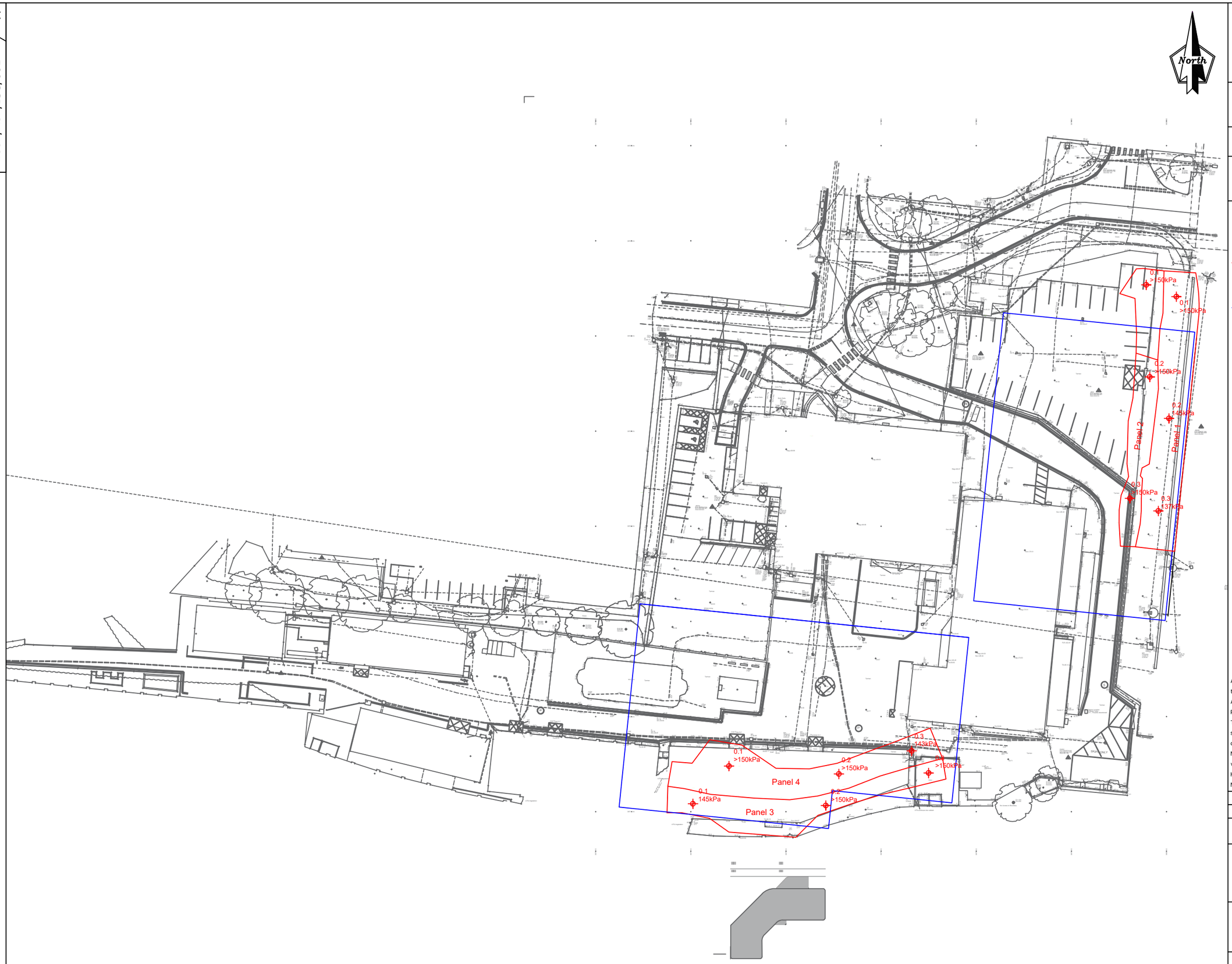
Project Code	C332	Scale	1: 250 (top)
		Date Drawn	12/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number
C332/UFCL/001

Rev
A

Drawing Number
C332/ASB/ISG/001

Rev
A



C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

Hand shear vane location

Mexeprobe location

All results shown are the average of 3 tests within any given testing locality.
All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.
Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
A	16/06/25	As-Built

Drawing Status
As-Built

Drawing Title
In-situ Geotechnical Testing
Base of Excavation

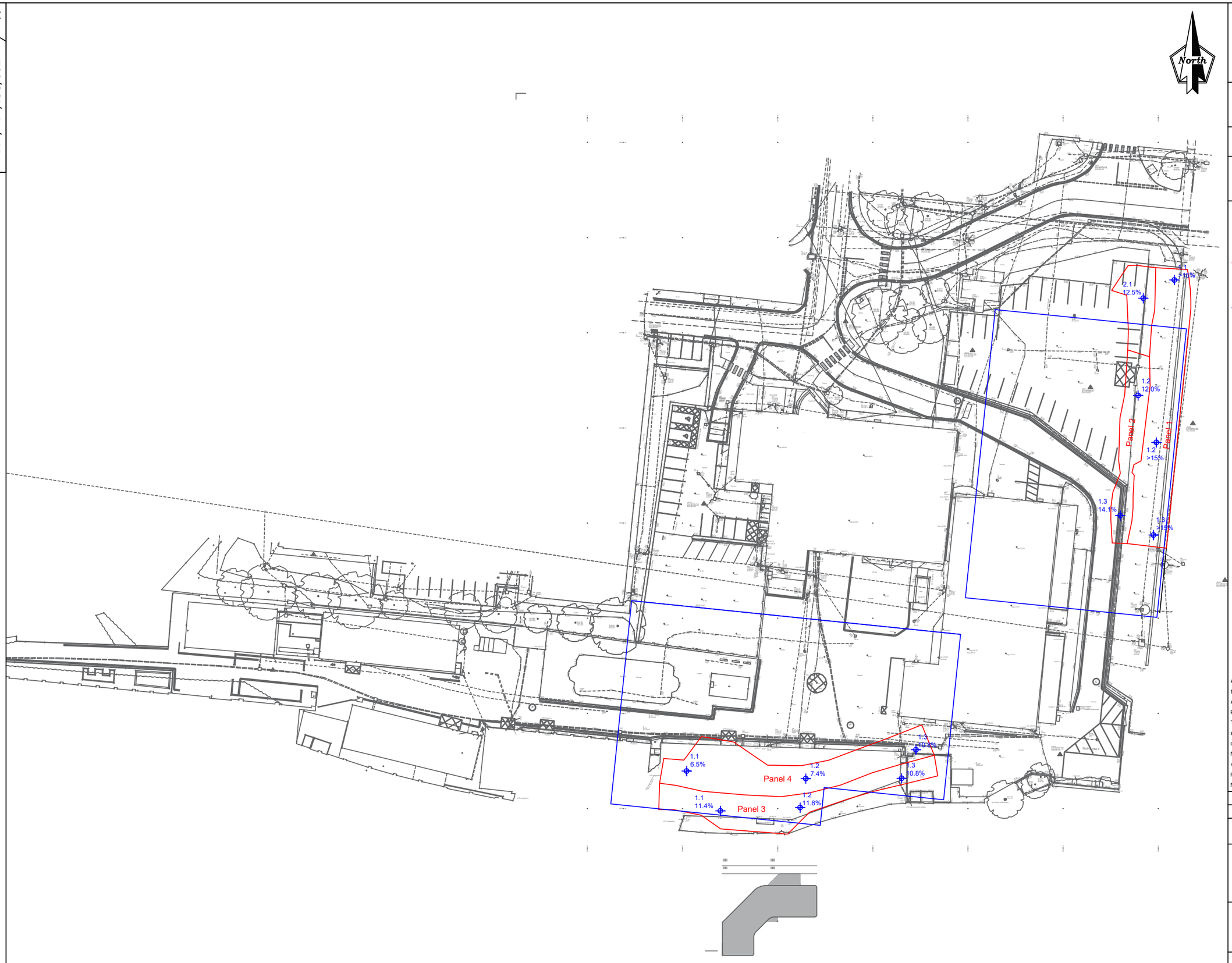
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		Date Drawn	16/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number
C332/ASB/ISG/001

Rev
A

Drawing Number C332/ASB/ISG/002

Rev A



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

All results shown are the average of 3 tests within any given testing locality.
All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
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Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
A	16/06/25	As-Built

Drawing Status
As-Built

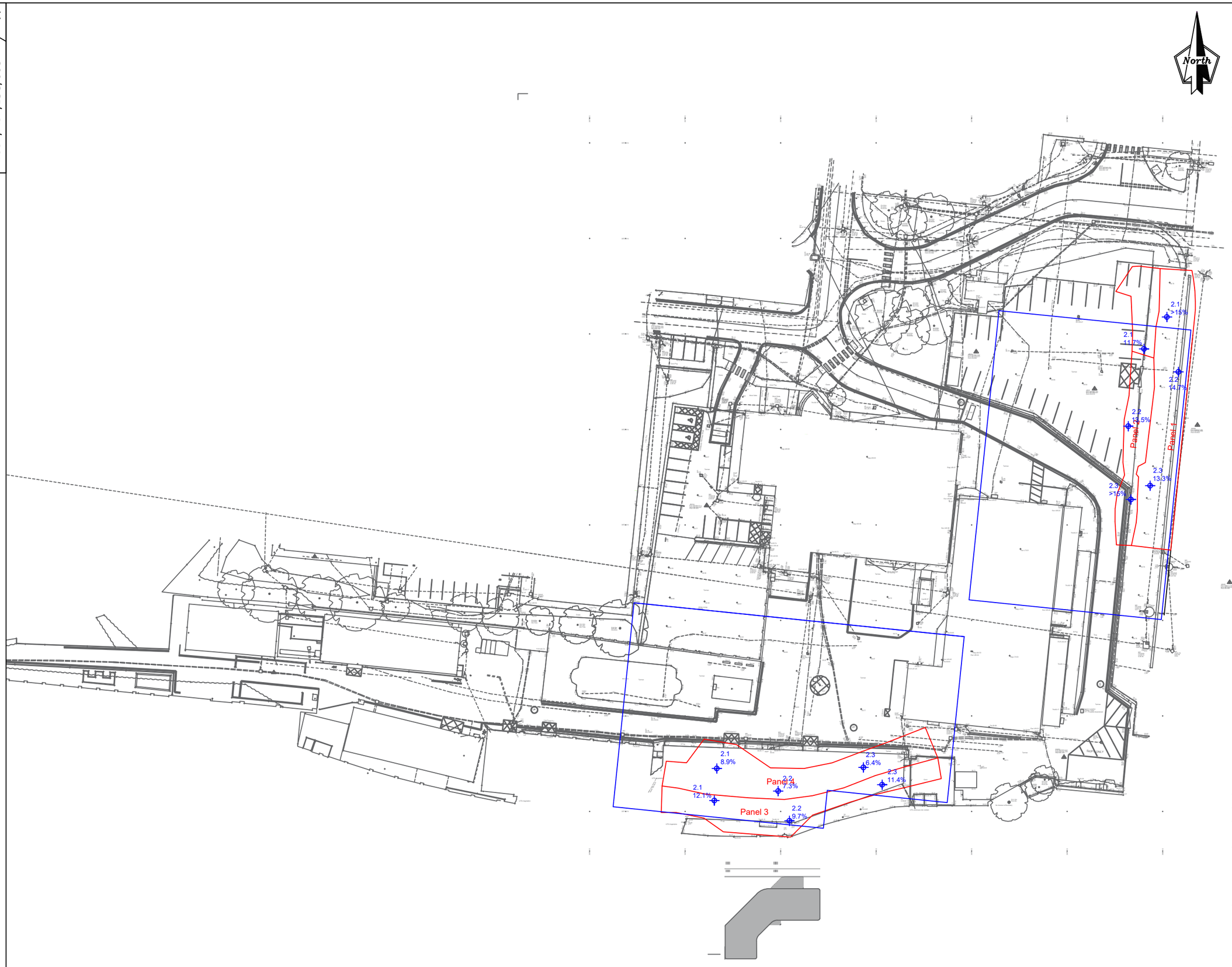
Drawing Title
In-situ Geotechnical Testing Layer 1

Project Code	C332	Scale	1: 750
		Date Drawn	16/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number
C332/ASB/ISG/002

Rev
A

Drawing Number C332/ASB/ISG/003 Rev A



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

Hand shear vane location

Mexeprobe location

All results shown are the average of 3 tests within any given testing locality.
All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.
Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
A	16/06/25	As-Built

Drawing Status
As-Built

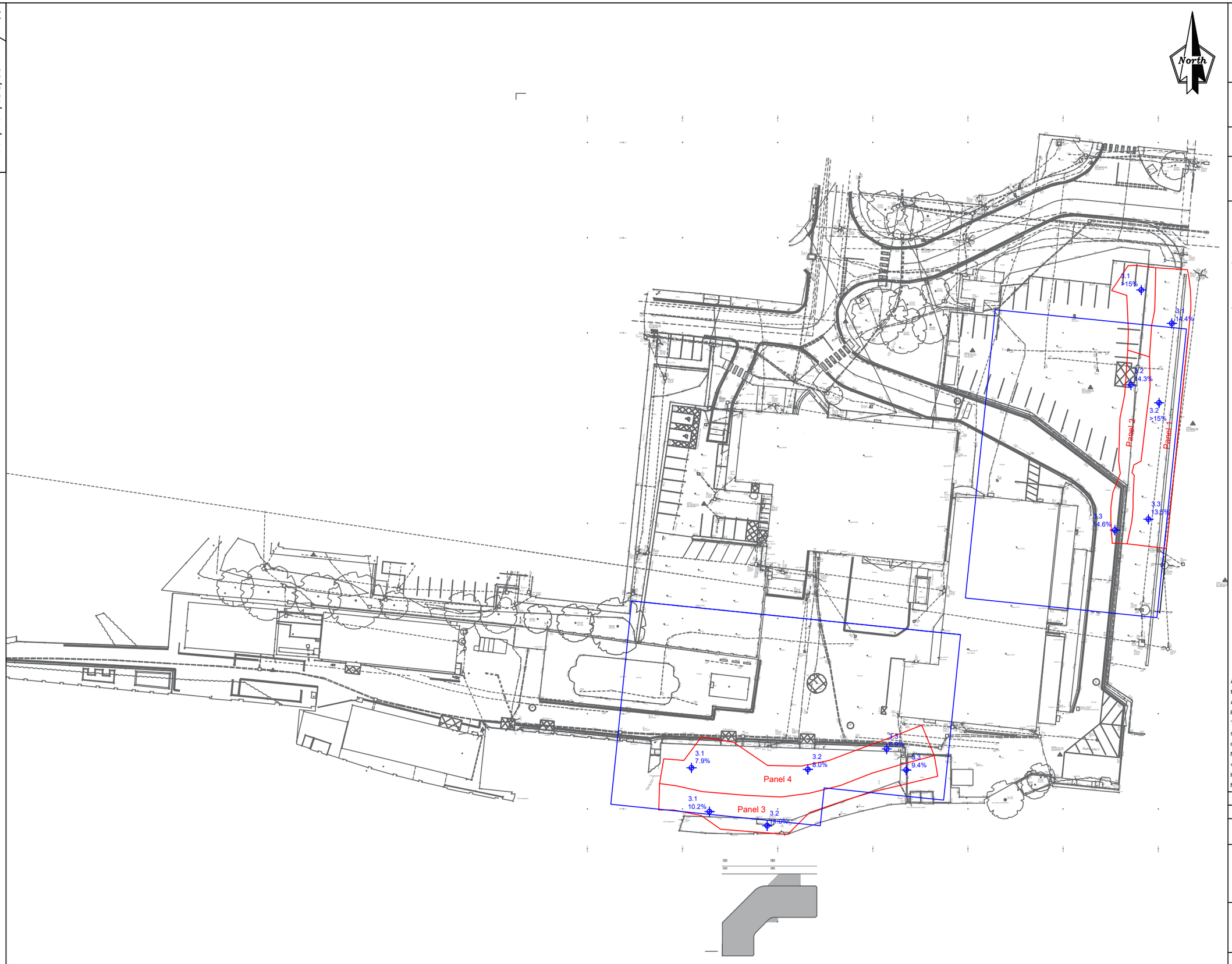
Drawing Title
In-situ Geotechnical Testing Layer 2

Project Code	C332	Scale	1: 750
		Date Drawn	16/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/ASB/ISG/003 Rev A

Drawing Number C332/ASB/ISG/004

Rev A



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

All results shown are the average of 3 tests within any given testing locality.
All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.
Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
A	16/06/25	As-Built

Drawing Status
As-Built

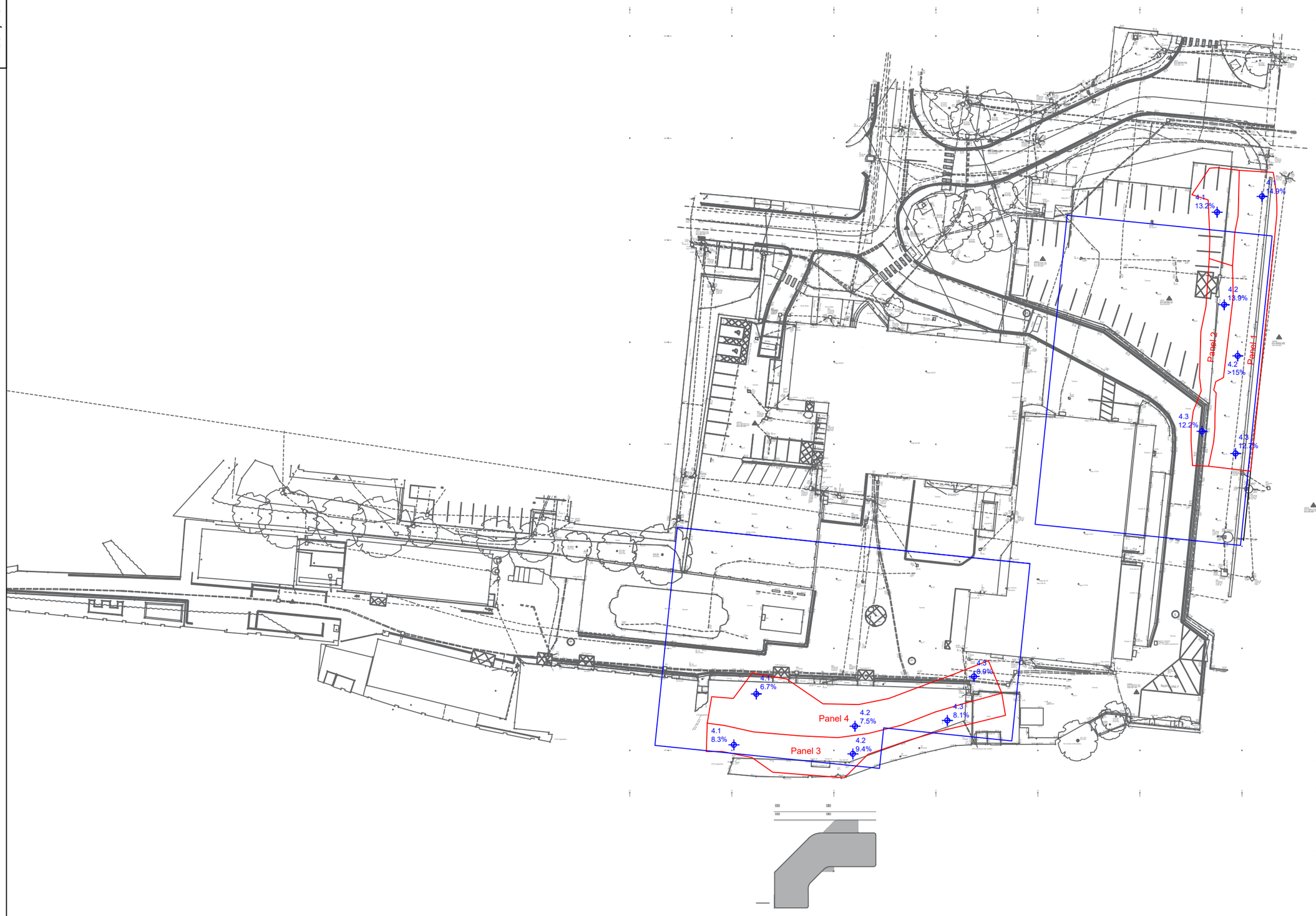
Drawing Title
In-situ Geotechnical Testing Layer 3

Project Code	C332	Scale	1: 750
		Date Drawn	16/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number
C332/ASB/ISG/004

Rev
A

Drawing Number C332/ASB/ISG/005 Rev A



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

All results shown are the average of 3 tests within any given testing locality.
All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.
Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
A	16/06/25	As-Built

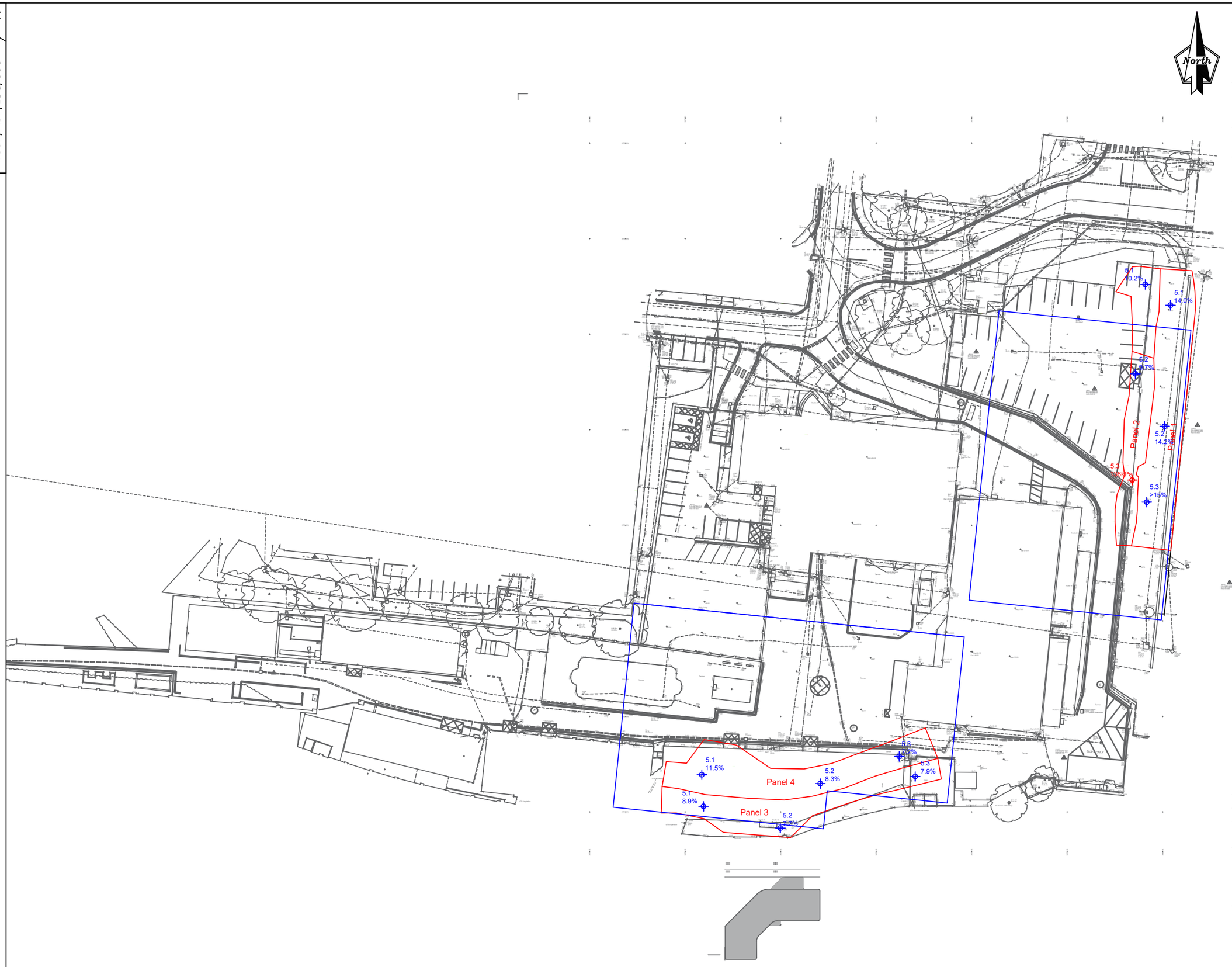
Drawing Status
As-Built

Drawing Title
In-situ Geotechnical Testing Layer 4

Project Code	C332	Scale	1: 750
		Date Drawn	16/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/ASB/ISG/005 Rev A

Drawing Number C332/ASB/ISG/006 Rev A



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

All results shown are the average of 3 tests within any given testing locality.
All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.
Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
A	16/06/25	As-Built

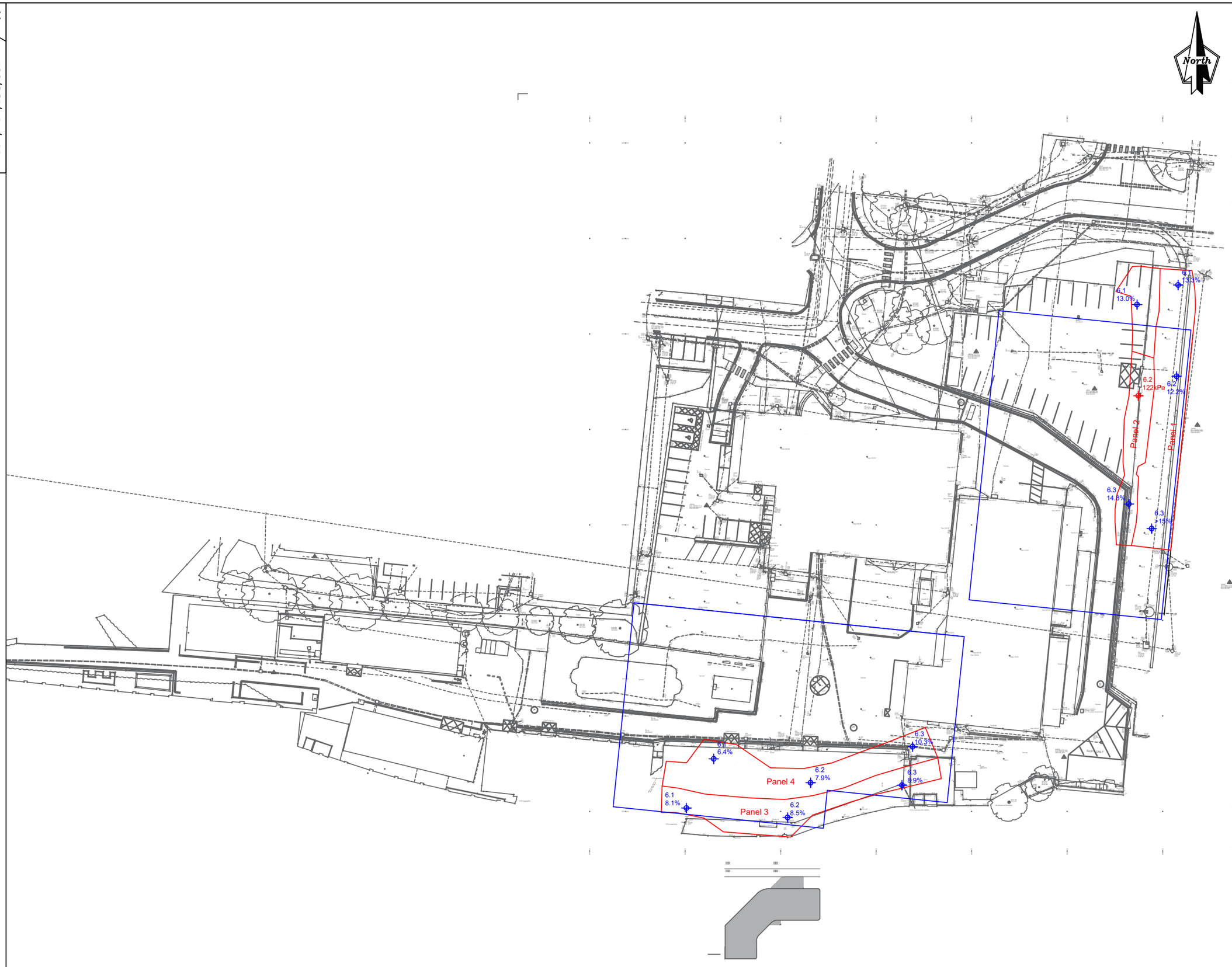
Drawing Status
As-Built

Drawing Title
In-situ Geotechnical Testing Layer 5

Project Code	C332	Scale	1: 750
		Date Drawn	16/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/ASB/ISG/006 Rev A

Drawing Number C332/ASB/ISG/007 Rev A



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

All results shown are the average of 3 tests within any given testing locality.
All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.
Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
A	16/06/25	As-Built

Drawing Status
As-Built

Drawing Title
In-situ Geotechnical Testing Layer 6

Project Code	C332	Scale	1: 750
		Date Drawn	16/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/ASB/ISG/007 Rev A

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bouygues		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 12°C 1020mb	Dry 17°C 1019mb	Wet 15°C 1015mb
Wind • Speed? • Direction?	SW 9mph	WSW 11mph	SSW 9mph
Noise Readings	N_1: 65 75 N_2: N_3: 66 76 N_4: 65 70 N_5: 58 63 N_6: N_7:	N_1: 72 78 N_2: N_3: 76 81 N_4: 69 75 N_5: 59 65 N_6: N_7:	N_1: 63 69 N_2: N_3: 69 77 N_4: 63 72 N_5: 59 69 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP	DP	DP
Monitoring • Any sampling/monitoring undertaken?	NDV	NDV	NDV
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc	Fenc	Fenc
PID Readings • Working Areas • Site Boundary • Receptors	N/A	N/A	N/A

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	09/06	**Checked by Site / Manager**	

C&R	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	BamsCo		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 13°C 1015mb	Dry 17°C 1019mb	Dry 16°C 1020mb
Wind • Speed? • Direction?	WNW 15mph	WNW 12mph	WNW 5mph
Noise Readings	N_1: 73 81 N_2: N_3: 65 71 N_4: 68 75 N_5: 56 63 N_6: N_7:	N_1: 71 79 N_2: 74 81 N_3: N_4: 69 74 N_5: 59 66 N_6: N_7:	N_1: 69 76 N_2: 64 70 N_3: N_4: 66 71 N_5: 60 65 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP	DP	DP
Monitoring • Any sampling/monitoring undertaken?	NDV	NDV	NDV
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust	Fence Dust	Fence Dust
PID Readings • Working Areas • Site Boundary • Receptors	NA	NA	NA

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	10/06	**Checked by Site / Manager**	

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client			

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 9C 1019mb	Dry 24C 1018mb	Dry 23C 1017mb
Wind • Speed? • Direction?	N 4mph	SSE 6mph	N 4mph
Noise Readings	N_1: 72 81 N_2: 69 79 N_3: 66 71 N_4: 55 60 N_5: N_6: N_7:	N_1: 69 77 N_2: 77 84 N_3: 76 84 N_4: 58 65 N_5: N_6: N_7:	N_1: 61 70 N_2: 69 ~~85~~ N_3: 64 69 N_4: 57 67 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP	DP	DP
Monitoring • Any sampling/monitoring undertaken?	NDV	NDV	NDV
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust	Fence Dust	Fence Dust
PID Readings • Working Areas • Site Boundary • Receptors	NA	NA	NA

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	11/06	Checked by Site / Manager		

C&R	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bouygues		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 14c 1013mb	Dry 22c 1009mb	Dry 21c 1012mb
Wind • Speed? • Direction?	N 7mph	N 8mph	S 6mph
Noise Readings	N_1: 70 76 N_2: 69 79 N_3: N_4: 75 81 N_5: 57 65 N_6: N_7:	N_1: 73 80 N_2: 78 84 N_3: N_4: 76 84 N_5: 57 67 N_6: N_7:	N_1: 63 73 N_2: 61 70 N_3: N_4: 63 69 N_5: 59 68 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP	DP	DP
Monitoring • Any sampling/monitoring undertaken?	NDV	NDV	NDV
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust	Fence Dust	Fence Dust
PID Readings • Working Areas • Site Boundary • Receptors	NA	NA	NA

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]		
Day & Date	12/06	**Checked by Site / Manager**			

C&R	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bunsco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 17C 1017mb	Dry 23C 1018mb	Dry 23C 1018mb
Wind • Speed? • Direction?	SSW 9mph	SSW 9mph	NW 7mph
Noise Readings	N_1: 68 78 N_2: 70 78 N_3: N_4: 70 76 N_5: N_6: 57 63 N_7:	N_1: 73 78 N_2: 72 77 N_3: N_4: 78 64 N_5: N_6: 57 63 N_7:	N_1: 63 68 N_2: N_3: 63 72 N_4: 66 76 N_5: N_6: 55 65 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP	DP	DP
Monitoring • Any sampling/monitoring undertaken?	NDU	NDU	NDU
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust	Fenc Dust	Fenc Dust
PID Readings • Working Areas • Site Boundary • Receptors	NA	NA	NA

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	13/06	**Checked by Site / Manager**	

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN



City Works 4

Weekly Environmental Report, No. 04

Civil and Remediation Ltd.

C332/WER/001/04

June 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	23/06/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 4

Report Reference: C332/WER/001/04

Revision Number: 001

Issue Date: 23rd June 2025

Author: Tom Magee BSc (Hons) FGS MCIWEM (Geoenvironmental Manager, C&R: Environmental Ltd.)

Checked By: Aron Rowley (Project Engineer, C&R Ltd.)

Approved By: Jack Rowley FCICES MIVM (Managing Director, C&R Ltd)

Client: Network Space,
Centrix House,
26 Crow Lane East,
Newton-le-Willows,
WA12 9UY

Principal Contractor: Bansco,
Pure House,
Bridge Street,
Horwich,
Bolton,
BL6 7BT

Remediation Contractor: Civil and Remediation Ltd.,
Grosvenor House
3 Chapel Street
Congleton
Cheshire
CW12 4AB

Contents

Contents ii
1.0 Week 04 Scope of Works Undertaken 1
2.0 Week 05 Forecast Works Anticipated 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 2
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 3
5.0 Remediation, Earthworks and Geotechnics 3
5.1 Site Works 3
5.2 Geotechnical Design (Instructed Late May 2025 to C&R) 4
5.3 Geotechnical Results 4
6.0 Any Other Business 6
6.1 Site Visits, Attendances & Outcomes 6
6.2 Complaints and Resolution Actions Completed 6
6.3 Health, Safety and Welfare 6
6.4 Long Lead In/ Early Warning Record 7
6.5 Other Technical Items of Note 7
6.6 Any Other Business 7
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD

1.0 Week 04 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 16/06/25 to 20/06/25 (Week 04) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Dust suppression to manage dust liberation on site;
- Removal of below ground relict foundations below C&R vertical boundary to stock in anticipation of processing to a recycled aggregate for reuse on site;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C/ 2C general fill materials for reengineering works;
- Reengineering of screened Made Ground materials in accordance with the *MCHW* Series 600 and associated testing in accordance with the agreed Inspection and Test Plan; and,
- Additional Works removal of second identified unforeseen culvert stat beneath Unit 3 as per CVI002.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 05 Forecast Works Anticipated

The anticipated works in Week 05 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;
- Continuation of remediation works to remove relict foundations where required, screen materials to segregate U1 oversized hardstanding and separate Class 1C general fill materials for reengineering works;
- Delineation of visually identified hotspot at TP7 from the gap site investigation;
- Continued Instructed Additional Works (CVI002) removal of unforeseen culvert stat at -2.5 to -4.0m bOGL and backfill back to -2m bOGL;

- Continue unforeseen obstruction removal to -2.2 - -5m bOGL in the Unit 4 area as Instructed (23/06/25); and,
- Continuation of the reengineering works in accordance with the *MCHW* Series 600.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	70.1	82.5	N	No exceedances.
NM2	North east	68.7	84.7	N	No exceedances.
NM3	South east	66.0	78.5	N	No exceedances.
NM4	West	56.1	70.2	N	No exceedances.

No exceedances were recorded during Week 04.

3.2 Vibration Monitoring

A summary of the measured vibration levels at each monitoring location over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0

Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB3	South	1.5	0.547	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

Results will be provided in the appendices when obtained from the laboratory.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01).

4.1 Contaminated Soils & Materials

No contaminated soils or materials have been encountered during week 04.

Hotspot delineation works are scheduled to commence from week 05. This includes further investigation into potential hydrocarbons encountered at TP07 in the gap SI, with follow on delineation of VOC hotspots identified and asbestos watching brief/ hand picking exercise towards the west of the site.

Chemical samples of general fill material, 6F2 and MOT aggregates have been collected on, and sent to the laboratory on Thursday 19th June 2025. These samples have been scheduled for testing in accordance with the requirements of the Remediation Strategy. The results and subsequent assessment will be issued within the relevant weekly report once obtained.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 04, and none is anticipated on site based on the ground investigations.

A second unforeseen culvert stat has been identified on site during Week 04 below Unit 3. Additional Works have been undertaken in accordance with CVI002 to delineate, dewater remove and reengineer. See the location drawing in Appendix B for further information.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now completely stripped of hardstanding including the former compound area.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works are continuing with the removal of below ground obstructions and screening of materials to segregate Class 1C/ 2C general fill materials from oversized hardstanding below Units 3 & 4.

Reengineering works are in progress to bring the site up to the required levels, which are being conducted in accordance with the Specification for Highway Works Series 600, with all in-*situ*

performance testing in place and passing the required specification in accordance with the agreed Inspection and Test Plan.

Samples of recovered aggregates and fill materials have been sent to the laboratory for geotechnical testing in accordance with the agreed Inspection and Test Plan. Testing results and assessments will be provided when available.

See C332/WRD/004 in Appendix B for a full display of works complete up to 20/06/25.

5.2 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

5.3 Geotechnical Results

In *situ* geotechnical testing has been undertaken during the earthworks from the base of excavation and across all engineered material layers. Summary results are provided in Table 3 below, with as-builts provided in Appendix B.

C&R agreed with BWB to conduct additional testing over and above the mexeprobe and shear vane tests (in *situ* density) in addition to our agreed ITP and RSIP.

Table 3 – In *Situ* Geotechnical Testing Results

Location	Depth (from OGL; m)	Test Type	Result (kPa or CBR%)
Panel 3.3 0.1	2.4	HSV	135
Panel 3.3 0.2	2.4	HSV	>150
Panel 3.3 0.3	2.4	HSV	127
Panel 3.3 1.1	2.1	Mexe	10.2
Panel 3.3 1.2	2.1	Mexe	10.6
Panel 3.3 1.3	2.1	Mexe	12.5
Panel 3.3 2.1	1.8	Mexe	9.2
Panel 3.3 2.2	1.8	Mexe	11.7
Panel 3.3 2.3	1.8	Mexe	9.9
Panel 3.3 3.1	1.5	Mexe	8.6
Panel 3.3 3.2	1.5	Mexe	11.5
Panel 3.3 3.3	1.5	Mexe	9.0
Panel 3.3 4.1	1.2	Mexe	8.7

Panel 3.3 4.2	1.2	Mexe	10.2
Panel 3.3 4.3	1.2	Mexe	12.0
Panel 3.3 5.1	0.9	Mexe	11.9
Panel 3.3 5.2	0.9	Mexe	10.3
Panel 3.3 5.3	0.9	Mexe	11.2
Panel 3.3 6.1	0.6	Mexe	9.8
Panel 3.3 6.2	0.6	Mexe	9.4
Panel 3.3 6.3	0.6	Mexe	11.6
Panel 4.3 0.1	2.4	HSV	>150
Panel 4.3 0.2	2.4	HSV	>150
Panel 4.3 0.3	2.4	HSV	>150
Panel 4.3 1.1	2.1	Mexe	13.3
Panel 4.3 1.2	2.1	Mexe	14.1
Panel 4.3 1.3	2.1	Mexe	>15
Panel 4.3 2.1	1.8	Mexe	12.4
Panel 4.3 2.2	1.8	Mexe	14.5
Panel 4.3 2.3	1.8	Mexe	12.8
Panel 4.3 3.1	1.5	Mexe	13.9
Panel 4.3 3.2	1.5	Mexe	14.6
Panel 4.3 3.3	1.5	Mexe	12.5
Panel 4.3 4.1	1.2	Mexe	10.2
Panel 4.3 4.2	1.2	Mexe	11.4
Panel 4.3 4.3	1.2	Mexe	9.1
Panel 4.3 5.1	0.9	Mexe	10.4
Panel 4.3 5.2	0.9	Mexe	10.9
Panel 4.3 5.3	0.9	Mexe	11.5
Panel 4.3 6.1	0.6	Mexe	12.4
Panel 4.3 6.2	0.6	Mexe	11.2
Panel 4.3 6.3	0.6	Mexe	9.8
Panel 4.4 0.1	2.4	HSV	>150
Panel 4.4 0.2	2.4	HSV	>150
Panel 4.4 0.3	2.4	HSV	>150
Panel 4.4 1.1	2.1	Mexe	10.2
Panel 4.4 1.2	2.1	Mexe	11.9
Panel 4.4 1.3	2.1	Mexe	12.3
Panel 4.4 2.1	1.8	Mexe	9.7
Panel 4.4 2.2	1.8	Mexe	10.5

Panel 4.4 2.3	1.8	Mexe	9.1
Panel 4.4 3.1	1.5	Mexe	10.6
Panel 4.4 3.2	1.5	Mexe	10.5
Panel 4.4 3.3	1.5	Mexe	10.9
Panel 4.4 4.1	1.2	Mexe	12.3
Panel 4.4 4.2	1.2	Mexe	>15
Panel 4.4 4.3	1.2	Mexe	14.2
Panel 4.4 5.1	0.9	Mexe	10.4
Panel 4.4 5.2	0.9	Mexe	11.9
Panel 4.4 5.3	0.9	Mexe	12.0
Panel 4.4 6.1	0.6	Mexe	14.1
Panel 4.4 6.2	0.6	Mexe	10.7
Panel 4.4 6.3	0.6	Mexe	11.3

Table 3 Footnotes:

See drawings C332/ASB/ISG/001-007 in Appendix A for further location information.

All results shown in Table 3 are the average of 3 tests within any given testing locality.

All depths are approximate.

PL = panel excavation. Refer to as-built for locations.

First number on tests denote layer. 0.x = Base of Excavation. 1.y = first layer. Second number denotes locality, shown on the As-Built drawing as previously referenced.

Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.

Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.

Hand shear vane maximum reading = 150kPa.

Mexeprobe maximum reading = 15% CBR.

All testing to date either meets or exceeds the performance requirements.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Platt from Bansco has been on site overseeing the works Monday to Friday during Week 04.

A design team meeting was held on 19/06/25 with follow on site visit/ inspection of the works. No issues with C&Rs works to date were raised.

6.2 Complaints and Resolution Actions Completed

No complaints have been raised during Week 04.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 04.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 03/06/25.

6.4 Long Lead In/ Early Warning Record

C&R are now in receipt of the formal Contract, superseding the £150,000.00 Letter of Intent. Critical Path orders are now being placed. Revision 5 programme issued 20/06/25 & timeframe issued weekly, as agreed, on 23/06/25.

6.5 Other Technical Items of Note

No other technical items of note are raised during week 04.

6.6 Any Other Business

Note site cleaner employed as Instructed for and on behalf of Bansco team.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 4
16/06/25 - 20/06/25




Remediation of relict foundations and turnover to base of excavation continues below the Unit 4 footprint, NE of the site (note additional excavation depth within this area to remove relict foundations). Reengineering from the base of excavation in layers in accordance with the *MCHW* Series 600 continues. See C332/WRD/004 for aerial progress record.




Unforseen culvert located in southern excavations below Unit 3 at -2.5 to -3.7 deep. Inspected and Instructed to remove with Dave Platt Bansco (see CVI002). Culvert dewatered, removed to full depth until natural glacial till encountered, then backfilled in accordance with the *MCHW* Series 600.




Remediation works continue below Unit 3 including additional works deep unforseen culvert removal as instructed, additional excavation depth to remove deep relict foundations at 2.5 - 4m below building footprint and subsequent reengineering of materials.




Mexeprobe and shear vane testing continues on reengineered materials to ensure the required performance of materials is achieved. Refer to as-build drawings in Weekly Environmental Report No. 4 for results.



Aerial progress of works, both units 3 & 4 over 50% complete over and above all additional works and additional depths of excavations and subsequent reengineering over the first 4 weeks.

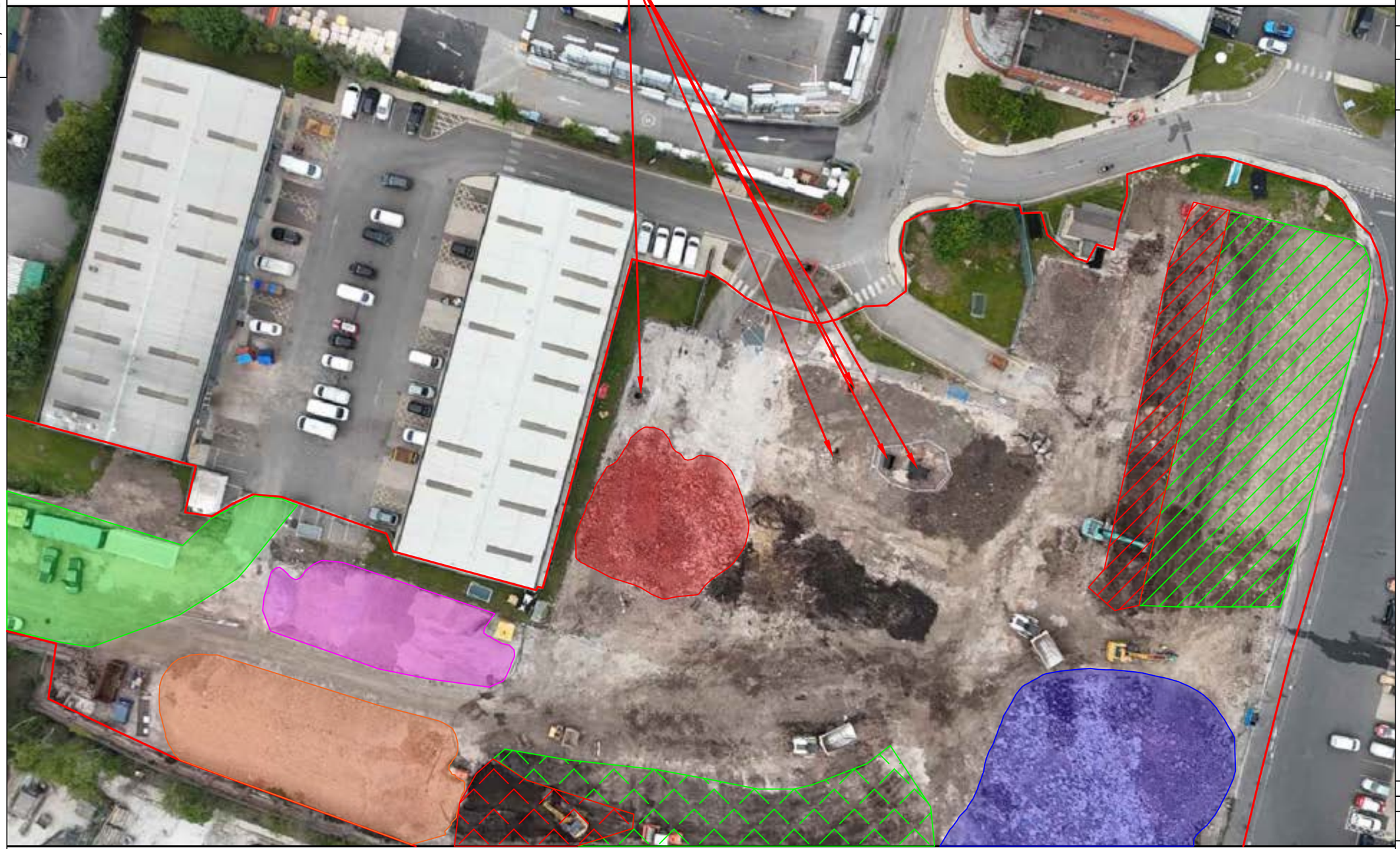
CIVIL AND REMEDIATION: ENVIRONMENTAL

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APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Drawing Number C332/WRD/004 Rev A

Additional Works investigation and trial pits to locate unforseen culvert including breakout and dewatering.



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Oversized brickwork to be processed to a 6F2 specification.
- Oversized hardcore stockpiled in anticipation of production of recycled MOT (asphalt and concrete only in accordance with Clause 803 of *MCHW* Series 800).
- Demolition contractor 6F2 stockpile for reuse during the works.
- Recovered quarried MOT stockpiled separately for reuse during the works.
- Additional works compound area 2 established including perimeter fencing.
- Eastern boundary stripped, removed to 2m and additional depths below 2m & remediated/ reengineered including shear vane, mexeprobe testing on base of excavation and layers up to completed level for Landpac.
- Completed to finished level including additional remediation below 2m boundary (up to 2.5 - 3.7m), base of Dig survey, shear vane and mexeprobe testing in accordance with agreed and approved ITP.
- Eastern boundary remediation ongoing.
- Southern boundary reenginering works following unforseen culvert stat removal at 2.5 - 4m deep.

Unit 3 and 4 footprints now over 50% complete.

Read in conjunction with Weekly Environmental Report No. 04 (C332/WER/001/04) for full breakdown of works during week 04 (Section 1.0).

Rev	Date	Description
A	20/06/25	Information

Drawing Status
Information

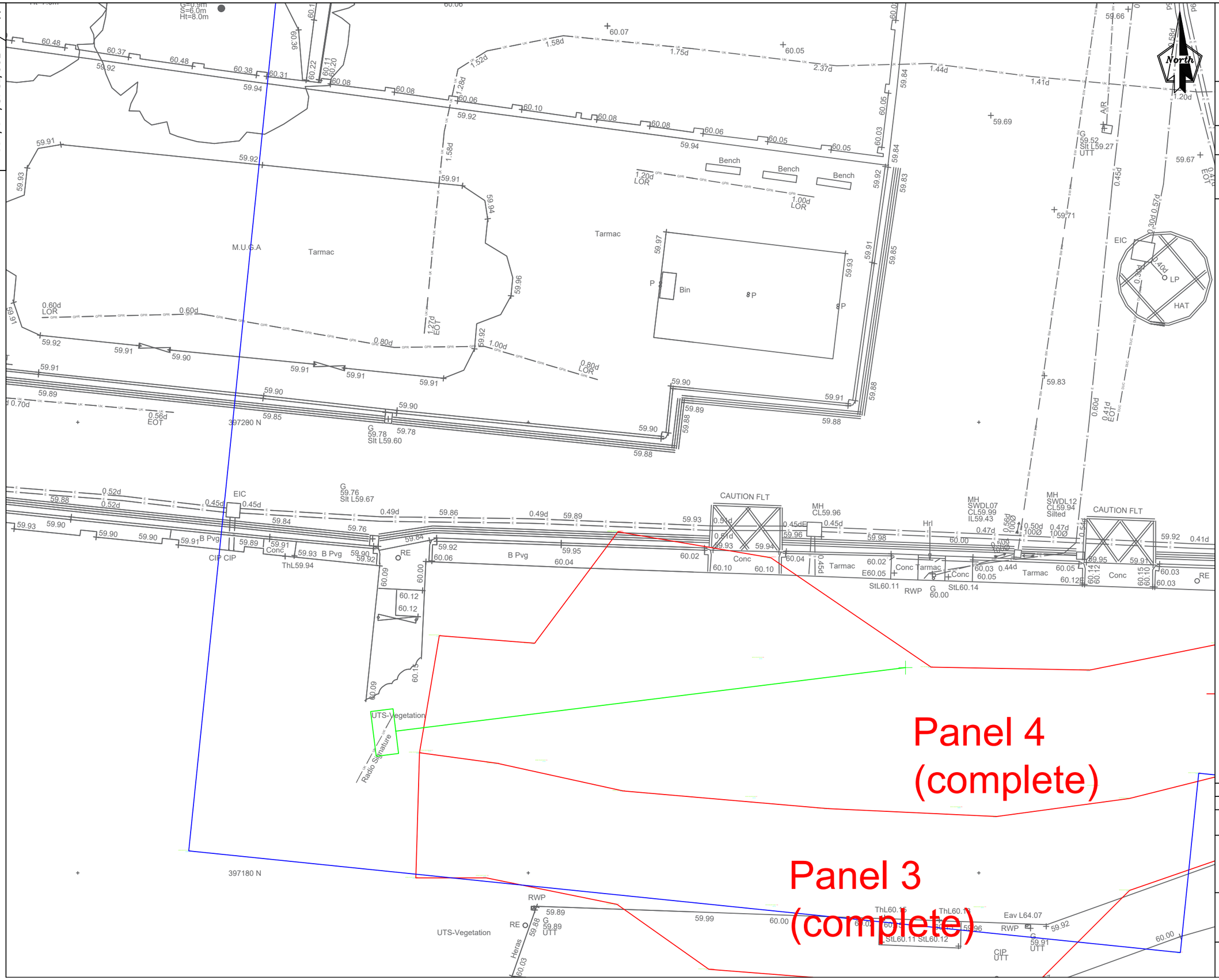
Drawing Title
Weekly Record Drawing Week 04

Project Code C332
Scale 1: 600 (approx.)
Date Drawn 20/06/25
Drawn By TM
Reviewed By AR
Original Size A3

Drawing Number C332/WRD/004
Rev A

Rev A

Drawing Number C332/CVI/UFCL/001



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

Unforseen culvert chased to chamber as agreed on site

Please refer to CVI002

Inspected on site with Ryan Beaver, Aron Rowley and David Platt and verbally instructed to remove.

Rev	Date	Description
A	18/06/25	Information

Drawing Status
Information

Drawing Title
Unforseen Culvert 2 Location CVI002

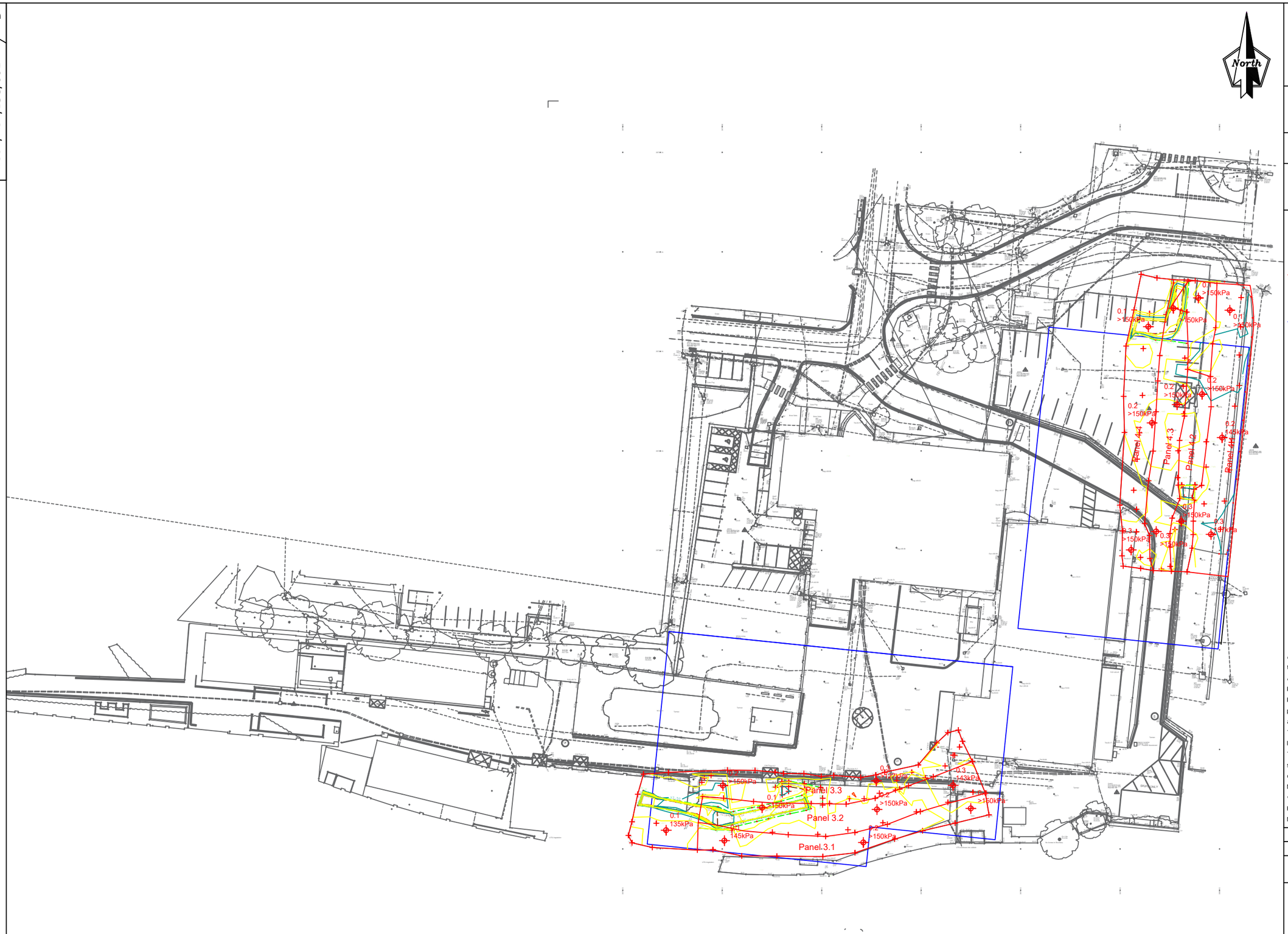
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		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number
C332/CVI/UFS2/001

Rev
A

Drawing Number
C332/ASB/ISG/001

Rev
B



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

All results shown are the average of 3 tests within any given testing locality.
All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
Panel numbers denote unit they sit below (1 - 4) with decimal place being panel below x unit. 5.y denotes panels outside of unit areas.
Test number denotes layer and location within panel. 0.1 denotes layer 0 (base of excavation) and first test within panel.
Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.
Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
B	23/06/25	As-Built

Drawing Status
As-Built

Drawing Title
In-situ Geotechnical Testing
Base of Excavation

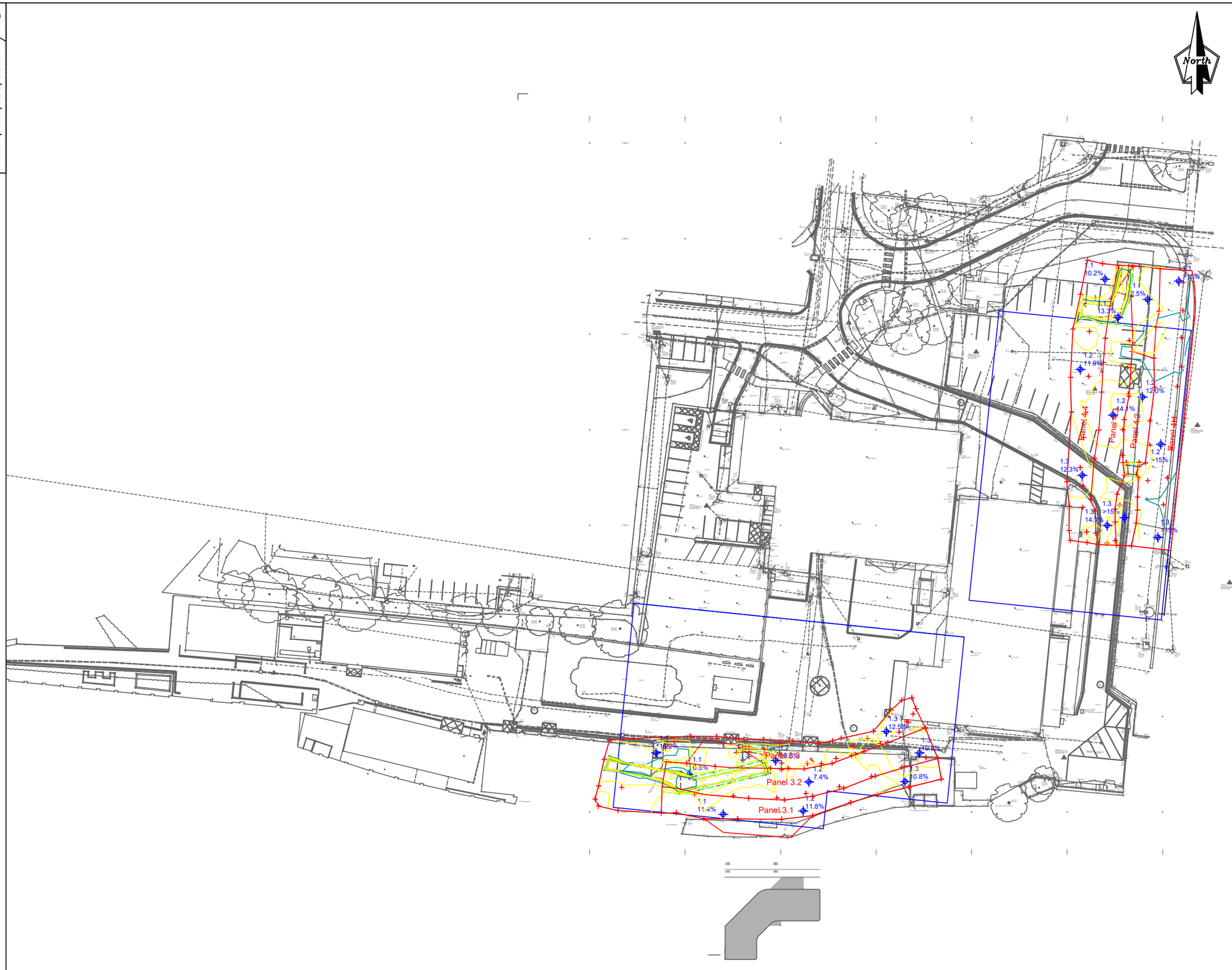
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		Date Drawn	23/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number
C332/ASB/ISG/001

Rev
B

Drawing Number
C332/ASB/ISG/002

Rev
B



C&R
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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

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All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
Panel numbers denote unit they sit below (1 - 4) with decimal place being panel below x unit. 5.y denotes panels outside of unit areas.
Test number denotes layer and location within panel. 0.1 denotes layer 0 (base of excavation) and first test within panel.
Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.
Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
B	23/06/25	As-Built

Drawing Status
As-Built

Drawing Title
In-situ Geotechnical Testing Layer 1

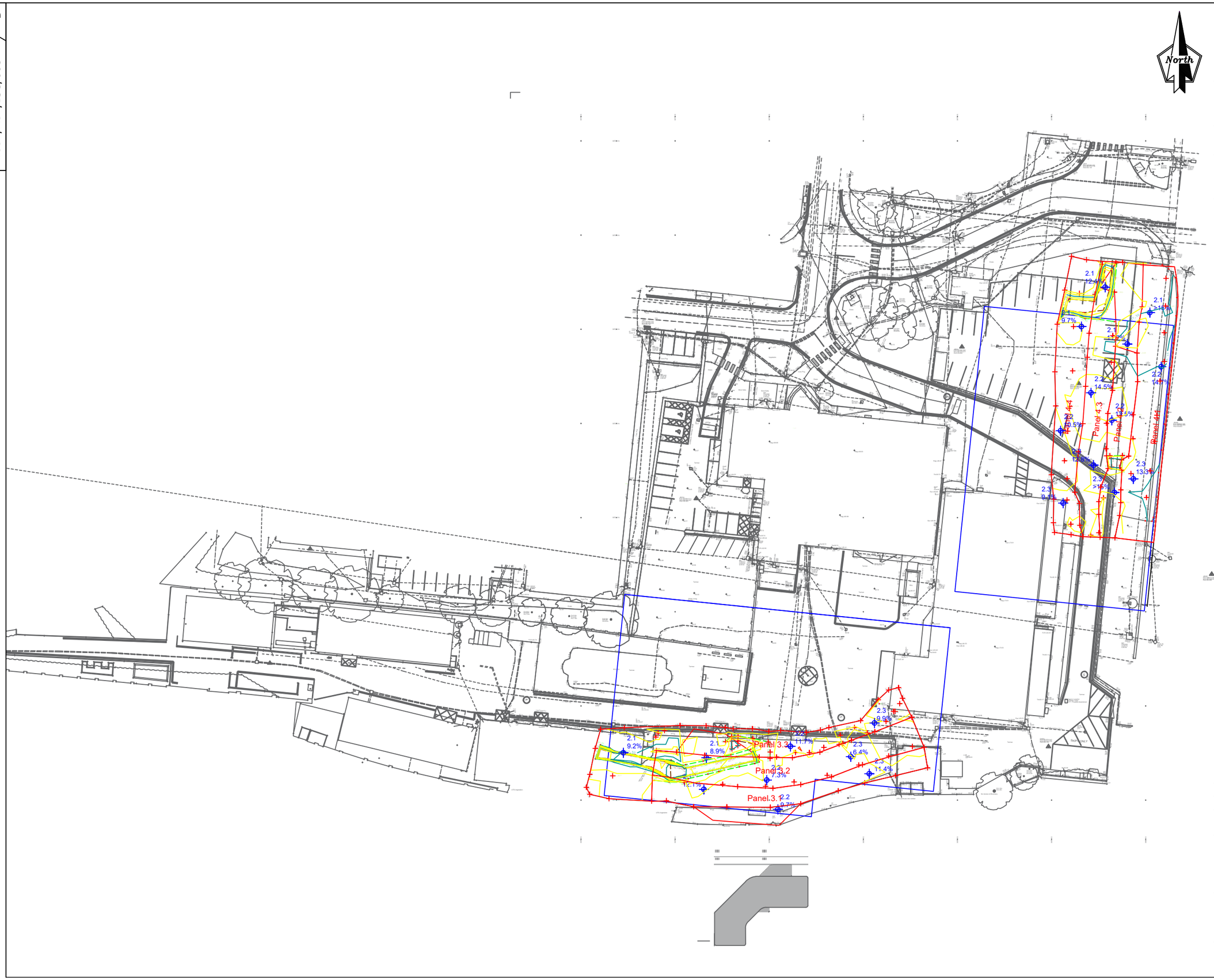
Project Code	C332	Scale	1: 750
		Date Drawn	16/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number
C332/ASB/ISG/002

Rev
B

Rev B

Drawing Number C332/ASB/ISG/003



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

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All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
Panel numbers denote unit they sit below (1 - 4) with decimal place being panel below x unit. 5.y denotes panels outside of unit areas.
Test number denotes layer and location within panel. 0.1 denotes layer 0 (base of excavation) and first test within panel.
Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.
Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
B	23/06/25	As-Built

Drawing Status
As-Built

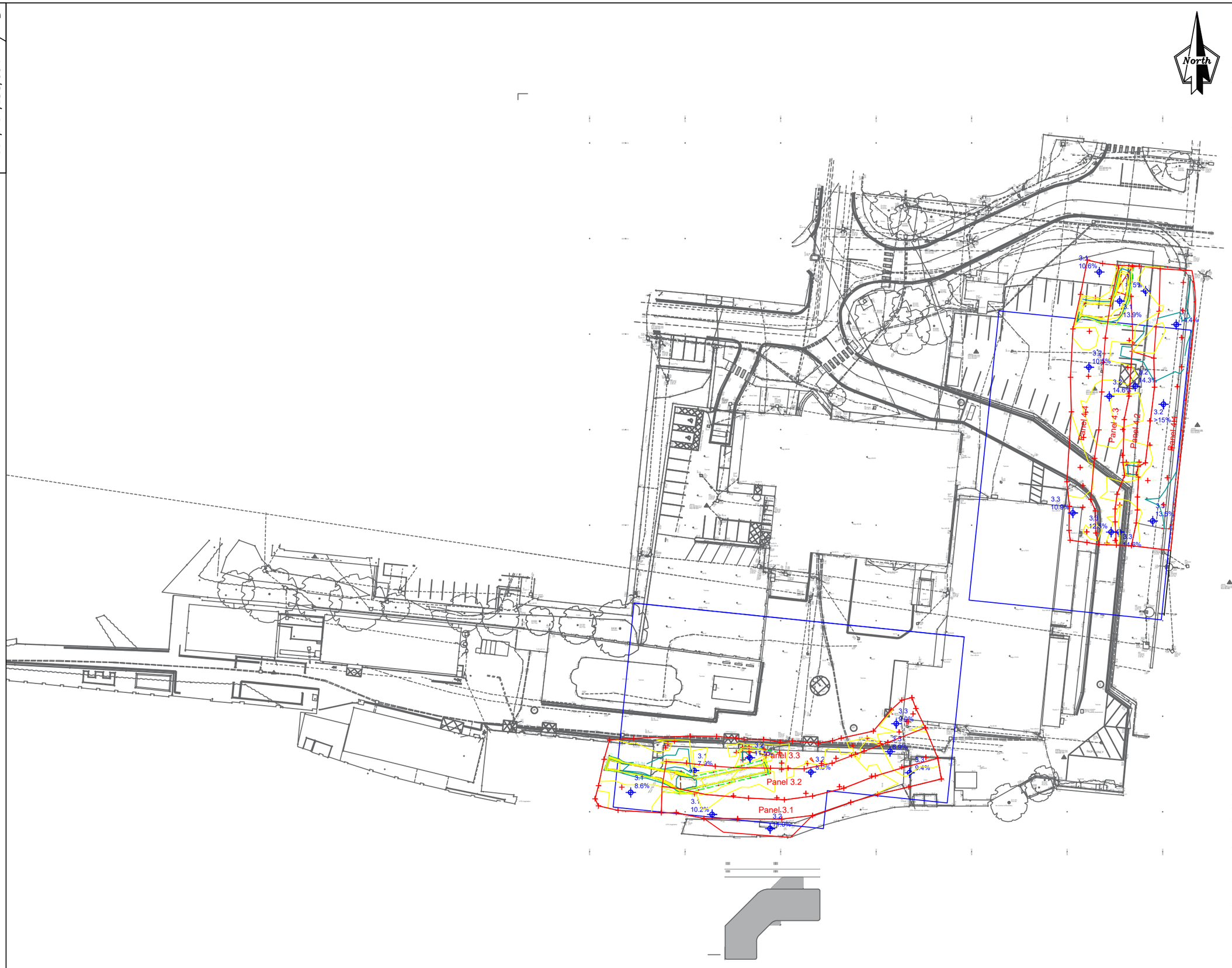
Drawing Title
In-situ Geotechnical Testing Layer 2

Project Code	C332	Scale	1: 750
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		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number
C332/ASB/ISG/003

Rev
B

Drawing Number C332/ASB/ISG/004 Rev B



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

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Test number denotes layer and location within panel. 0.1 denotes layer 0 (base of excavation) and first test within panel.
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Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
B	23/06/25	As-Built

Drawing Status
As-Built

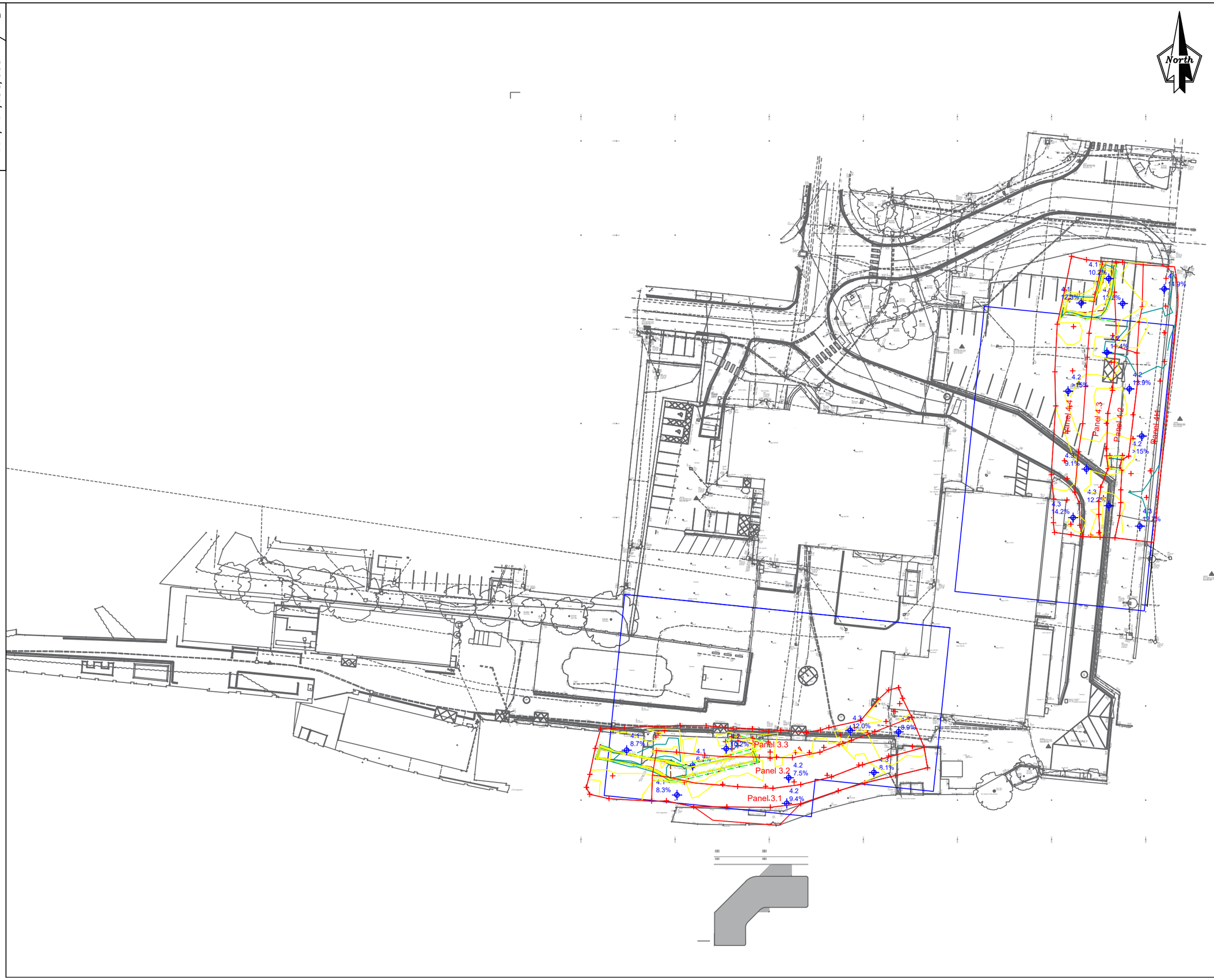
Drawing Title
In-situ Geotechnical Testing Layer 3

Project Code	C332	Scale	1: 750
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		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/ASB/ISG/004 Rev B

Rev B

Drawing Number C332/ASB/ISG/005



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

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All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
Panel numbers denote unit they sit below (1 - 4) with decimal place being panel below x unit. 5.y denotes panels outside of unit areas.
Test number denotes layer and location within panel. 0.1 denotes layer 0 (base of excavation) and first test within panel.
Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.
Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
B	23/06/25	As-Built

Drawing Status
As-Built

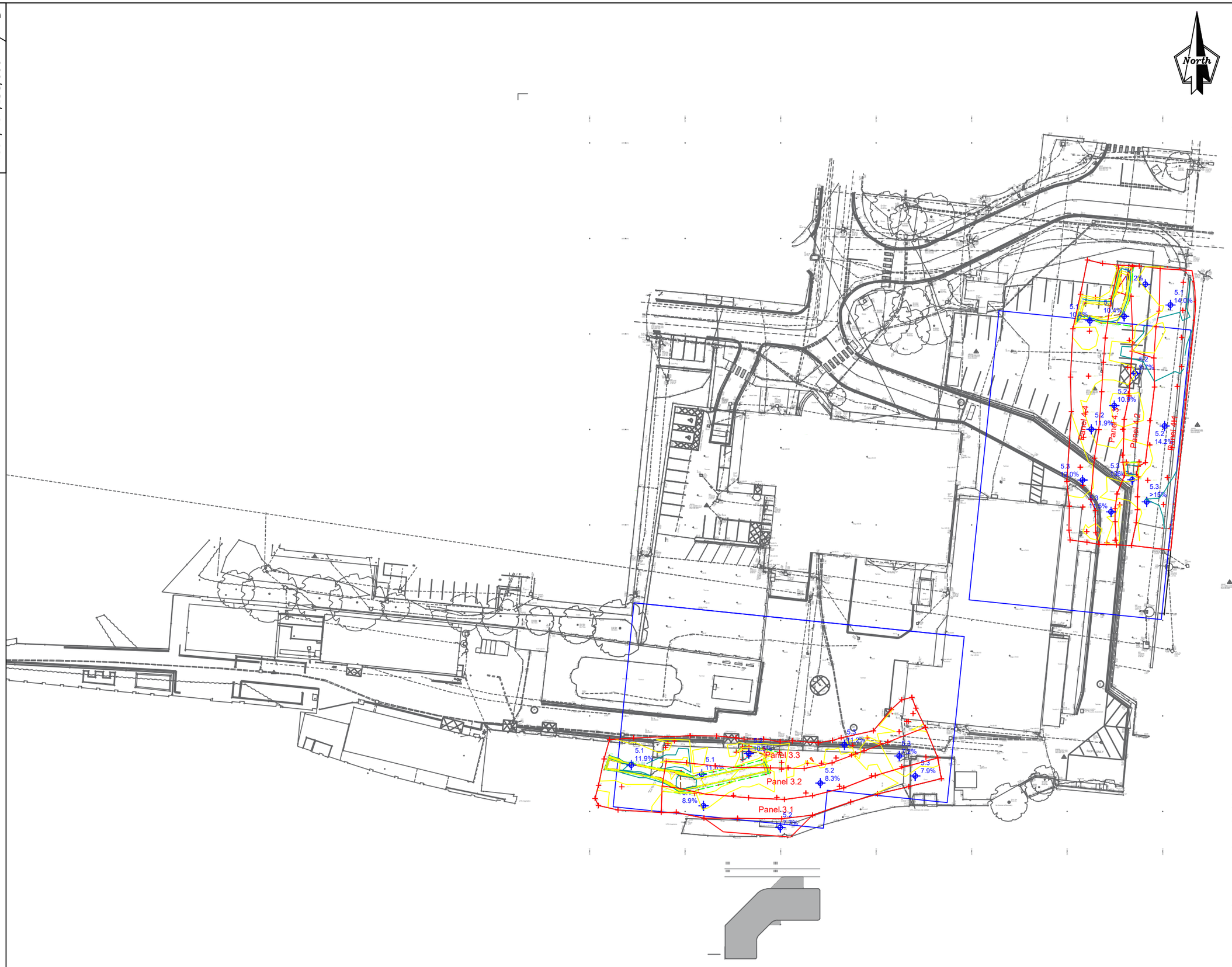
Drawing Title
In-situ Geotechnical Testing Layer 4

Project Code	C332	Scale	1: 750
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		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number
C332/ASB/ISG/005

Rev
B

Drawing Number C332/ASB/ISG/006 Rev B



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

All results shown are the average of 3 tests within any given testing locality.
All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
Panel numbers denote unit they sit below (1 - 4) with decimal place being panel below x unit. 5.y denotes panels outside of unit areas.
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Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
B	16/06/25	As-Built

Drawing Status
As-Built

Drawing Title
In-situ Geotechnical Testing Layer 5

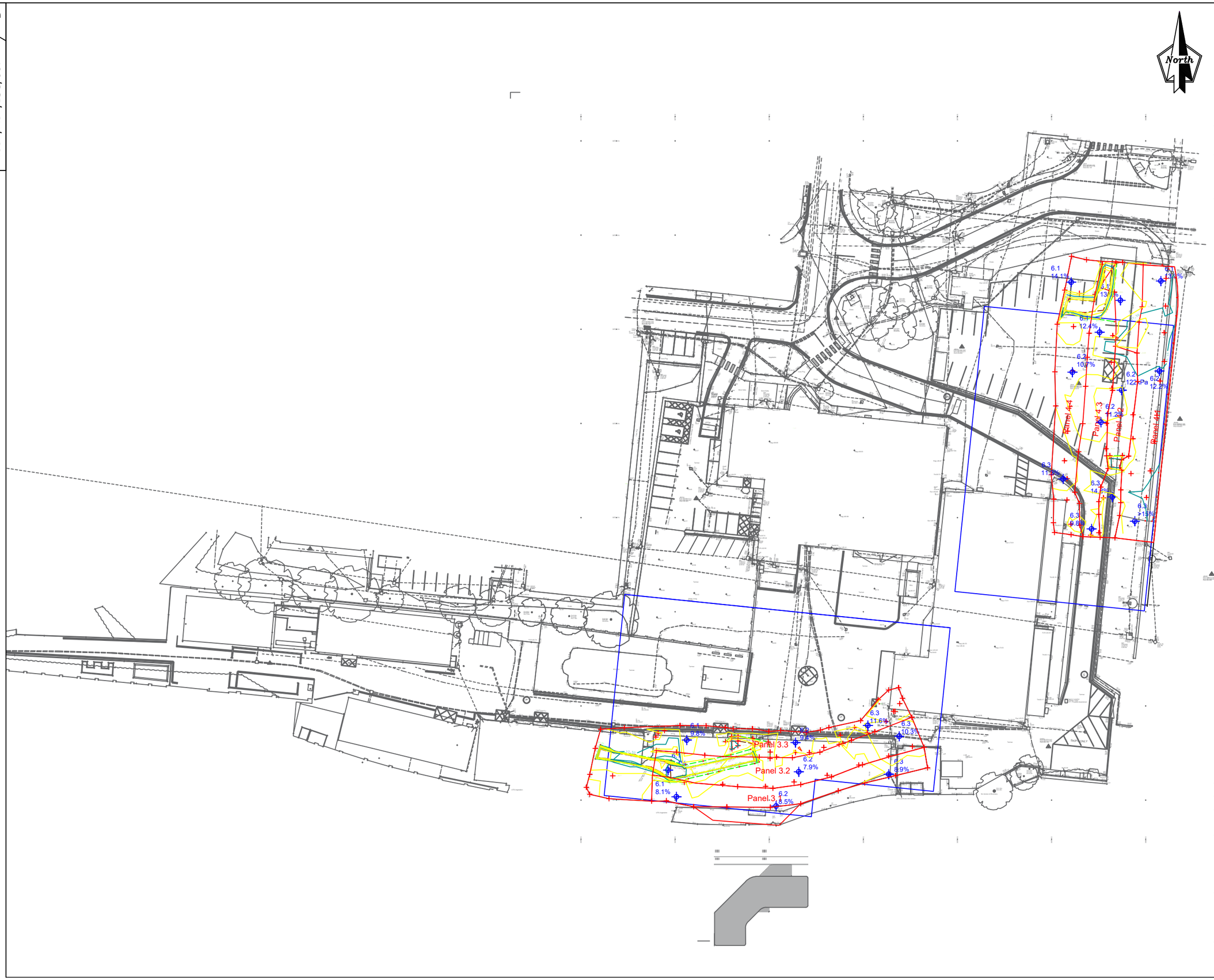
Project Code	C332	Scale	1: 750
		Date Drawn	16/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number
C332/ASB/ISG/006

Rev
B

Drawing Number C332/ASB/ISG/007

Rev B



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

All results shown are the average of 3 tests within any given testing locality.
All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
Panel numbers denote unit they sit below (1 - 4) with decimal place being panel below x unit. 5.y denotes panels outside of unit areas.
Test number denotes layer and location within panel. 0.1 denotes layer 0 (base of excavation) and first test within panel.
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Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
B	16/06/25	As-Built

Drawing Status
As-Built

Drawing Title
In-situ Geotechnical Testing Layer 6

Project Code	C332	Scale	1: 750
		Date Drawn	16/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number
C332/ASB/ISG/007

Rev
B

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	C332	Project Code	City Whrs
Client	Bam&Co		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 13°C 1027mb	Dry 22°C 1026mb	Dry 23°C 1025mb
Wind • Speed? • Direction?	SW 6mph	WSW 9mph	SW 7mph
Noise Readings	N_1: 69.9 79.7 N_2: 70.9 76.8 N_3: 64.7 71.1 N_4: 51.4 60.0 N_5: N_6: N_7:	N_1: 74.5 82.5 N_2: 63.5 73.5 N_3: 64.9 76.7 N_4: 59.1 66.9 N_5: N_6: N_7:	N_1: 67.0 72.8 N_2: 75.6 84.6 N_3: 63.4 71.1 N_4: 59.3 66.8 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA	NA	NA

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Mon 16/06	Checked by Site / Manager		

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Barnsco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	D 13°C 1024mb	D 22°C 1024mb	D 19°C 1024mb
Wind • Speed? • Direction?	S 6mph	W 11mph	WSW 6mph
Noise Readings	N_1: 65.8 75.1 N_2: 67.0 72.5 N_3: 61.7 70.7 N_4: 56.3 63.4 N_5: N_6: N_7:	N_1: 72.8 81.3 N_2: 71.9 79.1 N_3: 60.9 70.8 N_4: 50.3 55.8 N_5: N_6: N_7:	N_1: 65.3 75.1 N_2: 64.6 72.1 N_3: 69.3 75.3 N_4: 50.4 58.6 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Tues 17/06	Checked by Site / Manager		

C&R	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bam Sco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 14? 1025mb	Dry 23? 1025mb	Dry 21? 1025mb
Wind • Speed? • Direction?	W 6mph	W 7mph	NW 7 mph
Noise Readings	N_1: 75.8 81.9 N_2: 63.4 72.9 N_3: 60.1 69.2 N_4: 53.8 61.3 N_5: N_6: N_7:	N_1: 67.4 73.3 N_2: 66.4 74.7 N_3: 68.5 77.1 N_4: 60.9 67.1 N_5: N_6: N_7:	N_1: 69.0 76.6 N_2: 67.1 74.7 N_3: 69.3 74.7 N_4: 54.9 63.7 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	Wed 18/06	**Checked by Site / Manager**	

C&R	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bam Sco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 12°C 1027mb	Dry 25°C 1025mb	Dry 27°C 1024mb
Wind • Speed? • Direction?	N 2mph	N 4mph	E 4mph
Noise Readings	N_1: 70.6 77.1 N_2: 70.1 76.0 N_3: 64.3 69.9 N_4: 52.7 58.1 N_5: N_6: N_7:	N_1: 73.0 78.7 N_2: 75.6 84.5 N_3: 70.4 78.5 N_4: 53.5 59.3 N_5: N_6: N_7:	N_1: 68.8 75.6 N_2: 75.2 84.7 N_3: 64.0 69.3 N_4: 61.2 70.2 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP, DTM	DP →	→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]		
Day & Date	Thurs 19/06	**Checked by Site / Manager**			

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bamco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 20°C 1023mb	Dry 29°C 1022mb	Dry 26°C 1020mb
Wind • Speed? • Direction?	SSE 6mph	S 6mph	N 2mph
Noise Readings	N_1: 70.9 79.8 N_2: 70.8 80.4 N_3: N_4: 63.7 70.3 N_5: 57.6 67.0 N_6: N_7:	N_1: 67.6 75.2 N_2: 64.2 70.2 N_3: N_4: 68.8 77.0 N_5: 59.6 65.5 N_6: N_7:	N_1: 72.7 77.9 N_2: 63.6 70.2 N_3: N_4: 70.6 78.0 N_5: 60.7 68.4 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Fri 20/06	Checked by Site / Manager		

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE. BY DESIGN



City Works 4

Weekly Environmental Report, No. 05

Civil and Remediation Ltd.

C332/WER/001/05

June 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	30/06/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 5

Report Reference: C332/WER/001/05

Revision Number: 001

Issue Date: 30th June 2025

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Contents

Contents ii
1.0 Week 05 Scope of Works Undertaken 1
2.0 Week 06 Forecast Works Anticipated 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 4
5.0 Remediation, Earthworks and Geotechnics 4
5.1 Site Works 4
5.2 Geotechnical Design (Instructed Late May 2025 to C&R) 5
5.3 Geotechnical Results 5
6.0 Any Other Business 7
6.1 Site Visits, Attendances & Outcomes 7
6.2 Complaints and Resolution Actions Completed 7
6.3 Health, Safety and Welfare 7
6.4 Long Lead In/ Early Warning Record 7
6.5 Other Technical Items of Note 7
6.6 Any Other Business 7
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD
APPENDIX D – Chemical Results

1.0 Week 05 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 23/07/25 to 27/06/25 (Week 05) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Dust suppression to manage dust liberation on site;
- Removal of below ground relict foundations below C&R vertical boundary to stock in anticipation of processing to a recycled aggregate for reuse on site;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C/ 2C general fill materials for reengineering works;
- Reengineering of screened Made Ground materials in accordance with the *MCHW* Series 600 and associated testing in accordance with the agreed Inspection and Test Plan;
- Nuclear density testing on compacted fills to confirm appropriate density has been achieved; and,
- Agreed and Instructed Additional Works to remove relict arch structure to up to 5.5m bGL with associated standing while awaiting engineering assessment from BWB & Stantec to confirm or mitigate further removals.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 06 Forecast Works Anticipated

The anticipated works in Week 06 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;
- Continuation of remediation works to remove relict foundations where required, screen materials to segregate U1 oversized hardstanding and separate Class 1C general fill materials for reengineering works;

- Delineation of visually identified hotspot at TP7 from the gap site investigation;
- Continuation of agreed Instructed Additional Works unforeseen relict obstruction removal currently at -5.5m bOGL in the Unit 4 area as Instructed following meeting with BWB and Stantec below foundation line;
- Commencement of drainage works along the eastern boundary;
- Early mobilisation of crushing team due to additional volume of hardstanding to be processed to a recycled aggregate from Instructed and Agreed additional works below C&Rs 2m boundary to date; and,
- Continuation of the reengineering works in accordance with the *MCHW* Series 600.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	70.4	83.1	N	No exceedances.
NM2	North east	69.0	84.9	N	No exceedances.
NM3	South east	65.7	79.6	N	No exceedances.
NM4	West	55.9	71.5	N	No exceedances.

No exceedances were recorded during Week 05.

3.2 Vibration Monitoring

A summary of the measured vibration levels at each monitoring location over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0					
Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB3	South	1.5	0.332	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

Results will be provided in the appendices when obtained from the laboratory.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01).

4.1 Contaminated Soils & Materials

No contaminated soils or materials have been encountered during week 05.

Hotspot delineation works are scheduled to commence from week 07. This includes further investigation into potential hydrocarbons encountered at TP07 in the gap SI, with follow on delineation of VOC hotspots identified and asbestos watching brief/ hand picking exercise towards the west of the site.

Chemical samples of general fill material, 6F2 and MOT aggregates have been collected on, and sent to the laboratory on Thursday 19th June 2025. The results have been provided in Appendix D below.

All testing passed the relevant screening against the trigger values established within the Remediation Strategy, with the exception of CL/R6F2/1/1. This was a confirmatory sample of 6F2 taken from the stockpile produced during the demolition.

The aforementioned sample recorded a single exceedance of total TPH of 710mg/kg, compared to the Remediation Strategy limit of 500mg/kg. This threshold, as noted in the strategy, is an empirical criterion applied to prevent the reuse of soils that may give rise to hydrocarbon odour or contain visible staining, rather than one derived from a quantitative risk assessment or the application of published toxicological screening values such as the LQM/CIEH S4ULs.

There was no visual or olfactory evidence of hydrocarbon contamination associated with the sample during site inspection. The soil presented as visually clean, with no sheen, staining, or hydrocarbon

odour observed during logging or handling. The exceedance was identified using the TPH CWG (Clean-Up) method, which selectively removes natural organic interference and isolates mobile hydrocarbon fractions. The elevated TPH value is associated primarily with higher molecular weight carbon bands, which are known to be less volatile, less soluble in water, and less bioavailable. These heavier hydrocarbons (typically C20–C40) are environmentally more stable and do not pose a significant risk via inhalation or leaching pathways, particularly where soils are placed in a controlled setting.

The proposed end use of the site is commercial, and the material is to be reused beneath a permanent hardstanding or cover layer, further mitigating any residual exposure risk. There are no sensitive human or environmental receptors in proximity, and volatile compounds such as BTEX and MTBE were not detected above laboratory detection limits. These findings further reduce the likelihood of unacceptable risk under the proposed reuse scenario.

The remediation strategy allows for the 500 mg/kg criterion to be revisited where supporting justification can be provided. Given the absence of visual or olfactory evidence, the low mobility and low toxicity profile of the higher TPH bands, and the protective nature of the proposed commercial development, there is a clear and justifiable basis to allow for the reuse of this material on site. The recorded exceedance does not represent a material risk and does not warrant disposal or further remedial action.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 05, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now completely stripped of hardstanding including the former compound area.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works are continuing with the removal of below ground obstructions and screening of materials to segregate Class 1C/ 2C general fill materials from oversized hardstanding below Units 3 & 4.

Note the Additional Instructed and Agreed Works below Unit 4 removing an unforeseen relict structure, consisting of brickwork arches and voids filled with stacked bricks and localised perched groundwater have been progressed as Instructed during Week 05. Removal works, including temporary works to facilitate the removals, are currently at -5.5m bOGL. C&R Instructed to stand on

Friday to await assessment from Stantec (Scott Spencer) and BWB (Warren Bennett), which occurred 12:30 30/06/25. Agreed outcome from the on site meeting is to continue to remove relict structures and voids below 5.5m BOGL in the line of the foundations, with additional investigations below the slab area to further understand the structure and potentially mitigate further Additional Works removals if not required.

Reengineering works are in progress to bring the site up to the required levels, which are being conducted in accordance with the Specification for Highway Works Series 600, with all in-*situ* performance testing in place and passing the required specification in accordance with the agreed Inspection and Test Plan.

Samples of recovered aggregates and fill materials have been sent to the laboratory for geotechnical testing in accordance with the agreed Inspection and Test Plan. Testing results and assessments will be provided when available.

See C332/WRD/005 in Appendix B for a full display of works complete up to 27/06/25.

5.2 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

5.3 Geotechnical Results

In *situ* geotechnical testing has been undertaken during the earthworks from the base of excavation and across all engineered material layers. Summary results are provided in Table 3 below, with as-builts provided in Appendix B.

C&R agreed with BWB to conduct additional testing over and above the mexeprobe and shear vane tests (in *situ* density) in addition to our agreed ITP and RSIP.

Table 3 – In *Situ* Geotechnical Testing Results

Location	Depth (from OGL; m)	Test Type	Result (kPa or CBR%)
Panel 3.4 0.1	1.8	HSV	>150
Panel 3.4 0.2	1.8	HSV	>150
Panel 3.4 0.3	1.8	HSV	>150
Panel 3.4 1.1	1.5	Mexe	9.5
Panel 3.4 1.2	1.5	Mexe	10.5
Panel 3.4 1.3	1.5	Mexe	9.7

Panel 3.4 2.1	1.2	Mexe	10.8
Panel 3.4 2.2	1.2	Mexe	8.6
Panel 3.4 2.3	1.2	Mexe	9.3
Panel 3.4 3.1	0.9	Mexe	10.9
Panel 3.4 3.2	0.9	Mexe	12.3
Panel 3.4 3.3	0.9	Mexe	8.9
Panel 3.4 4.1	0.6	Mexe	9.8
Panel 3.4 4.2	0.6	Mexe	11.7
Panel 3.4 4.3	0.6	Mexe	12.6
Panel 3.4 5.1	0.3	Mexe	12.2
Panel 3.4 5.2	0.3	Mexe	13.7
Panel 3.4 5.3	0.3	Mexe	9.9

Table 3 Footnotes:

See drawings C332/ASB/ISG/001-007 in Appendix A for further location information.

All results shown in Table 3 are the average of 3 tests within any given testing locality.

All depths are approximate.

PL = panel excavation. Refer to as-built for locations.

First number on tests denote layer. 0.x = Base of Excavation. 1.y = first layer. Second number denotes locality, shown on the As-Built drawing as previously referenced.

Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.

Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.

Hand shear vane maximum reading = 150kPa.

Mexeprobe maximum reading = 15% CBR.

Nuclear Density Testing (NDT) was undertaken across the Landpac-compacted earthworks platform to verify the in-situ density of the reengineered materials. The testing was carried out using a calibrated nuclear density gauge, with point sampling conducted across representative areas.

Laboratory samples were also recovered for calibration purposes, with results pending at the time of writing. However, interim guidance from the laboratory indicates that for a target compaction of 95% Maximum Dry Density (MDD), uncalibrated nuclear gauge readings should fall within a typical range of 1.60–1.80 t/m³.

All field test results obtained to date returned uncalibrated bulk density values ranging between 1.90 and 2.30 t/m³, indicating that the compacted material exceeds the expected threshold for 95% MDD. These results are considered robust and indicative of effective compaction across the platform.

Laboratory compaction results and corresponding calibration data will be appended to this report upon receipt to support final verification.

All testing to date either meets or exceeds the performance requirements.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Platt from Bansco has been on site overseeing the works Monday to Friday during Week 05.

Scott Spencer (Stantec Geotechnics) visited the site on Tuesday 24/06/25. Only minor comments were made regarding the fill at the surface containing some oversize fragments. C&R confirmed these are all removed or treated prior to signoff to ensure compaction is suitably achieved.

6.2 Complaints and Resolution Actions Completed

No complaints have been raised during Week 05.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 05.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 03/06/25.

6.4 Long Lead In/ Early Warning Record

C&R are now in receipt of the formal Contract, superseding the £150,000.00 Letter of Intent. Critical Path orders are now being placed. Revision 5 programme issued 20/06/25 & timeframe issued weekly, as agreed, on 23/06/25.

6.5 Other Technical Items of Note

Note the deep unforeseen additional relict structure below C&Rs Contractual boundary of 2m bOGL has been removed to -5.5m as Instructed and Agreed, below Unit 4. BWB & Stantec have visited the site on 30/06/25 to assess whether more is required to be removed, as the structure progresses below -5.5m. It has been agreed to undertake further Additional Works to remove obstructions below the foundation line and further investigate the build up below -5.5m.

6.6 Any Other Business

Note site cleaner employed as Instructed for and on behalf of Bansco team.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 5
23/06/25 - 27/06/25




Additional works culvert stat removal as Instructed (CVI002) reinstatement completed 24/06/25.




Remediation and removal of relict foundations to base of excavation and reengineering works in accordance with MCHW Series 600 below Unit 3.




Deep relict structre removal below Unit 4 Instructed for removal (see CVI003). Excavation progressed via observation of brickwork at C&R Contractual boundary of OGL -2m. Brickwork was removed as relict arches, which was further Instructed for removal to -4.0m bOGL. Agreed Instructed Additional works excavations are still continuing down to 5.3m. Instructed to stand and await technical assessment from Stantec/ BWB to advise if further removals are required as of 0730am 27/06/25. Note impact of additional excavtion depth, hardstanding volume for crushing, void space loss of fill material constrained working & phasing impacts due to temporary works for Agreed Instructed Additional Works excavation.




In situ performance testing ongoing including mexeprobe and shear vane in accordance with the agreed and approved ITP. Nuclear density gauge testing conducted by TD Construction Testing Ltd. below Units 3 & 4. All testing to date is above the required specification (no failures).



Drone progress drawing as of 1430 27/06/25. See C332/WRD/005 for further information.

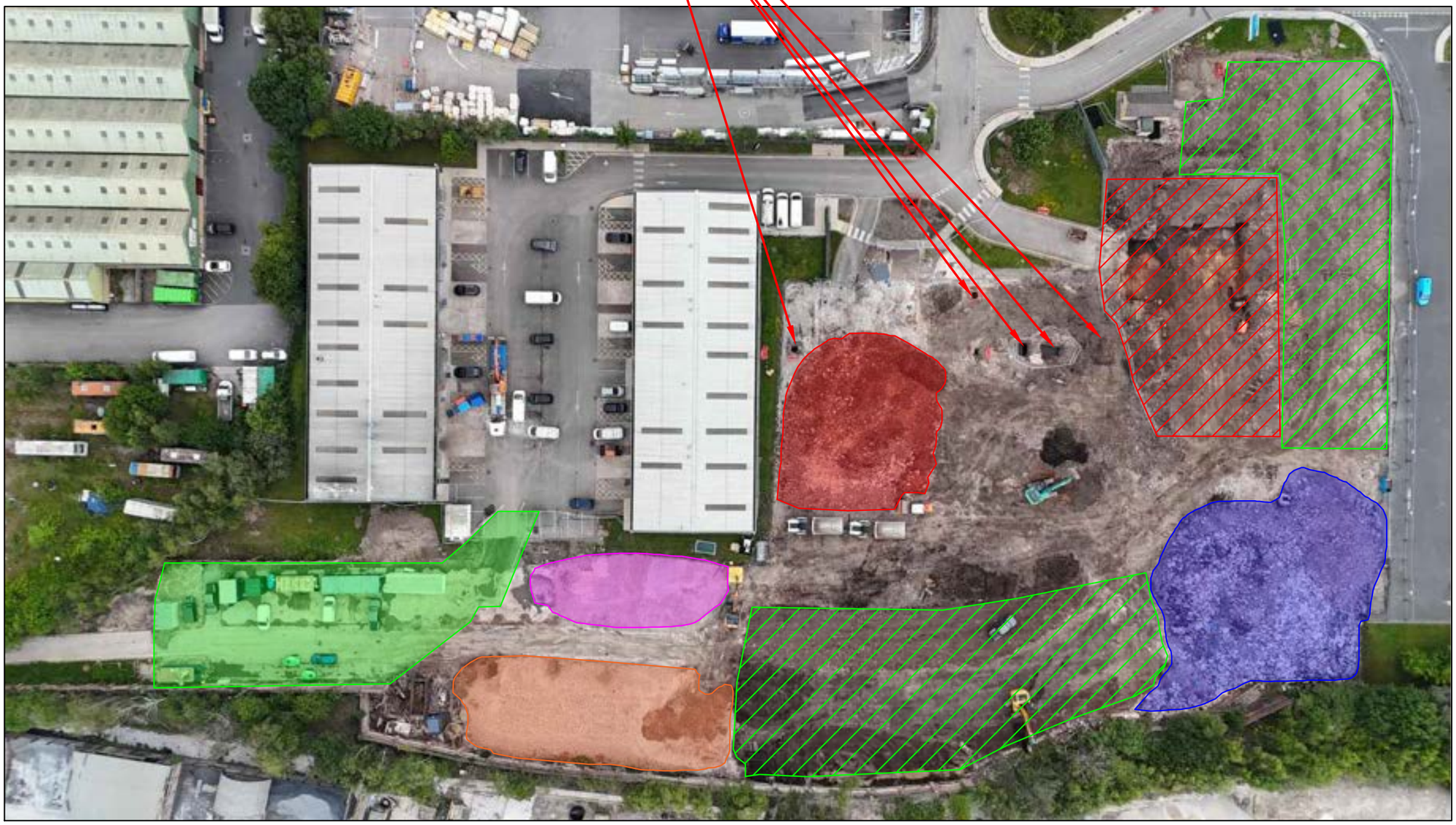
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APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Drawing Number C332/WRD/005 Rev A

Additional Works investigation and trial pits to locate unforseen culvert stat including breakout and dewatering.



North

C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Oversized brickwork to be processed to a 6F2 specification, including additional crush volume from additional works relict structure removal as Instructed. See CVI003.
- Oversized hardcore stockpiled in anticipation of production of recycled MOT (asphalt and concrete only in accordance with Clause 803 of *MCHW* Series 800).
- Demolition contractor 6F2 stockpile for reuse during the works.
- Recovered quarried MOT stockpiled separately for reuse during the works.
- Additional works compound area 2 established including perimeter fencing.
- Relict slab, relict foundations and remediation to base of excavation complete, including reengineering of soil materials in accordance with the *MCHW* Series 600. Areas ready for Landpac exercise.
- Additional Instructed Works relict structure removal in accordance with CVI003, now at 5.3m bOGL, 3.3m below C&Rs Contractual boundary of 2m bOGL.

Note Landpac now in delay due to Unit 4 Agreed Instructed Additional Works at -2m to -6m bOGL

Note Additional Works (CVI003) impact on Addtiional excavation depth, Additional hardstanding volume for crushing, void space loss of fill material, constrained working and phasing impacts.

Unit 3 and 4 footprints now over 50% complete.

Read in conjunction with Weekly Environmental Report No. 05 (C332/WER/001/05) for full breakdown of works during week 05 (Section 1.0).

Rev	Date	Description
A	27/06/25	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 05

Project Code C332
Scale 1: 750 (approx.)
Date Drawn 27/06/25
Drawn By TM
Reviewed By AR
Original Size A3

Drawing Number C332/WRD/005
Rev A

Rev A

Drawing Number C332/SK/PHI/001

Impact of unforeseen, deep (-2m to -5m) structure Additional Works

Additional brick stockpile due to unforeseen deep (below 2m) obstructions restricting car park progress (to be crushed to 6F2; 1400m3).

Unforeseen -2m to -5m structure Additional Works removal.

Crushing team called in early due to increase in volume of breakout for processing to 6F2.

North



Compound area.

Areas of completed works ready for Landpac dynamic compaction.

Waste area.

Unforeseen stats restricting areas of access/ works and increasing crushing volume, reducing soil materials and increasing import.

Additional stockpile due to unforeseen -2m to -5m structure arisings that will be double handled & constrain the car park progress.

Greater crush pile volume due to Additional Works obstructions/ channel.

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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

Rev	Date	Description
A	26/06/25	Information

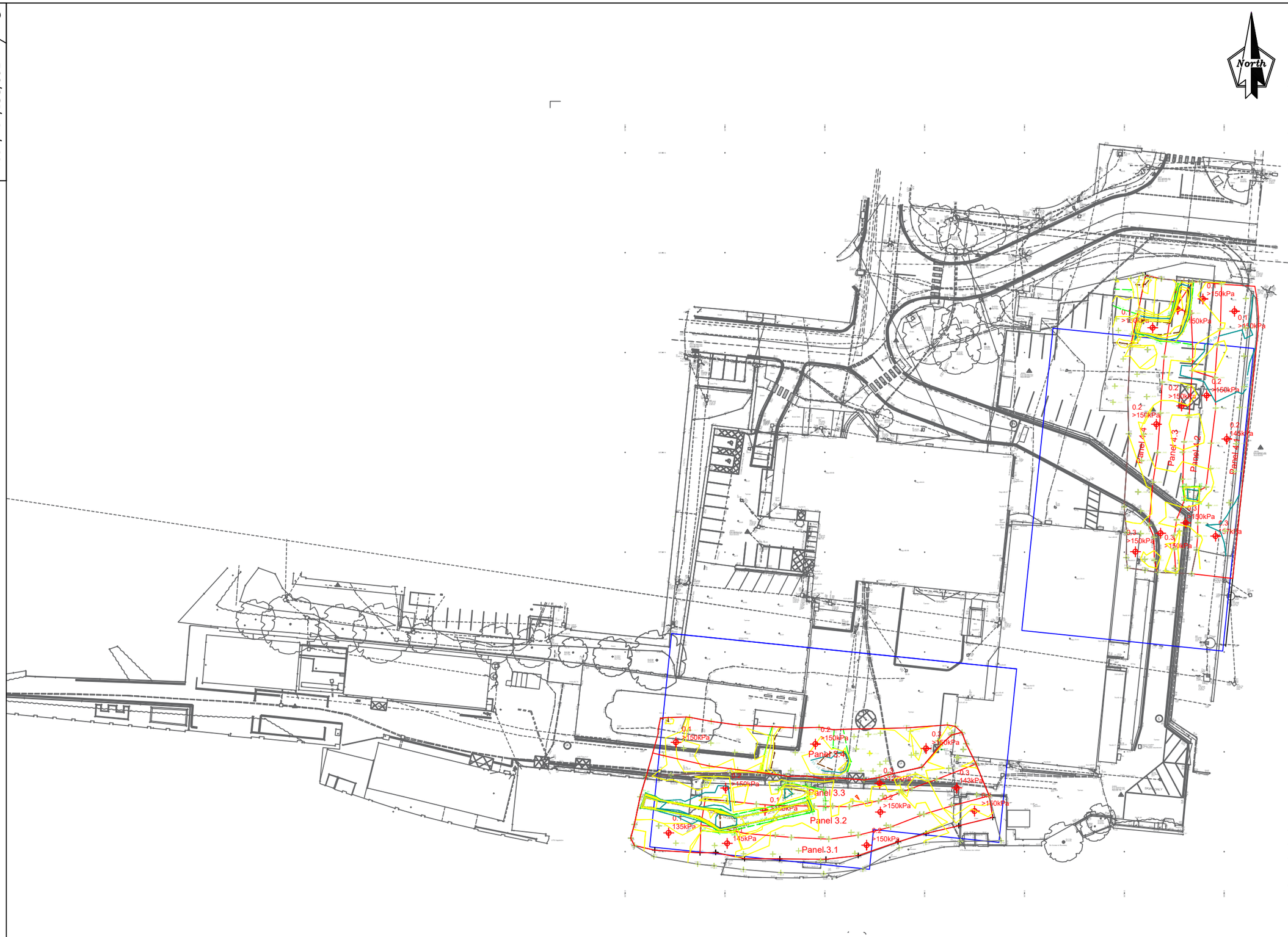
Drawing Status
Information

Drawing Title
City Works Phasing Impact of Unit 4

Project Code C332
Scale 1: 750 (approx.)
Date Drawn 26/06/25
Drawn By TM
Reviewed By AR
Original Size A3

Drawing Number C332.SK.PHI.001
Rev A

Drawing Number C332/ASB/ISG/001 / Rev C



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

All results shown are the average of 3 tests within any given testing locality.
All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
Panel numbers denote unit they sit below (1 - 4) with decimal place being panel below x unit. 5.y denotes panels outside of unit areas.
Test number denotes layer and location within panel. 0.1 denotes layer 0 (base of excavation) and first test within panel.
Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.
Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
C	30/06/25	As-Built

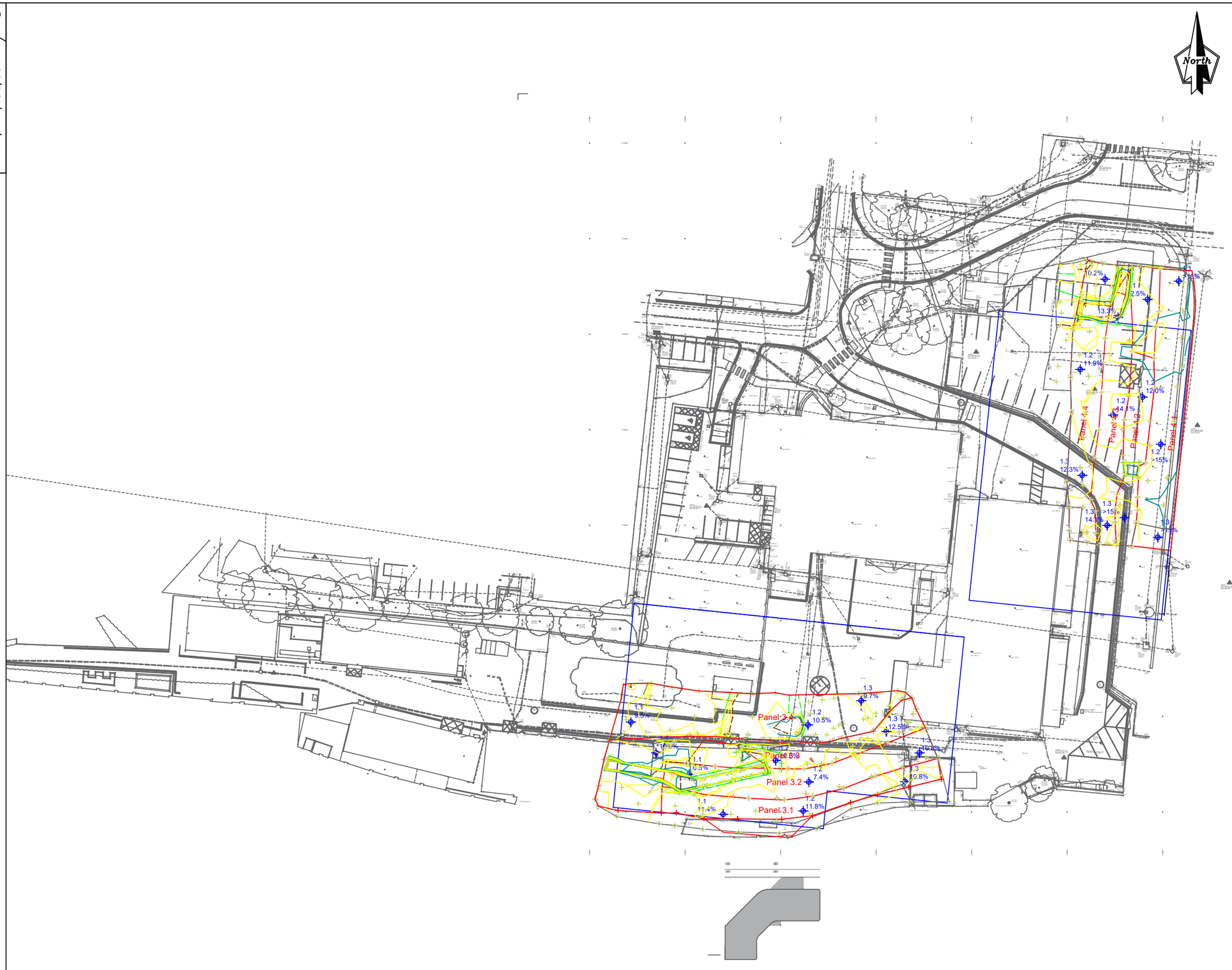
Drawing Status
As-Built

Drawing Title
In-situ Geotechnical Testing
Base of Excavation

Project Code	C332	Scale	1: 750
		Date Drawn	23/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/ASB/ISG/001 / Rev B

Drawing Number C332/ASB/ISG/002 / Rev C



C&R
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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

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Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
C	30/06/25	As-Built

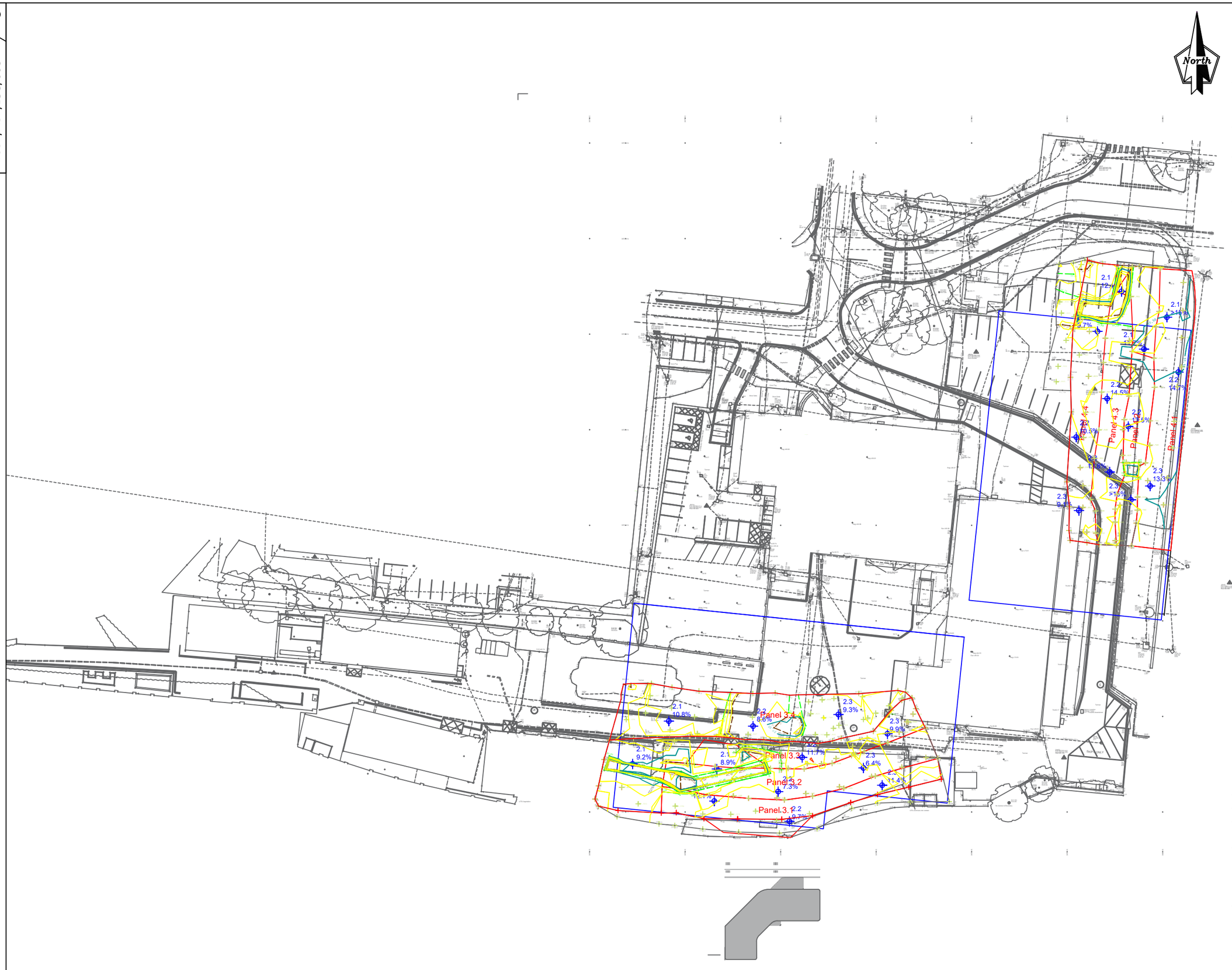
Drawing Status
As-Built

Drawing Title
In-situ Geotechnical Testing Layer 1

Project Code	C332	Scale	1: 750
		Date Drawn	16/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/ASB/ISG/002 / Rev C

Drawing Number C332/ASB/ISG/003 / Rev C



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

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Panel numbers denote unit they sit below (1 - 4) with decimal place being panel below x unit. 5.y denotes panels outside of unit areas.
Test number denotes layer and location within panel. 0.1 denotes layer 0 (base of excavation) and first test within panel.
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Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
C	30/06/25	As-Built

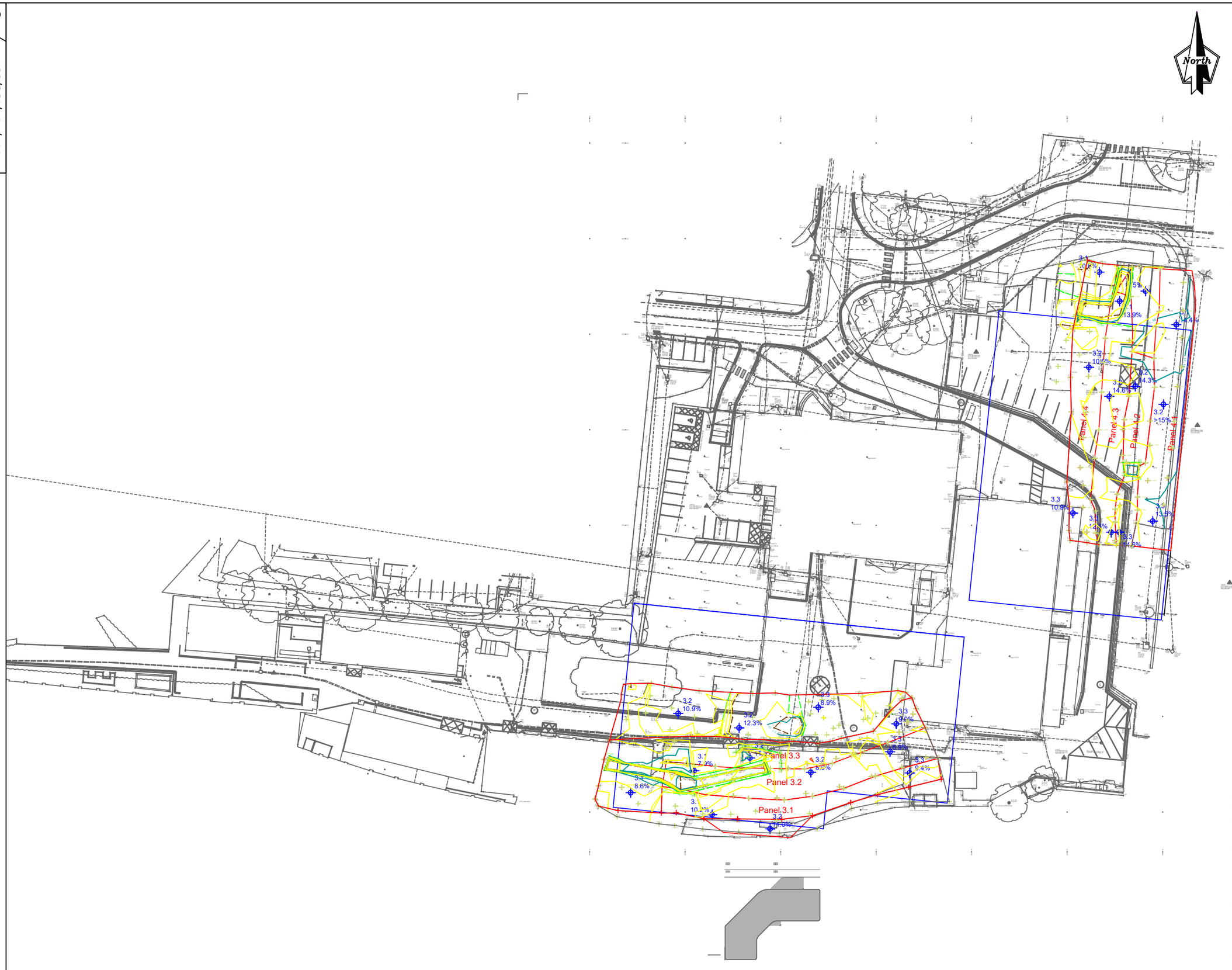
Drawing Status
As-Built

Drawing Title
In-situ Geotechnical Testing Layer 2

Project Code	C332	Scale	1: 750
		Date Drawn	16/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/ASB/ISG/003 / Rev C

Drawing Number C332/ASB/ISG/004 Rev C



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

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Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
C	30/06/25	As-Built

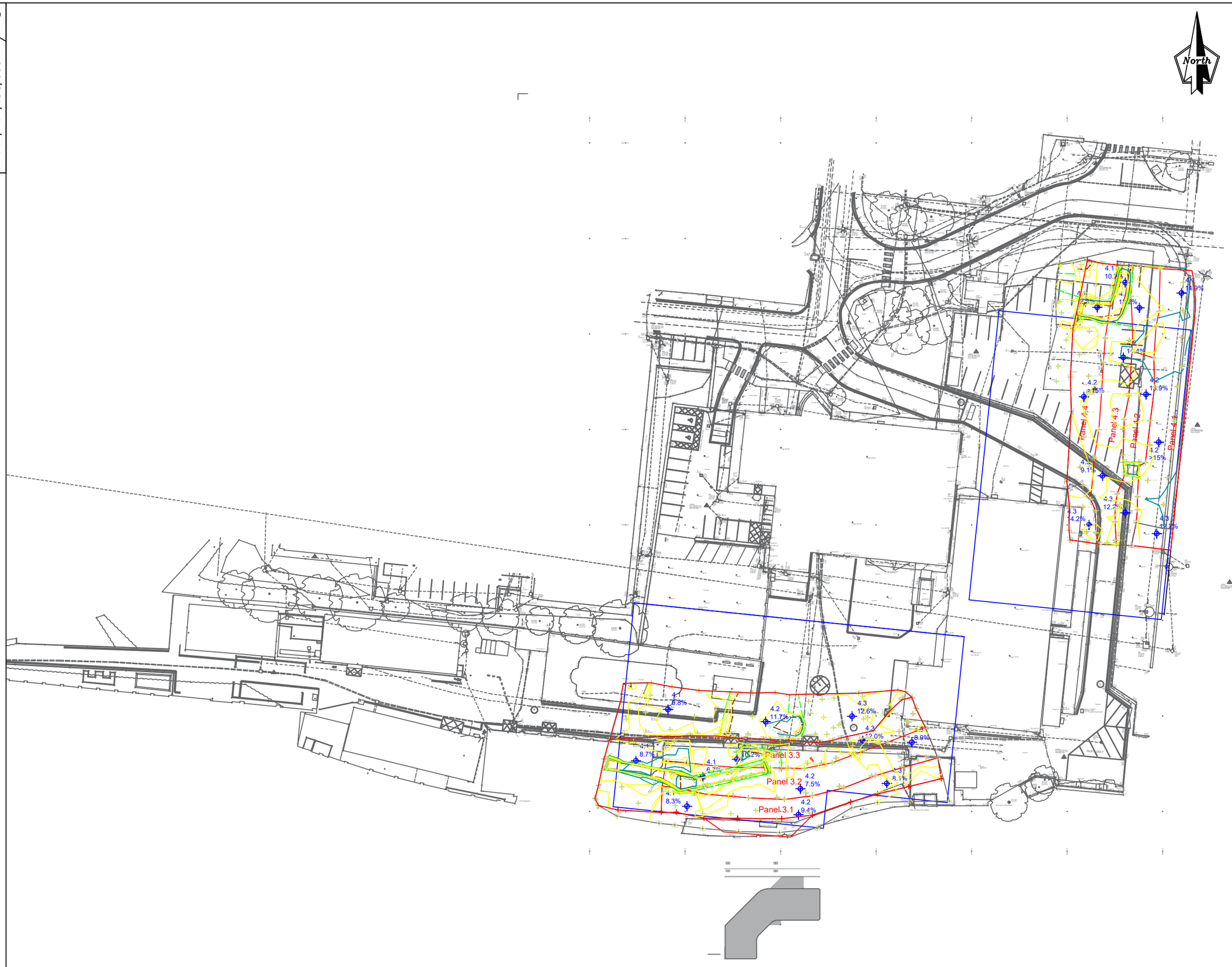
Drawing Status
As-Built

Drawing Title
In-situ Geotechnical Testing Layer 3

Project Code	C332	Scale	1: 750
		Date Drawn	16/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/ASB/ISG/004 Rev C

Drawing Number C332/ASB/ISG/005 Rev C



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

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Test number denotes layer and location within panel. 0.1 denotes layer 0 (base of excavation) and first test within panel.
Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.
Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
C	30/06/25	As-Built

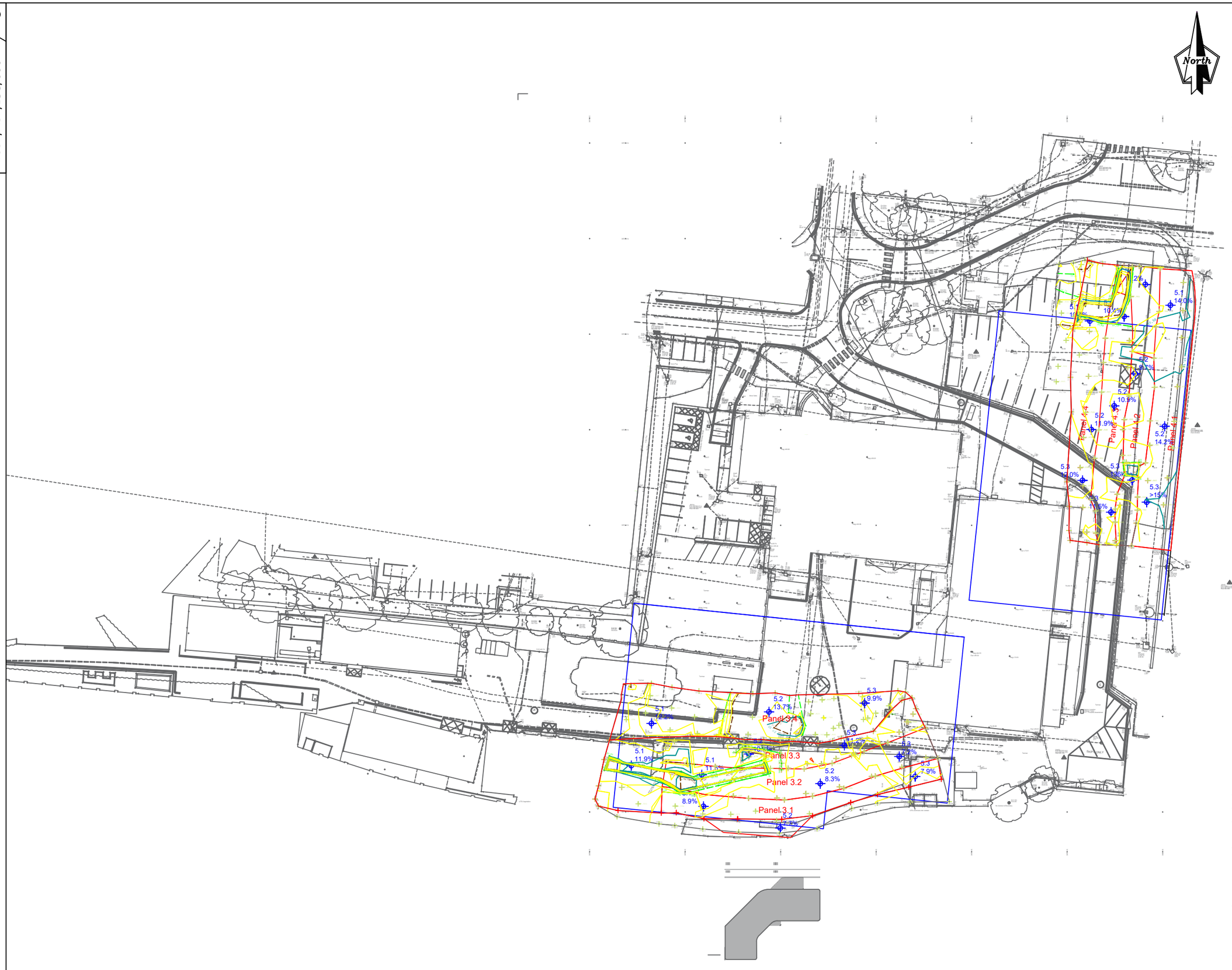
Drawing Status
As-Built

Drawing Title
In-situ Geotechnical Testing Layer 4

Project Code	C332	Scale	1: 750
		Date Drawn	16/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/ASB/ISG/005 Rev C

Drawing Number C332/ASB/ISG/006 Rev C



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Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Hand shear vane location
- Mexeprobe location

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All depths are approximate.
PL = panel excavation. Refer to as-built for locations.
Panel numbers denote unit they sit below (1 - 4) with decimal place being panel below x unit. 5.y denotes panels outside of unit areas.
Test number denotes layer and location within panel. 0.1 denotes layer 0 (base of excavation) and first test within panel.
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Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.
Hand shear vane maximum reading = 150kPa.
Mexeprobe maximum reading = 15% CBR.

Rev	Date	Description
C	30/06/25	As-Built

Drawing Status
As-Built

Drawing Title
In-situ Geotechnical Testing Layer 5

Project Code	C332	Scale	1: 750
		Date Drawn	16/06/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/ASB/ISG/006 Rev C

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	C332	Project Code	City Wks
Client	Bouygues		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 12C 1011mb	Dry 18C 1013mb	Dry 17C 1013mb
Wind • Speed? • Direction?	W 16mph	W 18mph	SW 12mph
Noise Readings	N_1: 72.3 77.4 N_2: N_3: 68.0 75.3 N_4: N_5: 64.7 71.5 N_6: 54.9 62.0 N_7:	N_1: 68.2 75.4 N_2: 69.5 77.1 N_3: N_4: 66.0 71.5 N_5: N_6: 54.7 61.6 N_7:	N_1: 69.8 76.4 N_2: N_3: 70.3 78.0 N_4: 63.8 69.4 N_5: N_6: 56.0 61.0 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Mon 23/06	Checked by Site / Manager		

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Wet 14° 1008mb	Dry 21° 1009mb	Dry 20° 1009mb
Wind • Speed? • Direction?	SW 11mph	WSW 18mph	WSW 14mph
Noise Readings	N_1: 71.0 77.0 N_2: 69.5 74.6 N_3: 65.6 73.0 N_4: 55.6 62.9 N_5: N_6: N_7:	N_1: 71.8 78.5 N_2: 69.5 75.2 N_3: 66.2 73.2 N_4: 57.0 62.8 N_5: N_6: N_7:	N_1: 71.7 78.7 N_2: 68.5 73.7 N_3: 65.5 73.1 N_4: 56.1 62.8 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP, SS	DP →	→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Tues 24/06	Checked by Site / Manager		

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bam Sco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 15°C 1011mb	Dry 22° 1011mb	Dry 22° 1009mb
Wind • Speed? • Direction?	WSW 6mph	W 7mph	N 4mph
Noise Readings	N_1: 70.6 77.2 N_2: N_3: 70.3 77.9 N_4: 65.0 72.6 N_5: 56.1 63.0 N_6: N_7:	N_1: 70.8 77.9 N_2: N_3: 69.8 74.1 N_4: 65.2 70.4 N_5: 56.9 64.1 N_6: N_7:	N_1: 69.8 76.5 N_2: N_3: 69.4 75.8 N_4: N_5: 64.2 70.1 N_6: N_7: 55.8 61.6
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NAV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	25/06/25 Wed	Checked by Site / Manager		

C&R	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	D 15C 1006mb	D 14C 1012mb	D 14C 1015mb
Wind • Speed? • Direction?	S 11mph	W 18mph	WSW 9mph
Noise Readings	N_1: 69.7 75.9 N_2: N_3: 68.8 74.6 N_4: 66.5 79.6 N_5: 57.0 63.3 N_6: N_7:	N_1: 71.0 76.0 N_2: N_3: 69.1 74.7 N_4: 64.6 71.2 N_5: 55.3 61.9 N_6: N_7:	N_1: 70.0 77.2 N_2: N_3: 68.4 74.3 N_4: N_5: 66.2 71.7 N_6: 57.3 63.6 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP	→	→
Monitoring • Any sampling/monitoring undertaken?	NDV	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	JM	**Signature**	[redacted]
Day & Date	Thurs 26/06	**Checked by Site / Manager**	

C&R	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bamsco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 14°C 1017mb	Dry 24°C 1016mb	Dry 22°C 1017mb
Wind • Speed? • Direction?	S 7 mph	SW 12mph	SSW 11mph
Noise Readings	N_1: 71.4 78.1 N_2: N_3: 67.2 74.6 N_4: N_5: 64.9 70.3 N_6: 55.3 63.0 N_7:	N_1: 69.4 75.5 N_2: N_3: 68.2 84.9 N_4: N_5: 64.8 70.6 N_6: N_7: 54.7 66.8	N_1: 71.6 77.9 N_2: N_3: 69.6 74.9 N_4: 66.4 74.1 N_5: N_6: 55.9 61.7 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NOV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence → Dust		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]		
Day & Date	Fri 27/06	**Checked by Site / Manager**			

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE. BY DESIGN

APPENDIX D – Chemical Results

envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/06368
Issue Number: 1 **Date:** 25 June, 2025

Client:
Civils and Remediation Ltd
Grosvenor House
3 Chapel Street
Congleton
Cheshire
UK
CW12 4AB

Project Manager: Tom Magee
Project Name: City Works 4
Project Ref: C332
Order No: C332-SCO-006
Date Samples Received: 13/06/25
Date Instructions Received: 16/06/25
Date Analysis Completed: 25/06/25

Approved by:

[redacted]
Gemma Berrisford
Deputy Client Services Supervisor

Envirolab Job Number: 25/06368

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/06368/1	25/06368/2	25/06368/3	25/06368/4	25/06368/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/RMOT/1/1	CL/RMOT/1/2	CL/R6F2/1/1	CL/R6F2/1/2	CL/F/1/1					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25					
Sample Type	SOIL - ES	SOIL - ES	SOLID	SOIL - ES	SOIL - ES					
Sample Matrix Code	6A	6AB	7	6AB	4AB					
% Stones >10mm$_A$	<0.1	14.3	<0.1	10.7	<0.1			% w/w	0.1	A-T-044
Cyanide (free)$_A^{M\#}$	<1	<1	<1^U	<1	<1			mg/kg	1	A-T-042sFCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2			mg/kg	0.2	A-T-050s
Arsenic$_D^{M\#}$	2	2	3^U	4	15			mg/kg	1	A-T-024s
Barium$_D^{\#}$	98	107	131^U	177	142			mg/kg	3	A-T-024s
Beryllium$_D$	<0.5	<0.5	<0.5	<0.5	1.3			mg/kg	0.5	A-T-024s
Boron (water soluble)$_D^{M\#}$	<1.0	<1.0	1.2^U	1.1	1.7			mg/kg	1	A-T-027s
Cadmium$_D$	<1.0	1.0	<1.0	<1.0	<1.0			mg/kg	1	A-T-024s
Copper$_D^{M\#}$	11	14	11^U	13	83			mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	7	10	13^U	11	24			mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1			mg/kg	1	A-T-040s
Chromium (trivalent)	7	10	13	11	24			mg/kg	1	Calc
Lead$_D^{M\#}$	47	52	28^U	47	146			mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	<0.17	<0.17			mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	8	10	9^U	8	123			mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	<1	<1	<1^U	<1	<1			mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	7	7	17^U	13	30			mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	53	59	64^U	121	83			mg/kg	1	A-T-024s

Envirolab Job Number: 25/06368

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/06368/1	25/06368/2	25/06368/3	25/06368/4	25/06368/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/RMOT/1/1	CL/RMOT/1/2	CL/R6F2/1/1	CL/R6F2/1/2	CL/F/1/1					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25					
Sample Type	SOIL - ES	SOIL - ES	SOLID	SOIL - ES	SOIL - ES					
Sample Matrix Code	6A	6AB	7	6AB	4AB					
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	NAD	NAD^U	NAD	Chrysotile					A-T-045
Asbestos Matrix (visual)$_D$	-	-	-	-	-					A-T-045
Asbestos Matrix (microscope)$_D$	-	-	-	-	Loose Fibres					A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	N/A	N/A					A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_D$	-	-	-	-	<0.001			% w/w	0.001	A-T-054

Envirolab Job Number: 25/06368

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/06368/1	25/06368/2	25/06368/3	25/06368/4	25/06368/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/RMOT/1/1	CL/RMOT/1/2	CL/R6F2/1/1	CL/R6F2/1/2	CL/F/1/1					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25					
Sample Type	SOIL - ES	SOIL - ES	SOLID	SOIL - ES	SOIL - ES					
Sample Matrix Code	6A	6AB	7	6AB	4AB					
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.04	0.04	<0.03^U	0.09	0.11			mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.02	0.02	<0.01^U	<0.01	0.17			mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.10	0.11	<0.02^U	0.10	0.63			mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.24	0.25	0.05^U	0.13	1.76			mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.20	0.19	0.05^U	0.10	1.36			mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.26	0.25	0.07^U	0.13	1.97			mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.16	0.14	<0.05^U	0.07	0.97			mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.08	0.09	<0.07^U	<0.07	0.74			mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.23	0.22	0.08^U	0.15	1.53			mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04^U	<0.04	0.19			mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.51	0.43	0.13^U	0.35	3.36			mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.04	0.04	<0.05^U	0.09	0.25			mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.13	0.12	0.03^U	0.06	1.04			mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03^U	0.07	0.16			mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.30	0.31	0.16^U	0.45	1.98			mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.44	0.40	0.17^U	0.35	2.58			mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	2.75	2.61	0.74^U	2.14	18.8			mg/kg	0.01	A-T-019s

Envirolab Job Number: 25/06368

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/06368/1	25/06368/2	25/06368/3	25/06368/4	25/06368/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/RMOT/1/1	CL/RMOT/1/2	CL/R6F2/1/1	CL/R6F2/1/2	CL/F/1/1					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25					
Sample Type	SOIL - ES	SOIL - ES	SOLID	SOIL - ES	SOIL - ES					
Sample Matrix Code	6A	6AB	7	6AB	4AB					
VOC excl. BTEX										
Dichlorodifluoromethane$_A$	<1	<1	<1	<1	<1			µg/kg	1	A-T-006s
Chloromethane$_A$	<10	<10	<10	<10	<10			µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Bromomethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Chloroethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Trichlorofluoromethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,1-Dichloroethene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Carbon Disulphide$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Dichloromethane$_A$	<5	<5	<5	<5	<5			µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,1-Dichloroethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
2,2-Dichloropropane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Bromochloromethane$_A^\#$	<5	<5	<5^U	<5	<5			µg/kg	5	A-T-006s
Chloroform$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,1-Dichloropropene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Carbon Tetrachloride$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,2-Dichloroethane$_A^\#$	<2	<2	<2^U	<2	<2			µg/kg	2	A-T-006s
Trichloroethene$_A^\#$	<1	<1	<1^U	<1	1			µg/kg	1	A-T-006s
1,2-Dichloropropane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Dibromomethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Bromodichloromethane$_A^\#$	<10	<10	<10^U	<10	<10			µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,3-Dichloropropane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Tetrachloroethene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	<3	<3	<3^U	<3	<3			µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
Chlorobenzene$_A^\#$	<1	<1	<1^U	<1	<1			µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	<1	<1	<1	<1	<1			µg/kg	1	A-T-006s

Envirolab Job Number: 25/06368

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/06368/1	25/06368/2	25/06368/3	25/06368/4	25/06368/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/RMOT/1/1	CL/RMOT/1/2	CL/R6F2/1/1	CL/R6F2/1/2	CL/F/1/1					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25					
Sample Type	SOIL - ES	SOIL - ES	SOLID	SOIL - ES	SOIL - ES					
Sample Matrix Code	6A	6AB	7	6AB	4AB					
Styrene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<3	<3	<3^{U}	<3	<3			µg/kg	3	A-T-006s
Isopropylbenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1	<1	<1	<1	<1			µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	<2	<2	<2^{U}	<2	<2			µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1	<1	<1	<1	<1			µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2	<2	<2	<2	<2			µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3	<3	<3	<3	<3			µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1	<1	<1^{U}	<1	<1			µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3	<3	<3	<3	<3			µg/kg	3	A-T-006s

Envirolab Job Number: 25/06368

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/06368/1	25/06368/2	25/06368/3	25/06368/4	25/06368/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/RMOT/1/1	CL/RMOT/1/2	CL/R6F2/1/1	CL/R6F2/1/2	CL/F/1/1					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25					
Sample Type	SOIL - ES	SOIL - ES	SOLID	SOIL - ES	SOIL - ES					
Sample Matrix Code	6A	6AB	7	6AB	4AB					
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<10	<1	<1			mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	<10^U	5	<1			mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	<1	33^U	25	1			mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	2	2	53^U	51	5			mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	46	30	411^U	136	68			mg/kg	1	A-T-055s
Total Aliphatics$_A$	48	32	498	216	74			mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	<10	<1	<1			mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	<1	<10	3	<1			mg/kg	1	A-T-055s
Aro >C12-C16$_A$	5	3	39	21	8			mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	16	7	39^U	30	31			mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	49	25	135^U	38	121			mg/kg	1	A-T-055s
Total Aromatics$_A$	70	34	212	94	160			mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	118	66	710	310	234			mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01^U	<0.01	<0.01			mg/kg	0.01	A-T-022s

Report Notes

General

•This report shall not be reproduced, except in full, without written approval from Envirolab.
•The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
•The results reported herein relate only to the material supplied to the laboratory.
•The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
•Analytical results reflect the quality of the sample at the time of analysis only.
•Opinions and Interpretations expressed are outside our scope of accreditation.
•A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
•If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
•Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "D" on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript "^"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
"Trace Asbestos Identified" will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:
For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:
EPH CWG results have humics mathematically subtracted through instrument calculation.
Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:
Results greater than 12900µS/cm @ 25^0C / 11550µS/cm @ 20^0C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Civils and Remediation Ltd, Grosvenor House, 3 Chapel Street, Congleton, Cheshire, UK, CW12 4AB

Project: City Works 4

Clients Project No: C332

Project No: 25/06368

Date Received: 16/06/2025 (am)

Cool Box Temperatures (°C): 17.5

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/06368/1	25/06368/2	25/06368/3	25/06368/4	25/06368/5
Client Sample No					
Client Sample ID/Depth	CL/RMOT/1/1	CL/RMOT/1/2	CL/R6F2/1/1	CL/R6F2/1/2	CL/F/1/1
Date Sampled	12/06/25	12/06/25	12/06/25	12/06/25	12/06/25
A-T-006s	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025
A-T-019s	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025
A-T-022s	20/06/2025	20/06/2025	20/06/2025	20/06/2025	20/06/2025
A-T-024s	25/06/2025	25/06/2025	25/06/2025	25/06/2025	25/06/2025
A-T-027s	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025
A-T-040s	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025
A-T-042sFCN	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025
A-T-044	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025
A-T-045	18/06/2025	18/06/2025	18/06/2025	18/06/2025	18/06/2025
A-T-050s	19/06/2025	19/06/2025	19/06/2025	19/06/2025	19/06/2025
A-T-054					23/06/2025
A-T-055s	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025
Calc	25/06/2025	25/06/2025	25/06/2025	25/06/2025	25/06/2025
Calc-As Recd	23/06/2025	23/06/2025	23/06/2025	23/06/2025	23/06/2025

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN



City Works 4

Weekly Environmental Report, No. 06

Civil and Remediation Ltd.

C332/WER/001/06

July 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	07/07/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 6

Report Reference: C332/WER/001/06

Revision Number: 001

Issue Date: 07th July 2025

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Centrix House,
26 Crow Lane East,
Newton-le-Willows,
WA12 9UY

Principal Contractor: Bansco,
Pure House,
Bridge Street,
Horwich,
Bolton,
BL6 7BT

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3 Chapel Street
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CW12 4AB

Contents

1.0 Week 06 Scope of Works Undertaken 1
2.0 Week 07 Forecast Works Anticipated 2
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 3
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 4
5.0 Remediation, Earthworks and Geotechnics 4
5.1 Site Works 4
5.2 Geotechnical Design (Instructed Late May 2025 to C&R) 5
5.3 Geotechnical Results 5
6.0 Any Other Business 6
6.1 Site Visits, Attendances & Outcomes 6
6.2 Complaints and Resolution Actions Completed 6
6.3 Health, Safety and Welfare 7
6.4 Long Lead In/ Early Warning Record 7
6.5 Other Technical Items of Note 7
6.6 Any Other Business 7
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD

1.0 Week 06 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 30/06/25 to 04/07/25 (Week 06) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Dust suppression to manage dust liberation on site;
- Removal of below ground relict foundations below C&R vertical boundary as Instructed to stock in anticipation of processing to a recycled aggregate for reuse on site;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C/ 2C general fill materials for reengineering works;
- Reengineering of screened Made Ground materials in accordance with the *MCHW* Series 600 and associated testing in accordance with the agreed Inspection and Test Plan;
- Early mobilisation of the crushing team and commencement of crushing U1 oversized hardstanding to a 6F2 aggregate due to the volume of hardstanding and relict foundations removed to date from Contract works and Additional Works below C&Rs 2m boundary;
- Agreed and Instructed Additional Works to remove relict arch structure to up to 5.9m bOGL (removed in its entirety) below Unit 4 as Instructed by BWB and Bansco following excavation assessment;
- Agreed and Instructed Additional works removal of deep relict foundations to xxxm bOGL below Unit 3;
- Additional Works excavation and quarantine of hydrocarbon impacted materials below C&Rs 2m vertical boundary within Unit 3; and,
- Additional works reengineering back up to C&Rs 2m vertical boundary below Units 3 & 4.

All works during Week 06 were additional works on deep relict structures encountered below Units 3 & 4.

Note that the drainage works have been stood down due to a drainage design issue. C&R currently waiting on redesign and are to advise impact of the standdown once assessed in detail.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 07 Forecast Works Anticipated

The anticipated works in Week 07 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;
- Continuation of remediation works to remove relict foundations where required, screen materials to segregate U1 oversized hardstanding and separate Class 1C general fill materials for reengineering works;
- Delineation of visually identified hotspot at TP7 from the gap site investigation;
- Continuation of agreed Instructed Additional Works reengineering of obstruction removal excavations below C&Rs 2m vertical boundary;
- Continuation of crushing works to process Class U1 oversized hardstanding to a recycled 6F2 product for reuse on site; and,
- Continuation of the reengineering works in accordance with the *MCHW* Series 600.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	71.1	84.3	N	No exceedances.
NM2	North east	70.2	82.8	N	No exceedances.
NM3	South east	74.7	82.0	N	No exceedances.
NM4	West	63.1	84.9	N	No exceedances.

No exceedances were recorded during Week 06.

3.2 Vibration Monitoring

A summary of the measured vibration levels at the relevant monitoring locations over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0					
Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB3	South	1.5	0.724	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

Results will be provided in the appendices when obtained from the laboratory.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01 respectively).

4.1 Contaminated Soils & Materials

Within the Unit 3 area below C&Rs vertical boundary of 2m, hydrocarbon impacted soils were identified within the excavation.

These soils have been excavated to a bunded and lined quarantine area in accordance with the RSIP, under watching brief by C&Rs Geoenvironmental Manager.

Chemical samples have been taken from the walls and base of the excavation to validate that the hydrocarbon impacted materials have been successfully delineated. Results will be provided within the appendices once obtained.

Hotspot delineation works are scheduled to commence from week 07. This includes further investigation into potential hydrocarbons encountered at TP07 in the gap SI, with follow on delineation of VOC hotspots identified and asbestos watching brief/ hand picking exercise towards the west of the site.

Chemical samples of general fill material and 6F2 aggregates have been collected on Monday 07/07/25 (week 07) and are being sent to the laboratory for analysis.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 06, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

Week 06 has focused entirely on Additional Works with excavations & reinstatements below C&Rs 2m vertical boundary in both Unit 4 and Unit 3.

The eastern portion of the site is now completely stripped of hardstanding including the former compound area.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works are continuing with the removal of below ground obstructions and screening of materials to segregate Class 1C/ 2C general fill materials from oversized hardstanding below Units 3 & 4.

Note the Additional Instructed and Agreed Works below Unit 4 removing an unforeseen relict structure, consisting of brickwork arches and voids filled with stacked bricks and localised perched groundwater have been progressed as Instructed during Week 06. Removal works, including temporary works to facilitate the removals, have been completed at -5.9m bOGL. C&R Instructed to stand on Friday to await assessment from Stantec (Scott Spencer) and BWB (Warren Bennett), which occurred 12:30 30/06/25. Agreed outcome from the on site meeting was to continue to remove relict structures and voids below 5.5m BOGL in the line of the foundations, with additional investigations below the slab area to further understand the structure and potentially mitigate further Additional Works removals if not required. Upon completion of this exercise, competent natural strata was encountered at 5.9m bOGL and subsequently the entire structure, including all brickwork and voids, was removed to this level. Warren Bennett (BWB) visited the site post removal (Tuesday 01/07/25) and confirmed the excavation was sufficient and reengineering works can commence to bring the excavation back up to level.

Note the Additional Instructed Works excavation below Unit 3 to circa 4m has been completed during week 06 and reengineering works are progressing during week 07.

Reengineering works are in progress to bring the site up to the required levels, which are being conducted in accordance with the Specification for Highway Works Series 600, with all in-*situ* performance testing in place and passing the required specification in accordance with the agreed Inspection and Test Plan.

Samples of recycled aggregates and fill materials have been sent to the laboratory for geotechnical testing in accordance with the agreed Inspection and Test Plan. Testing results and assessments will be provided when available.

See C332/WRD/006 in Appendix B for a full display of works complete up to 04/07/25.

5.2 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

BWB are now establishing their works and order directly with Network Space, which may be the reason for the slight delay in their document issue.

C&R agreed to issue a Technical Note around our revised approach to capture earthworks efficiencies, for BWB to consider within their earthworks specifications. See Technical Note C332.TN.EW.001 for reference.

5.3 Geotechnical Results

In *situ* geotechnical testing has been undertaken during the earthworks from the base of excavation and across all engineered material layers. Summary results are provided in Table 3 below, with as-builts provided in Appendix B.

C&R agreed with BWB to conduct additional testing over and above the mexeprobe and shear vane tests (in *situ* density) in addition to our agreed ITP and RSIP.

Table 3 – In *Situ* Geotechnical Testing Results

Location	Depth (from OGL; m)	Test Type	Result (kPa or CBR%)
Panel 4.5 0.1	5.90	HSV	>150
Panel 4.5 1.1	5.65	Mexe	14.3
Panel 4.5 2.1	5.40	Mexe	13.2
Panel 4.5 3.1	5.15	Mexe	>15
Panel 4.5 4.1	4.95	Mexe	14.9
Panel 4.5 5.1	4.70	Mexe	12.2
Panel 4.5 6.1	4.45	Mexe	10.8
Panel 4.5 7.1	4.20	Mexe	12.7
Panel 4.5 8.1	3.95	Mexe	10.0

Panel 4.5 9.1	3.70	Mexe	10.9
Panel 4.5 10.1	3.45	Mexe	12.3
Panel 4.5 11.1	3.20	Mexe	>15
Panel 4.5 12.1	2.95	Mexe	14.2
Panel 4.5 13.1	2.70	Mexe	11.7
Panel 4.5 14.1	2.45	Mexe	12.6
Panel 4.5 15.1	2.20	Mexe	12.2
Panel 4.5 16.1	1.95	Mexe	13.7

Table 3 Footnotes:

See drawings C332/ASB/ISG/001-007 in Appendix A for further location information.

All results shown in Table 3 are the average of 3 tests within any given testing locality.

All depths are approximate.

PL = panel excavation. Refer to as-built for locations.

First number on tests denote layer. 0.x = Base of Excavation. 1.y = first layer. Second number denotes locality, shown on the As-Built drawing as previously referenced.

Testing has been progressed in accordance with all relevant standards and guidance. Tests have not been recorded where a cobble or similar has been encountered during the test.

Mexeprobe results for CBR shown as a percentage. Hand shear vane values in kPa.

Hand shear vane maximum reading = 150kPa.

Mexeprobe maximum reading = 15% CBR.

All testing to date either meets or exceeds the performance requirements.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Platt from Bansco has been on site overseeing the works Monday to Friday during Week 05.

Scott Spencer (Stantec Geotechnics) & Warren Bennett visited the site on Monday 30/06/25 to assess the Additional Instructed Works relict structure removal in the Unit 4 area. It was agreed to remove a strip below the foundations and then trial pit in the remaining area below Unit 4 to ascertain the extent of structure. See Section 5.1 for more information.

Warren Bennett (BWB) visited the site on Thursday 03/07/25 to inspect the completed Additional Works excavation below unit 4, with all relict structures and voids removed. Warren advised that the excavation was then suitable for reengineering works, founding on competent natural strata.

Daniel McCord (C&R SHE) visited the site on 03/07/25. No major faults were reported.

6.2 Complaints and Resolution Actions Completed

No complaints have been raised during Week 06.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 06.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 03/06/25.

6.4 Long Lead In/ Early Warning Record

No long lead in/ early warnings are noted during Week 06.

6.5 Other Technical Items of Note

No other technical items of note are recorded during Week 06.

6.6 Any Other Business

Note site cleaner employed as Instructed for and on behalf of Bansco team.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 6
30/07/25 - 04/07/25



Unit 3 Additional Instructed remediation works below 2m continue.



Unit 3 Additional Instructed obstruction removal complete and reengineering works continue in accordance with the method related *MCHW* Series 600 specification.



Additional Instructed deep excavation below C&R boundary complete at -5.9m bOGL, encountering weathered sandstone. BWB inspected and advised excavation is acceptable for reengineering works.



Reengineering of Additional Instructed -5.9m excavatior under unit 4 ongoing in accordance with method relatec *MCHW* Series 600.



Additional welfare cabin mobilised as Instructed due to number of operatives on site (crushing, drainage, remediation teams).



Note drainage team stood down and demobilised as Instructed due to Stantec design issue with invert level. Awaiting redesign of drainage by Stantec and impact assessment on materials, plant, labour & costs. Road sweeper employed to clean cark park post demobilisation.



Weekly progress as of 04/07/25. Note crushing team on site. See C332/WRD/006 for further information.

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Drawing Number C332/WRD/006

Rev A

Additional Works investigation and trial pits to locate unforseen culvert stat including breakout and dewatering.



Note Additional welfare cabin mobilised and stacked as Instructed due to number of operatives on site (remediation, drainage, crushing teams).

Note drainage team stood down & demobilised due to Stantec design issue. Awaiting redesign and subsequent confirmation of redesign impact from drainage team.

Note crushing team mobilised early due to additional volume of hardstanding recovered from Instructed Additional Works below C&R boundary of 2m to date.

C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Oversized brickwork to be processed to a 6F2 specification, including additional crush volume from additional works relict structure removal as Instructed. See CVI003.
- Oversized hardcore stockpiled in anticipation of production of recycled MOT (asphalt and concrete only in accordance with Clause 803 of *MCHW* Series 800).
- Demolition contractor 6F2 stockpile for reuse during the works.
- Recovered quarried MOT stockpiled separately for reuse during the works.
- Additional works compound area 2 established including perimeter fencing.
- Relict slab, relict foundations and remediation to base of excavation complete, including reengineering of soil materials in accordance with the *MCHW* Series 600.
- Additional Instructed Works relict structure removal in accordance with CVI003, complete at 5.9m bOGL, 3.9m below C&Rs Contractual boundary of 2m bOGL. Works now reengineering up from weathered sandstone base.
- Additional Instructed works complete below C&Rs boundary of 2m and reengineering works continue in accordance with *MCHW* Series 600.

Note assessments ongoing by BWB to mitigate Landpac, cement stabilisation and ground gas CS2 requirements following bulk assessment of ground condtions.

Note Additional Works (CVI003) impact on Addtiional excavation depth, Additional hardstanding volume for crushing, void space loss of fill material, constrained working and phasing impacts.

Unit 3 and 4 footprints now over 50% complete.

Read in conjunction with Weekly Environmental Report No. 06 (C332/WER/001/06) for full breakdown of works during week 06 (Section 1.0).

Rev	Date	Description
A	04/07/25	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 06

Project Code	C332	Scale	1: 750 (approx.)
		Date Drawn	04/07/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/WRD/006

Rev A

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bamsco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 16°C 1019mb	Dry 29°C 1015 mb	Dry 28°C 1014mb
Wind • Speed? • Direction?	N 4mph	SSW 8 mph	W 7mph
Noise Readings	N_1: 66.9 87.0 N_2: 75.2 79.9 N_3: 73.5 78.5 N_4: 68.0 85.8 N_5: N_6: N_7:	N_1: 65.3 70.8 N_2: 74.5 76.5 N_3: 73.2 76.7 N_4: 55.2 59.2 N_5: N_6: N_7:	N_1: 69.3 73.9 N_2: 69.4 73.2 N_3: 76.3 79.9 N_4: 65.5 70.9 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP SS WD	DP	DP
Monitoring • Any sampling/monitoring undertaken?	NOV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc → Dust	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Mon 30/06	Checked by Site / Manager		

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bam Sco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 17°C 1016mb	Dry 20°C 1017mb	Dry 19°C 1017mb
Wind • Speed? • Direction?	W 5mph	W 7mph	W 6mph
Noise Readings	N_1: 61.7 87.8 N_2: 70.3 73.2 N_3: 66.3 72.0 N_4: 66.0 61.9 N_5: N_6: N_7:	N_1: 73.6 77.2 N_2: 75.1 77.2 N_3: 75.1 79.4 N_4: 66.1 70.3 N_5: N_6: N_7:	N_1: 76.7 74.5 N_2: 67.6 82.8 N_3: 76.1 78.8 N_4: 67.0 71.7 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	PP →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Tues 01/07	Checked by Site / Manager		

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bunzl		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 14°C 1018mb	Dry 19°C 1020mb	Dry 17°C 1023mb
Wind • Speed? • Direction?	W 10mph	W 17mph	WNW 9mph
Noise Readings	N_1: 78.4 83.7 N_2: 77.5 79.9 N_3: 76.3 79.4 N_4: 60.2 64.6 N_5: N_6: N_7:	N_1: 67.1 71.2 N_2: 77.9 79.9 N_3: 76.0 78.6 N_4: 60.3 63.1 N_5: N_6: N_7:	N_1: 76.1 86.6 N_2: 65.4 70.7 N_3: 74.6 78.8 N_4: 64.0 69.6 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NDP →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	02/07 Wed	Checked by Site / Manager		

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Network Space		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 10°C 1028mb	Dry 20C 1028mb	Dry 20C 1028mb
Wind • Speed? • Direction?	W 7mph	W 10mph	W 7mph
Noise Readings	N_1: 72.4 75.9 N_2: N_3: 65.2 69.7 N_4: 66.9 69.0 N_5: 60.6 80.2 N_6: N_7:	N_1: 72.8 78.0 N_2: N_3: 66.5 71.4 N_4: 77.5 79.9 N_5: 63.6 70.1 N_6: N_7:	N_1: 68.3 80.0 N_2: 68.9 73.0 N_3: 79.8 81.6 N_4: 64.0 80.2 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP	PP WB	PP
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Thurs 3/7	Checked by Site / Manager		

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	C332	Project Code	City Works
Client	Bouygues		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 12°C 1025mb	Dry 21°C 1022mb	Dry 16°C 1018mb
Wind • Speed? • Direction?	S 9mph	SW 17mph	SSW 11mph
Noise Readings	N_1: 74.9 77.7 N_2: 66.2 81.7 N_3: 76.5 79.2 N_4: 65.6 69.5 N_5: N_6: N_7:	N_1: 71.2 84.3 N_2: 65.7 71.4 N_3: 76.0 82.0 N_4: 69.8 72.0 N_5: N_6: N_7:	N_1: 66.1 82.8 N_2: 68.2 72.6 N_3: 74.2 77.9 N_4: 64.9 70.6 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NDU →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Fri 4/7	Checked by Site / Manager		

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE. BY DESIGN



City Works 4

Weekly Environmental Report, No. 07

Civil and Remediation Ltd.

C332/WER/001/07

July 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	14/07/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 7

Report Reference: C332/WER/001/07

Revision Number: 001

Issue Date: 14th July 2025

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Contents

1.0 Week 07 Scope of Works Undertaken 1
2.0 Week 08 Forecast Works Anticipated 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 4
5.0 Remediation, Earthworks and Geotechnics 4
5.1 Site Works 4
5.2 Geotechnical Design (Instructed Late May 2025 to C&R) 4
5.3 Geotechnical Results 5
6.0 Any Other Business 6
6.1 Site Visits, Attendances & Outcomes 6
6.2 Complaints and Resolution Actions Completed 6
6.3 Health, Safety and Welfare 6
6.4 Long Lead In/ Early Warning Record 6
6.5 Other Technical Items of Note 6
6.6 Any Other Business 6
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD
APPENDIX D – DUST MONTIORING RESULTS
APPENDIX E – GEOTECHNICAL RESULTS

1.0 Week 07 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 07/06/25 to 11/07/25 (Week 07) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Dust suppression to manage dust liberation on site;
- Removal of below ground relict foundations below C&R vertical boundary as Instructed to stock in anticipation of processing to a recycled aggregate for reuse on site;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C/ 2C general fill materials for reengineering works;
- Reengineering of screened Made Ground materials in accordance with the *MCHW* Series 600 and associated testing in accordance with the agreed Inspection and Test Plan;
- Continuation of crushing U1 oversized hardstanding to a 6F2 aggregate;
- Agreed and Instructed Additional Works to reengineer the Additional Works deep 5.9m bOGL excavation in Unit 4 back up to C&Rs vertical boundary;
- Agreed and Instructed Additional works removal of deep relict foundations to circa 3m bOGL below Unit 3 & 4.5m bOGL in Unit 4; and,
- Additional Works excavation and quarantine of hydrocarbon impacted materials below C&Rs 2m vertical boundary within Unit 3.

Note that the drainage works have been stood down due to a drainage design issue. C&R currently waiting on redesign and are to advise impact of the standdown once assessed in detail.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 08 Forecast Works Anticipated

The anticipated works in Week 08 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;
- Continuation of remediation works to remove relict foundations where required, screen materials to segregate U1 oversized hardstanding and separate Class 1C general fill materials for reengineering works;
- Delineation of visually identified hotspot at TP7 from the gap site investigation;
- Continuation of agreed Instructed Additional Works reengineering of obstruction removal excavations below C&Rs 2m vertical boundary;
- Continuation of crushing works to process Class U1 oversized hardstanding to a recycled 6F2 product for reuse on site; and,
- Continuation of the reengineering works in accordance with the *MCHW* Series 600.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	71.1	74.3	N	No exceedances.
NM2	North east	70.8	75.9	N	No exceedances.
NM3	South east	72.3	78.2	N	No exceedances.
NM4	West	60.7	65.8	N	No exceedances.

No exceedances were recorded during Week 07.

3.2 Vibration Monitoring

A summary of the measured vibration levels at the relevant monitoring locations over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0					
Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB3	South	1.5	0.331	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

Results have been provided in Appendix D for the monitoring period of 17/06/25 – 01/07/25.

Directional dust monitoring was undertaken at four locations on site over a two-week period. Results show that Monitoring Points 1, 3 and 4 returned overall dust soiling rates within the 'Very Low' to 'Medium' bands, indicating low levels of dust impact with limited directional concern. Monitoring Point 2 recorded higher soiling rates, with several segments falling within the 'High' to 'Very High' bands.

While this may initially appear significant, it should be noted that dust levels are assessed on a directional basis and the elevated results at Point 2 may reflect short-term windblown dust or background sources unrelated to site activity. The construction works are being carried out in accordance with best practice measures for dust control, including hourly damping down, surface management and vehicle controls, as required by the project's Construction Environmental Management Plan. Monitoring will continue and all reasonable steps are being taken to ensure dust remains at acceptable levels throughout the works.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01 respectively).

4.1 Contaminated Soils & Materials

Two further Additional works hotspots have been excavated during Week 07 in accordance with the RSIP. Both sets of excavated materials are in quarantine, and the walls and bases of the excavations have been sampled. Results will be provided when obtained from the laboratory.

Hotspot delineation works are scheduled to commence from week 08. This includes further investigation into potential hydrocarbons encountered at TP07 in the gap SI, with follow on delineation of VOC hotspots identified and asbestos watching brief/ hand picking exercise towards the west of the site.

Chemical samples of general fill material and 6F2 aggregates have been collected during week 07 and have been sent to the laboratory for analysis.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 06, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now completely stripped of hardstanding including the former compound area.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works are continuing with the removal of below ground obstructions and screening of materials to segregate Class 1C/ 2C general fill materials from oversized hardstanding below Units 3 & 4.

Reengineering works are in progress to bring the site up to the required levels, which are being conducted in accordance with the Specification for Highway Works Series 600, with all in-*situ* performance testing in place and passing the required specification in accordance with the agreed Inspection and Test Plan.

Note the Additional Instructed Works during week 07, including the additional depth of remediation below C&Rs vertical boundary below both Units 3 & 4.

Samples of recycled aggregates and fill materials have been sent to the laboratory for geotechnical testing in accordance with the agreed Inspection and Test Plan. Testing results and assessments will be provided when available.

See C332/WRD/007 in Appendix B for a full display of works complete up to 11/07/25.

5.2 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

BWB are now establishing their works and order directly with Network Space, which may be the reason for the slight delay in their document issue.

C&R agreed to issue a Technical Note around our revised approach to capture earthworks efficiencies, for BWB to consider within their earthworks specifications. See Technical Note C332.TN.EW.001 for reference.

5.3 Geotechnical Results

In *situ* geotechnical testing has been undertaken during the earthworks from the base of excavation and across all engineered material layers. All results during Week 7 have been in excess of 150kN/m2 (for the shear vane testing at the base of excavation) and above 11.5% for the mexeprobe testing in reengineered levels.

C&R agreed with BWB to conduct additional testing over and above the mexeprobe and shear vane tests (in *situ* density) in addition to our agreed ITP and RSIP.

Nuclear density testing has been conducted Friday 11/07/25. All results are above the required 95% MDD. 6F2 has also been tested in the area of Unit 4, and while the NDG is uncalibrated for this material it has returned density values above 1.8T/m^3.

Results from the previous round of nuclear density are provided in Appendix E.

The results indicate broadly acceptable levels of compaction, with most points returning values close to the target Maximum Dry Density (MDD) of 1.60 Mg/m^3. Some locations, notably in the P4 area and at P3.3, returned relative compaction values exceeding 100%, with P3.3 recording 112%. While this may raise questions regarding material variability, these figures are not unexpected given the heterogenous nature of reengineered made ground. Such variability is typical and reflects localised differences in density and moisture conditions rather than a failure of placement, calibration or specification.

Crucially, the material remains compliant with the Specification for Highway Works (SHW) grading limits and overall placement quality is considered acceptable. For ongoing assurance, it may be beneficial to undertake additional OMC testing if the working material shows continued variability, but the current results are consistent with the expected behaviour of well-managed made ground.

One sample of general fill material is presented in Appendix E with results for the OMC, MC and grading. These results confirm the materials used on site are a Class 2C (borderline with 1C), and are within 2% of the optimum moisture content.

All testing to date either meets or exceeds the performance requirements.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Platt from Bansco has been on site overseeing the works Monday to Friday during Week 07.

Scott Spencer (Stantec Geotechnics) & Warren Bennett visited the site on Monday 07/07/25 to inspect the site.

Bansco HSE inspector visited the site on 09/07/25. No major faults were reported.

6.2 Complaints and Resolution Actions Completed

One complaint has been received during Week 07 from the GSF Car Parts Manager regarding dust.

C&R have assured him that all best practicable means are being utilised to control dust on site, including a briefing on our weekly environmental reports and CEMP document. No further comments have been raised.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 07.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 08/11/25.

6.4 Long Lead In/ Early Warning Record

No long lead in/ early warnings are noted during Week 07.

6.5 Other Technical Items of Note

No other technical items of note are recorded during Week 07.

6.6 Any Other Business

Note site cleaner employed as Instructed for and on behalf of Bansco team.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 7
07/07/25 - 11/07/25



Unit 4 remediation continues including Instructed additional works below C&Rs vertical boundary of 2m bOGL.



Unit 4 filling works now back on measured works following deep Instructed Additional Works relict structure removal to -6m bOGL.



Unit 3 remediation continues including Instructed additional works below C&Rs vertical boundary of 2m bOGL.



Unit 3 reengineering continues including Instructed additional works below C&Rs vertical boundary of 2m bOGL.



Dust suppresion ongoing hourly by C&R operatives including visual dust inspections hourly. No visual issues to date.



Nuclear density testing ongoing on fill layers. All results to date have met or exceeded the specification.



Drone progress photo as of 15:00 11/07/25. Refer to Weekly Record Drawing 007 for further information.

Note we are going to have to borrow soil materials from the car park to finish Units 4 & 3 due to the additional volume of hardsting recovered from these areas during the additional works removals.

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Drawing Number C332/WRD/007

Rev A



Note Additional welfare cabin mobilised and stacked as Instructed due to number of operatives on site (remediation, drainage, crushing teams).

Note drainage team stood down & demobilised due to Stantec design issue. Awaiting redesign and subsequent confirmation of redesign impact from drainage team.

Note crushing team mobilised early due to additional volume of hardstanding recovered from Instructed Additional Works below C&R boundary of 2m to date.

C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Oversized brickwork to be processed to a 6F2 specification, including additional crush volume from additional works relict structure removal as Instructed. See CVI003.
- Oversized hardcore stockpiled in anticipation of production of recycled MOT (asphalt and concrete only in accordance with Clause 803 of *MCHW* Series 800).
- Demolition contractor 6F2 stockpile for reuse during the works.
- Recovered quarried MOT stockpiled separately for reuse during the works.
- Additional works compound area 2 established including perimeter fencing.
- Relict slab, relict foundations and remediation to base of excavation complete, including reengineering of soil materials in accordance with the *MCHW* Series 600.
- Reengineering of Unit 4 ongoing including Additional Instructed Works relict structure removal area in accordance with CVI003, complete at 5.9m bOGL, 3.9m below C&Rs Contractual boundary of 2m bOGL.
- Reengineering of Unit 3 ongoing including Additional Instructed works relict removal complete below C&Rs boundary of 2m.

Note assessments ongoing by BWB to mitigate Landpac, cement stabilisation and ground gas CS2 requirements following bulk assessment of ground condtions.

Note Additional Works (CVI003) impact on Addtiional excavation depth, Additional hardstanding volume for crushing, void space loss of fill material, constrained working and phasing impacts.

Unit 3 and 4 footprints now over 75% complete.

Read in conjunction with Weekly Environmental Report No. 07 (C332/WER/001/07) for full breakdown of works during week 07 (Section 1.0).

Rev	Date	Description
A	11/07/25	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 07

Project Code	C332	Scale	1: 750 (approx.)
		Date Drawn	11/07/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number
C332/WRD/007

Rev
A

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bonsco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 11°C 1014mb	Dry 18°C 1015mb	Dry 17°C 1015mb
Wind • Speed? • Direction?	NW 7mph	WNW 17mph	WNW 15mph
Noise Readings	N_1: 73.0 76.0 N_2: N_3: 71.2 75.8 N_4: N_5: 77.6 81.3 N_6: 61.3 67.2 N_7:	N_1: 69.6 74.5 N_2: N_3: 76.1 79.9 N_4: N_5: 74.7 74.5 N_6: 59.9 65.7 N_7:	N_1: 73.0 78.4 N_2: N_3: 74.3 77.4 N_4: N_5: 70.0 75.5 N_6: 59.7 63.8 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP SS	DP	DP
Monitoring • Any sampling/monitoring undertaken?	NDV	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Mon 07/11	Checked by Site / Manager		

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 11°C 1018mb	Dry 18°C 1019mb	Dry 18°C 1020mb
Wind • Speed? • Direction?	WNW 9mph	WNW 12mph	WNW 7mph
Noise Readings	N_1: 71.1 74.3 N_2: N_3: 70.8 75.9 N_4: 72.3 78.2 N_5: N_6: 60.7 65.8 N_7:	N_1: 68.8 73.8 N_2: N_3: 71.3 76.6 N_4: 71.2 76.7 N_5: N_6: 63.7 67.0 N_7:	N_1: 75.2 79.2 N_2: N_3: 76.6 79.7 N_4: 76.2 82.0 N_5: N_6: 62.0 65.6 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Tues 08/07	Checked by Site / Manager		

C&R civil-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C337
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 14°C 1022mb	Dry 23°C 1022mb	Dry 22°C 1023mb
Wind • Speed? • Direction?	W 6mph	WNW 11mph	NNW 7mph
Noise Readings	N_1: 74.8 79.8 N_2: N_3: 77.7 81.1 N_4: 75.6 79.9 N_5: N_6: 60.9 64.3 N_7:	N_1: 74.5 79.5 N_2: N_3: 73.5 79.6 N_4: 70.9 74.0 N_5: N_6: 62.1 67.6 N_7:	N_1: 77.8 81.4 N_2: N_3: 70.7 74.6 N_4: 71.5 76.2 N_5: N_6: 61.7 66.0 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP + HSE	DP	DP
Monitoring • Any sampling/monitoring undertaken?	NOV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	Wed 09/07	**Checked by Site / Manager**	

C&R civil-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 14C 1024mb	Dry 26C 1023mb	Dry 26C 1022mb
Wind • Speed? • Direction?	N 3mph	WSW 6mph	WNW 6mph
Noise Readings	N_1: 70.7 76.4 N_2: N_3: 73.3 79.1 N_4: N_5: 72.6 76.6 N_6: N_7: 60.6 63.9	N_1: 72.7 77.6 N_2: N_3: 74.4 79.2 N_4: 70.2 74.2 N_5: N_6: 63.8 67.4 N_7:	N_1: 71.8 76.9 N_2: N_3: 74.6 80.3 N_4: 70.5 74.3 N_5: N_6: 62.7 68.2 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDU →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	Thurs 10/19	**Checked by Site / Manager**	

C&R owl-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bamsco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 15°C 1022 mb	Dry 24°C 1021 mb	Dry 30°C 1021 mb
Wind • Speed? • Direction?	N 2mph	N 5mph	N 5mph
Noise Readings	N_1: 79.7 81.8 N_2: N_3: 69.8 74.3 N_4: 72.0 77.1 N_5: N_6: 60.6 66.5 N_7:	N_1: 68.4 74.1 N_2: N_3: 72.0 75.9 N_4: 75.1 79.4 N_5: N_6: 59.1 64.6 N_7:	N_1: 75.7 79.2 N_2: N_3: 70.9 73.9 N_4: 72.6 77.9 N_5: N_6: 59.9 63.8 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc → Dust		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	Fri 11/07	**Checked by Site / Manager**	

APPENDIX D – DUST MONTIORING RESULTS

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Civil & Remediation Ltd	**Site:**	Former Manchester School of Building, Manchester
Point:	1 (No point description given)		
Date Out:	17-Jun-25	**Date In:**	01-Jul-25
Interval*:	14 days	**Our Ref:**	154498 / 1 / ZCRFMFBM

DIRECTIONAL DUST FLUX DATA

Effective Area Coverage (EAC%) / interval = 7.0
Absolute Area Coverage (AAC%) / interval = 80.1
Effective Area Coverage (EAC%) / day = 0.5
Absolute Area Coverage (AAC%) / day = 5.7

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	1.9	59.6	0.1	4.3	Very Low
15°-30°	1.5	49.1	0.1	3.5	Very Low
30°-45°	1.6	50.0	0.1	3.6	Very Low
45°-60°	2.7	66.0	0.2	4.7	Very Low
60°-75°	3.5	75.5	0.3	5.4	Very Low
75°-90°	4.4	82.6	0.3	5.9	Very Low
90°-105°	8.4	99.2	0.6	7.1	Medium
105°-120°	12.0	100.0	0.9	7.1	High
120°-135°	12.2	100.0	0.9	7.1	High
135°-150°	12.6	100.0	0.9	7.1	High
150°-165°	14.1	100.0	1.0	7.1	High
165°-180°	14.9	100.0	1.1	7.1	High
180°-195°	15.8	100.0	1.1	7.1	High
195°-210°	15.6	100.0	1.1	7.1	High
210°-225°	13.7	100.0	1.0	7.1	High
225°-240°	10.1	100.0	0.7	7.1	High
240°-255°	6.9	97.1	0.5	6.9	Low
255°-270°	3.4	75.5	0.2	5.4	Very Low
270°-285°	1.1	39.6	<0.1	2.8	Very Low
285°-300°	0.9	34.6	<0.1	2.5	Very Low
300°-315°	2.2	61.0	0.2	4.4	Very Low
315°-330°	3.1	80.9	0.2	5.8	Very Low
330°-345°	2.7	81.6	0.2	5.8	Very Low
345°-360°	2.3	70.3	0.2	5.0	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

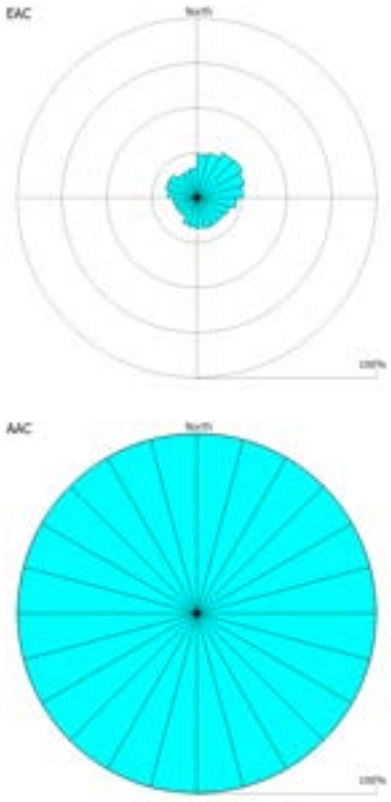
DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Civil & Remediation Ltd	**Site:**	Former Manchester School of Building, Manchester
Point:	2 (No point description given)		
Date Out:	17-Jun-25	**Date In:**	01-Jul-25
Interval*:	14 days	**Our Ref:**	154499 / 2 / ZCRFMFBM

DIRECTIONAL DUST FLUX DATA

Effective Area Coverage (EAC%) / interval = 19.1
Absolute Area Coverage (AAC%) / interval = 100.0
Effective Area Coverage (EAC%) / day = 1.4
Absolute Area Coverage (AAC%) / day = 7.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	24.0	100.0	1.7	7.1	High
15°-30°	25.9	100.0	1.8	7.1	High
30°-45°	29.1	100.0	2.1	7.1	Very High
45°-60°	29.9	100.0	2.1	7.1	Very High
60°-75°	27.7	100.0	2.0	7.1	Very High
75°-90°	25.7	100.0	1.8	7.1	High
90°-105°	22.4	100.0	1.6	7.1	High
105°-120°	19.2	100.0	1.4	7.1	High
120°-135°	17.8	100.0	1.3	7.1	High
135°-150°	17.8	100.0	1.3	7.1	High
150°-165°	17.7	100.0	1.3	7.1	High
165°-180°	16.9	100.0	1.2	7.1	High
180°-195°	16.5	100.0	1.2	7.1	High
195°-210°	16.0	100.0	1.1	7.1	High
210°-225°	12.3	100.0	0.9	7.1	High
225°-240°	12.5	100.0	0.9	7.1	High
240°-255°	12.8	100.0	0.9	7.1	High
255°-270°	13.5	100.0	1.0	7.1	High
270°-285°	16.3	100.0	1.2	7.1	High
285°-300°	18.2	100.0	1.3	7.1	High
300°-315°	18.3	100.0	1.3	7.1	High
315°-330°	15.6	100.0	1.1	7.1	High
330°-345°	15.5	100.0	1.1	7.1	High
345°-360°	16.5	100.0	1.2	7.1	High



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DustScanAQ is a registered trademark and the trading name of DustScan Ltd

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Civil & Remediation Ltd	**Site:**	Former Manchester School of Building, Manchester
Point:	3 (No point description given)		
Date Out:	17-Jun-25	**Date In:**	01-Jul-25
Interval*:	14 days	**Our Ref:**	154500 / 3 / ZCRFMFBM

DIRECTIONAL DUST FLUX DATA

Effective Area Coverage (EAC%) / interval = 4.6
Absolute Area Coverage (AAC%) / interval = 78.8
Effective Area Coverage (EAC%) / day = 0.3
Absolute Area Coverage (AAC%) / day = 5.6

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	1.4	47.4	0.1	3.4	Very Low
15°-30°	1.0	40.0	<0.1	2.9	Very Low
30°-45°	0.8	32.7	<0.1	2.3	Very Low
45°-60°	0.7	31.2	<0.1	2.2	Very Low
60°-75°	1.2	43.3	<0.1	3.1	Very Low
75°-90°	2.1	64.8	0.2	4.6	Very Low
90°-105°	3.4	81.6	0.2	5.8	Very Low
105°-120°	5.4	96.5	0.4	6.9	Very Low
120°-135°	5.9	98.5	0.4	7.0	Very Low
135°-150°	6.1	99.7	0.4	7.1	Low
150°-165°	5.7	96.8	0.4	6.9	Very Low
165°-180°	5.3	96.0	0.4	6.9	Very Low
180°-195°	6.3	98.5	0.4	7.0	Very Low
195°-210°	7.1	99.9	0.5	7.1	Medium
210°-225°	7.8	100.0	0.6	7.1	Medium
225°-240°	8.2	100.0	0.6	7.1	High
240°-255°	8.7	100.0	0.6	7.1	High
255°-270°	8.9	100.0	0.6	7.1	High
270°-285°	8.0	100.0	0.6	7.1	Medium
285°-300°	5.8	97.8	0.4	7.0	Very Low
300°-315°	3.3	81.6	0.2	5.8	Very Low
315°-330°	2.6	68.7	0.2	4.9	Very Low
330°-345°	2.3	61.7	0.2	4.4	Very Low
345°-360°	1.9	55.0	0.1	3.9	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DustScanAQ is a registered trademark and the trading name of DustScan Ltd

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Civil & Remediation Ltd	**Site:**	Former Manchester School of Building, Manchester
Point:	4 (No point description given)		
Date Out:	17-Jun-25	**Date In:**	01-Jul-25
Interval*:	14 days	**Our Ref:**	154501 / 4 / ZCRFMFBM

DIRECTIONAL DUST FLUX DATA

Effective Area Coverage (EAC%) / interval = 3.8
Absolute Area Coverage (AAC%) / interval = 79.9
Effective Area Coverage (EAC%) / day = 0.3
Absolute Area Coverage (AAC%) / day = 5.7

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	2.9	79.5	0.2	5.7	Very Low
15°-30°	3.2	87.9	0.2	6.3	Very Low
30°-45°	3.5	88.4	0.3	6.3	Very Low
45°-60°	3.5	89.2	0.3	6.4	Very Low
60°-75°	3.5	93.4	0.2	6.7	Very Low
75°-90°	3.0	87.4	0.2	6.2	Very Low
90°-105°	5.4	95.9	0.4	6.8	Very Low
105°-120°	9.3	99.9	0.7	7.1	High
120°-135°	9.6	100.0	0.7	7.1	High
135°-150°	7.9	99.5	0.6	7.1	Medium
150°-165°	4.9	97.0	0.4	6.9	Very Low
165°-180°	4.0	91.3	0.3	6.5	Very Low
180°-195°	4.3	92.2	0.3	6.6	Very Low
195°-210°	3.9	93.2	0.3	6.7	Very Low
210°-225°	4.0	89.4	0.3	6.4	Very Low
225°-240°	2.9	66.7	0.2	4.8	Very Low
240°-255°	2.4	62.6	0.2	4.5	Very Low
255°-270°	1.8	58.6	0.1	4.2	Very Low
270°-285°	2.2	62.3	0.2	4.4	Very Low
285°-300°	1.7	54.4	0.1	3.9	Very Low
300°-315°	1.1	42.3	<0.1	3.0	Very Low
315°-330°	1.7	52.3	0.1	3.7	Very Low
330°-345°	2.2	62.9	0.2	4.5	Very Low
345°-360°	2.6	71.7	0.2	5.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DustScanAQ is a registered trademark and the trading name of DustScan Ltd

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX E – GEOTECHNICAL RESULTS

TD Construction Testing Ltd
Gerard Hall
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St. Helens
Merseyside
WA10 2SD

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E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Insitu Density Testing, Nuclear Method to BS 1377-9:1990 Compliance Method

Report No.:	TD25-C-04-A-17	Date Reported:	01/07/2025
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4		
Material Description:	Brown Stony Clay		
Date of Test:	26/06/2025	Source*:	Site Won
Gauge Model:	Troxler 3430	Gauge Serial No.:	28809
General Location*:	See Below	Probe Depth:	225 mm
Particle Density:	N/A	Weather Conditions:	Overcast

Test No.	Test Position*	Bulk Density Mg/m^3	Moisture Content %	Dry Density Mg/m^3	Max Dry Density Mg/m^3	Relative Comp. %	Air Voids %
NDG1 - 26/6	P4.1	1.89	11.7	1.69	1.60	106	N/R
NDG2 - 26/6	P4.2	1.86	11.9	1.66	1.60	104	N/R
NDG3 - 26/6	P3.1	1.81	18.3	1.53	1.60	96	N/R
NDG4 - 26/6	P3.2 (1)	1.87	17.5	1.59	1.60	99	N/R
NDG5 - 26/6	P3.2 (2)	1.85	18.2	1.57	1.60	98	N/R
NDG6 - 26/6	P3.3	1.99	10.6	1.80	1.60	112	N/R

Comments / Deviations:

Relative Compaction compared to Max Dry Density
Moisture Content corrected in accordance with BS 1377-9:1990
Bulk Density corrected in accordance with BS 1377:9:1990
Air Voids Calculated in accordance with BS1377-1:2016
This report shall not be reproduced except in full without approval of the laboratory
Results relate only to the sample tested
* Information supplied by client

Signed: [redacted]

P. Gabbott (Operations Manager)

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St Helens
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8011

TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-24 Report Date: 07/07/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4

Client Ref.*: DH-26/06-01 Lab Ref: Lab 25/1408
Date Sampled: 26/06/25 Sample Type: Bulk
Sampled By: TD Mass (kg): 65
Date Received: 26/06/25

Location*: Stockpile
Supplier*: Client Source*: Site Won
Description: Brown Stony Clay (2C)

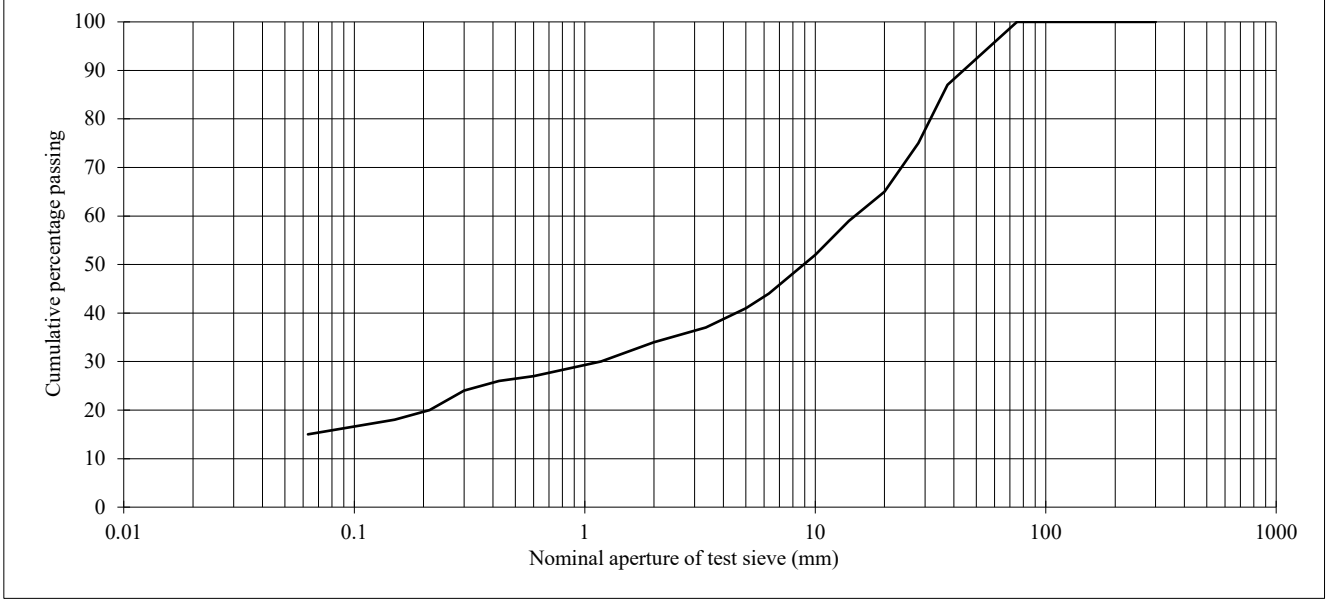
Date of Test: 07/07/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks:

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
300	100	
125	100	100
90	100	
75	100	
37.5	87	
28	75	
20	65	
14	59	
10	52	
6.3	44	
5.0	41	
3.35	37	
2.00	34	15 - 80
1.18	30	
0.600	27	
0.425	26	
0.300	24	
0.212	20	
0.150	18	
0.063	15	15 - 80

15% Silt & Clay	19% Sand	60% Gravel	6% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Sampled in accordance with IHP C146 Soil Sampling.
This report shall not be reproduced except in full without approval of the laboratory.
Decision rule - Any uncertainty is taken into consideration within the test standard and reporting method.
Results relate only to the sample tested. * Information supplied by client.

Signed [redacted]

J. Wright (Lab Section Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

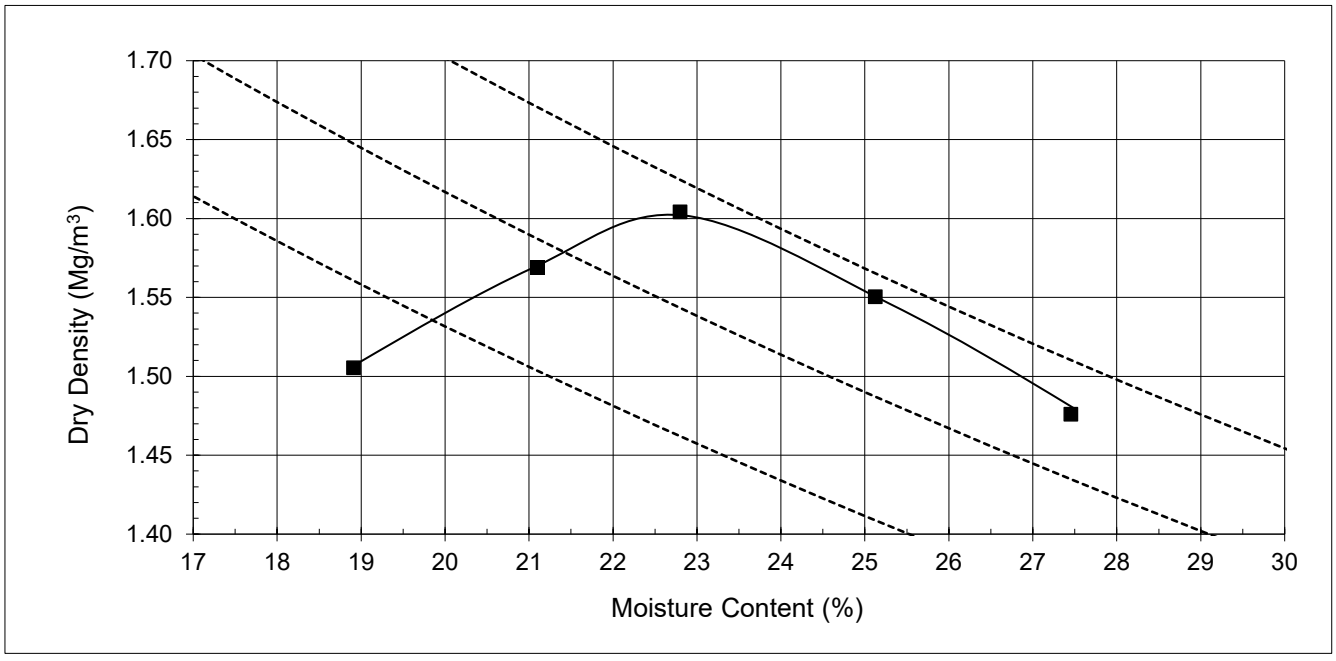
T: 01744 734769
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8011

TEST REPORT

Determination of Dry Density/Moisture Content Relationship

Report No.:	TD25-C-04-A-23	Date Reported:	03/07/25
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4	Lab Ref:	25/1408
Location*:	Stockpile	Client Sample Ref*:	DH-26/06-01
Type of Sample:	Bulk	Sampled By:	TD
Sample Description:	Brown Stony Clay	Date Sampled:	26/06/2025
Material Source*:	Client / Site Won	Date Received:	26/06/2025
Particle Density Mg/m^3:	2.58	Date Tested:	02/07/2025
Amount Retained on 20mm Sieve:	9%	Specimen Type:	Multiple
Amount Retained on 37.5mm Sieve:	4%	Rammer Type:	2.5kg
As Received Moisture Content (%):	21	Grading Zone:	4
Optimum Moisture Content (%):	**23**	Preparation Procedure:	3.2.7.2
Maximum Dry Density (Mg/m^3):	**1.60**	Sieved On:	37.5mm



Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.4

Air Void Lines plotted at 0%, 5% and 10% Values.

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Deviations/Comments:

Sign [redacted]

J. Wright (Lab Section Manager)

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8011

TEST REPORT

Determination of Particle Density to BS1377-2:1990
Gas Jar Method

Report No:	TD25-C-04-A-25	**Report Date:**	09/07/2025
Client:	Civil & Remediation		
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4	**Lab Ref:**	25/1408
Type of sample:	Bulk	**Client Ref*:**	DH-26/06-01
Sample Location*:	Not Advised		
Sample Description:	Brown Stony Clay		
Supplier/Source*:	Client / Site Won		
Orientation:	N/A		
Date Sampled:	26/06/2025		
Sampled By:	TD		
Date Received:	26/06/2025		
Date of Test:	02/07/2025		

Average Particle Density = 2.58 Mg/m³

Sample Prepared in accordance with BS1377-1:2016 Cl 8.3, 8.4.4

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signed: [redacted]

J. Wright (Lab Section Manager)

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN



City Works 4

Weekly Environmental Report, No. 08

Civil and Remediation Ltd.

C332/WER/001/08

July 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	21/07/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 8

Report Reference: C332/WER/001/08

Revision Number: 001

Issue Date: 21st July 2025

Author: Tom Magee BSc (Hons) FGS MCIWEM (Geoenvironmental Manager, C&R: Environmental Ltd.)

Checked By: Aron Rowley (Project Engineer, C&R Ltd.)

Approved By: Jack Rowley FCICES MIVM (Managing Director, C&R Ltd)

Client: Network Space,
Centrix House,
26 Crow Lane East,
Newton-le-Willows,
WA12 9UY

Principal Contractor: Bansco,
Pure House,
Bridge Street,
Horwich,
Bolton,
BL6 7BT

Remediation Contractor: Civil and Remediation Ltd.,
Grosvenor House
3 Chapel Street
Congleton
Cheshire
CW12 4AB

Contents

Contents ii
1.0 Week 08 Scope of Works Undertaken 1
2.0 Week 09 Forecast Works Anticipated 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 2
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 5
5.0 Remediation, Earthworks and Geotechnics 5
5.1 Site Works 5
5.2 Geotechnical Design (Instructed Late May 2025 to C&R) 6
5.3 Geotechnical Results 6
6.0 Any Other Business 6
6.1 Site Visits, Attendances & Outcomes 6
6.2 Complaints and Resolution Actions Completed 6
6.3 Health, Safety and Welfare 7
6.4 Long Lead In/ Early Warning Record 7
6.5 Other Technical Items of Note 7
6.6 Any Other Business 7
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD
APPENDIX D – CHEMICAL RESULTS
APPENDIX E – GEOTECHNICAL RESULTS

1.0 Week 08 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 14/07/25 to 18/07/25 (Week 08) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Dust suppression to manage dust liberation on site;
- Removal of below ground relict foundations below C&R vertical boundary as Instructed to stock in anticipation of processing to a recycled aggregate for reuse on site;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C/ 2C general fill materials for reengineering works;
- Reengineering of screened Made Ground materials in accordance with the *MCHW* Series 600 and associated testing in accordance with the agreed Inspection and Test Plan;
- Continuation of crushing U1 oversized hardstanding to a 6F2 aggregate; and,
- Placement of 6F2 aggregate as fill (due to loss of soil volume from Instructed Additional Works to date) and the capping layer.

Note that the drainage works have been stood down and are due to recommence 23/07/25.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 09 Forecast Works Anticipated

The anticipated works in Week 09 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;
- Continuation of remediation works to remove relict foundations within the car park area, screen materials to segregate U1 oversized hardstanding and separate Class 1C/2C general fill materials for reengineering works;

- Delineation of visually identified hotspot at TP7 from the gap site investigation;
- Continuation of crushing works to process Class U1 oversized hardstanding to a recycled 6F2 product for reuse on site; and,
- Continuation of the reengineering works in accordance with the *MCHW* Series 600.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0					
Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	72.9	83.6	N	No exceedances.
NM2	North east	73.6	81.3	N	No exceedances.
NM3	South east	72.8	83.8	N	No exceedances.
NM4	West	61.1	67.9	N	No exceedances.

No exceedances were recorded during Week 08.

3.2 Vibration Monitoring

A summary of the measured vibration levels at the relevant monitoring locations over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0					
Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB6	South	1.5	0.259	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

Results from the latest monitoring period will be provided when obtained from the laboratory.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01 respectively).

4.1 Contaminated Soils & Materials

Sample results from Hotspot 1 have been presented in Appendix D below. All samples pass against the screening criteria of 500mg/kg for Total TPH.

Screening results for 6F2 and fill materials have also been presented in Appendix D. These materials pass all the relevant screening criteria within the remediation strategy, with the exception of the fill materials failing against Total TPH and asbestos. Rationale is presented below.

TPH exceedances in the fill materials are recorded as follows:

- Sample CL/F/1/3 recorded a Total TPH (Ali & Aro >C5–C35) concentration of 698 mg/kg, exceeding the screening threshold of 500 mg/kg.
- Sample CL/F/1/4 recorded a Total TPH (Ali & Aro >C5–C35) concentration of 665 mg/kg, also exceeding the same threshold.

This screening limit, as defined within the Remediation Strategy, is an empirical marker applied as a conservative measure to prevent reuse of soils potentially impacted by hydrocarbons. It is not derived from a quantitative risk assessment nor based on published toxicological screening criteria such as the LQM/CIEH S4ULs or DEFRA Category 4 Screening Levels (C4SLs).

No visual or olfactory evidence of hydrocarbon contamination was noted during sampling. The soils were visually clean with no staining, hydrocarbon odour, or sheen recorded at the time of sampling or subsequent handling.

The laboratory exceedances were identified using the TPH CWG (Clean-Up) analytical method, which removes natural organic interference and focuses solely on mobile hydrocarbon fractions. The elevated TPH concentrations are predominantly associated with higher molecular weight aliphatic and aromatic hydrocarbon bands, particularly within the C21–C35 range, which are known to:

- Exhibit low volatility and low solubility;
- Have limited mobility in soils; and,
- Pose minimal risk via inhalation or leaching pathways.

Importantly, BTEX compounds (benzene, toluene, ethylbenzene, xylenes) were not detected above laboratory detection limits, indicating the absence of volatile, mobile, and more toxic hydrocarbon fractions.

The reuse scenario involves placement of the material beneath a hard dig layer of over 1000mm (i.e. it is currently at depth) permanent hardstanding or cover layers within a commercial end use, effectively mitigating any residual exposure potential to human or environmental receptors.

The Remediation Strategy explicitly permits reconsideration of the 500 mg/kg TPH criterion where supporting justification is provided. Considering:

- The absence of visual or olfactory evidence of contamination;
- The dominance of heavier, low-risk hydrocarbon fractions;
- The protective nature of the proposed site development (all hardstanding with limited, clean covered landscape areas); and,
- The absence of volatile compounds.

The reuse of this material on site is considered acceptable and does not represent a significant contaminant linkage requiring disposal or further remedial intervention.

Samples CL/F/1/3 and CL/F/1/4 also recorded detections of asbestos fibres at concentrations of 0.003% w/w and 0.001% w/w respectively. These marginally exceed the threshold of <0.001% w/w stipulated within the Remediation Strategy.

It is noted that this threshold represents a precautionary trigger value, rather than a definitive risk-based limit. The recorded fibre concentrations are extremely low, approaching the analytical limit of detection, and are indicative of trace asbestos contamination rather than significant asbestos-containing material (ACM) presence.

No visual evidence of ACMs (e.g. bonded fragments, debris) was observed during excavation, sampling, or material handling. The fibres are presumed to originate from historical dust or incidental contamination rather than identifiable ACM sources.

This material has been reused:

- At depth, >1000mm below FFL, underneath of hard dig material and permanent hardstanding; and,
- Within a commercial development, where end users will have no exposure linkage to underlying soils.

Any future maintenance or ground-intrusive works will be undertaken under appropriate RAMS (Risk Assessment and Method Statement) procedures, documented within the handover health and safety file, ensuring that suitable controls are in place should the material be encountered in the future. In

accordance with CAR 2012, such works will proceed with precautionary measures as standard industry practice.

Considering:

- The trace nature of the asbestos fibre detections;
- The absence of visible ACMs;
- The permanent encapsulation of material at depth, beneath hardstanding;
- The absence of exposure pathways to end users; and,
- The controlled working conditions for future maintenance activities;

The minor exceedances do not represent a significant contaminant linkage or unacceptable risk. Reuse of the material on site is therefore considered acceptable without further remediation.

Hotspot delineation works are scheduled to commence from week 09. This includes further investigation into potential hydrocarbons encountered at TP07 in the gap SI, with follow on delineation of VOC hotspots identified and asbestos watching brief/ hand picking exercise towards the west of the site.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 06, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now completely stripped of hardstanding including the former compound area.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works are continuing with the removal of below ground obstructions and screening of materials to segregate Class 1C/ 2C general fill materials from oversized hardstanding below the car park area.

Units 3 & 4 remediation and reengineering of general fill materials is now complete, with capping materials being placed consisting of 6F2 material. This is to be finished with 150mm of MOT.

Samples of recycled aggregates and fill materials have been sent to the laboratory for geotechnical testing in accordance with the agreed Inspection and Test Plan. Testing results and assessments will be provided when available.

See C332/WRD/008 in Appendix B for a full display of works complete up to 18/07/25.

5.2 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

BWB are now establishing their works and order directly with Network Space, which may be the reason for the slight delay in their document issue.

C&R agreed to issue a Technical Note around our revised approach to capture earthworks efficiencies, for BWB to consider within their earthworks specifications. See Technical Note C332.TN.EW.001 for reference.

5.3 Geotechnical Results

In *situ* geotechnical testing has been undertaken during the earthworks from the base of excavation and across all engineered material layers. All results during Week 8 have been in excess of 150kN/m2 (for the shear vane testing at the base of excavation) and above 10% for the mexeprobe testing in reengineered levels.

C&R agreed with BWB to conduct additional testing over and above the mexeprobe and shear vane tests (in *situ* density) in addition to our agreed ITP and RSIP.

Nuclear density testing has been conducted Friday 18/07/25. All results are above the required 95% MDD. 6F2 has also been tested in the area of Units 3 & 4, and while the NDG is uncalibrated for this material it has returned density values above 1.8T/m^3.

Plate testing results are presented in Appendix E for plate tests at the foundation level below Units 3 & 4. Settlement at 150kN/m^2 ranges between 0.65mm (below the additional works -6m bOGL excavation) and 3.24mm, far exceeding the 25mm performance requirement. All testing was undertaken using a 600mm dia. Plate.

All testing to date either meets or exceeds the performance requirements.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Platt from Bansco has been on site overseeing the works Monday to Friday during Week 08.

6.2 Complaints and Resolution Actions Completed

No complaints were received during week 08.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 08.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 08/11/25.

6.4 Long Lead In/ Early Warning Record

No long lead in/ early warnings are noted during Week 08.

6.5 Other Technical Items of Note

No other technical items of note are recorded during Week 08.

6.6 Any Other Business

Note site cleaner employed as Instructed for and on behalf of Bansco team.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 8
14/07/25 - 18/07/25





Unit 3 reengineering of general fill materials complete and 6F2 capping complete.





Unit 4 remediation complete, reengineering ongoing to bring are in the south and centre up to level following Instructed Additional Works to -6m bOGL. Capping installation complete in available areas.





Plate testing and Nuclear Density Testing during Week 08. Plate testing returned settlement results between 0.65mm to 3.24mm, passed against 25mm settlement limit at foundation level. Nukes returned density in excess of 95%, with uncalibrated nukes returning above 1.9T/m3, all above performance requirements.



Dust suppresion ongoing during Week 08.



Crushing works progressed to concrete and asphalt stockpile but note 6F2 being produced due to volume loss from Additional Works deep relict foundation removal and subsequent soil materials shortfall increase.



Drone progress photograph for Week 08. Refer to C332/WRD/008 for further information.

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Drawing Number C332/WRD/008

Rev A



Note Additional welfare cabin mobilised and stacked as Instructed due to number of operatives on site (remediation, drainage, crushing teams).

Note long chain hydrocarbon impacted materials captured from below C&Rs vertical boundary of 2m as Additional Works for disposal off site.

Note drainage team stood down & demobilised due to tie in level difference. Remobilising Week 9.

Note crushing team now progressed to concrete and asphalt stock, but still producing MOT to due soil materials volume loss from Additional Works excavations from below C&Rs vertical boundary of 2m bOGL.

C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Oversized hardcore stockpiled & being processed to a recycled 6F2 & MOT (asphalt and concrete only in accordance with Clause 803 of *MCHW* Series 800 for MOT).
- Site produced 6F2 stockpile for reuse on site.
- Recovered quarried MOT stockpiled separately for reuse during the works.
- Additional works compound area 2 established including perimeter fencing.
- Unit area completed in accordance with the *MCHW* Series 600 up to top of 6F2 layer, to be finished with one MOT layer.
- Car park area remediation commenced.
- Reengineering of Unit 4 ongoing following Additional works to -6m bOGL.

Note assessments ongoing by BWB to mitigate Landpac, cement stabilisation and ground gas CS2 requirements following bulk assessment of ground condtions.

Note Additional Works (CVI003) impact on Addtiional excavation depth, Additional hardstanding volume for crushing, void space loss of fill material, constrained working and phasing impacts.

Unit 3 is now 98% complete. Unit 4 is now 70% complete.

Read in conjunction with Weekly Environmental Report No. 08 (C332/WER/001/08) for full breakdown of works during week 08 (Section 1.0).

Rev	Date	Description
A	18/07/25	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 08

Project Code	C332	Scale	1: 750 (approx.)
		Date Drawn	18/07/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/WRD/008 Rev A

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R civil-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 18°C 1010mb	Dry 24°C 1011mb	Dry 20°C 1013mb
Wind • Speed? • Direction?	SSW 7mph	SW 14mph	WSW 9mph
Noise Readings	N_1: 75.2 80.9 N_2: N_3: 70.1 73.3 N_4: 72.1 77.4 N_5: 62.0 67.4 N_6: N_7:	N_1: 72.6 77.0 N_2: 76.8 81.3 N_3: 75.9 81.2 N_4: 62.6 67.9 N_5: N_6: N_7:	N_1: 68.3 74.0 N_2: 74.9 78.6 N_3: 78.8 83.8 N_4: 59.7 62.8 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	Mon 14/07	**Checked by Site / Manager**	

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Wet 14°C 1011mb	Wet 17°C 1009mb	Dry 16°C 1009mb
Wind • Speed? • Direction?	S 8mph	SSW 11mph	SSW 9mph
Noise Readings	N_1: 70.1 75.2 N_2: 75.7 80.5 N_3: 70.6 74.4 N_4: 62.3 66.2 N_5: N_6: N_7:	N_1: 72.9 76.0 N_2: 76.0 79.5 N_3: 73.3 78.2 N_4: 58.6 63.0 N_5: N_6: N_7:	N_1: 78.6 82.2 N_2: 69.7 72.9 N_3: 74.6 78.4 N_4: 62.1 67.4 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDU →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Tues 15/07	Checked by Site / Manager		

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 15°C 1015mb	Dry 21°C 1017mb	Dry 21°C 1018MB
Wind • Speed? • Direction?	WNW 10mph	WNW 7mph	N 2mph
Noise Readings	N_1: 70.5 73.9 N_2: N_3: 75.4 78.6 N_4: 69.9 75.8 N_5: N_6: 62.0 65.7 N_7:	N_1: 71.0 75.2 N_2: N_3: 75.1 81.1 N_4: 69.5 73.6 N_5: N_6: 61.3 65.5 N_7:	N_1: 78.8 83.6 N_2: N_3: 72.7 77.0 N_4: 72.6 76.8 N_5: N_6: 62.8 66.1 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		
Monitoring • Any sampling/monitoring undertaken?	NDV →		
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →		
PID Readings • Working Areas • Site Boundary • Receptors	NA →		

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	~~Fri~~ Wed 16/07	Checked by Site / Manager		

C&R enviremediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Wet 16°C 1016mb	Dry 21°C 1015mb	Dry 22°C 1014mb
Wind • Speed? • Direction?	N 4mph	N 3mph	N 3mph
Noise Readings	N_1: 78.1 82.1 N_2: 69.1 75.0 N_3: 71.3 74.9 N_4: 60.7 65.7 N_5: N_6: N_7:	N_1: 70.9 76.5 N_2: 73.1 78.5 N_3: 68.5 74.5 N_4: 61.2 65.2 N_5: N_6: N_7:	N_1: 68.2 73.5 N_2: 72.0 76.5 N_3: 72.8 78.2 N_4: 58.4 61.6 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	Thurs 17/07	**Checked by Site / Manager**	

C&R cwj-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 18°C 1013mb	Dry 24°C 1012mb	Dry 24°C 1010mb
Wind • Speed? • Direction?	SW 6mph	WSW 8mph	WNW 6mph
Noise Readings	N_1: 69.2 73.4 N_2: 72.4 77.2 N_3: 69.9 73.9 N_4: N_5: N_6: 60.6 64.6 N_7:	N_1: 76.6 80.3 N_2: 77.0 80.1 N_3: 78.1 82.7 N_4: N_5: N_6: 63.8 67.9 N_7:	N_1: 72.1 75.3 N_2: 73.6 74.0 N_3: 74.4 78.0 N_4: N_5: N_6: 59.5 62.6 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]	
Day & Date	Fri 16/07	**Checked by Site / Manager**		

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE. BY DESIGN

APPENDIX D – CHEMICAL RESULTS

envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/07528
Issue Number: 1 **Date:** 18 July, 2025

Client:
Civils and Remediation Ltd
Grosvenor House
3 Chapel Street
Congleton
Cheshire
UK
CW12 4AB

Project Manager: Tom Magee
Project Name: City Works 4
Project Ref: C332
Order No: C332-SCO-006
Date Samples Received: 10/07/25
Date Instructions Received: 11/07/25
Date Analysis Completed: 18/07/25

Approved by:

[redacted]

Gemma Berrisford
Deputy Client Services Supervisor

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/1	25/07528/2	25/07528/3	25/07528/4	25/07528/5	25/07528/6	25/07528/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/6F2/1/1	CL/6F2/1/2	CL/F/1/3	CL/F/1/4	CL/HS1/N/1/1	CL/HS1/S/1/1	CL/HS1/E/1/1			
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	08-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4ABE	4ABE	6AB	6AB	4AB	4AB	4AB			
% Stones >10mm$_A$	10.8	23.5	<0.1	<0.1	18.5	36.3	21.8	% w/w	0.1	A-T-044
Cyanide (free)$_A^{M\#}$	<1	<1	<1	<1	-	-	-	mg/kg	1	A-T-042sFCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	-	-	-	mg/kg	0.2	A-T-050s
Arsenic$_D^{M\#}$	4	2	12	17	-	-	-	mg/kg	1	A-T-024s
Barium$_D^{\#}$	136	95	185	190	-	-	-	mg/kg	3	A-T-024s
Beryllium$_D$	<0.5	<0.5	0.9	1.0	-	-	-	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D^{M\#}$	1.9	1.2	1.2	1.1	-	-	-	mg/kg	1	A-T-027s
Cadmium$_D$	<1.0	<1.0	<1.0	<1.0	-	-	-	mg/kg	1	A-T-024s
Copper$_D^{M\#}$	12	6	133	97	-	-	-	mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	11	8	20	22	-	-	-	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	-	-	-	mg/kg	1	A-T-040s
Chromium (trivalent)	11	8	20	22	-	-	-	mg/kg	1	Calc
Lead$_D^{M\#}$	1850	37	286	386	-	-	-	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	<0.17	-	-	-	mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	9	5	28	39	-	-	-	mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	<1	<1	<1	<1	-	-	-	mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	14	10	26	22	-	-	-	mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	237	55	189	197	-	-	-	mg/kg	1	A-T-024s

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/1	25/07528/2	25/07528/3	25/07528/4	25/07528/5	25/07528/6	25/07528/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/6F2/1/1	CL/6F2/1/2	CL/F/1/3	CL/F/1/4	CL/HS1/N/1/1	CL/HS1/S/1/1	CL/HS1/E/1/1			
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	08-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4ABE	4ABE	6AB	6AB	4AB	4AB	4AB			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	NAD	Chrysotile	Chrysotile	-	-	-			A-T-045
Asbestos Matrix (visual)$_D$	-	-	-	-	-	-	-			A-T-045
Asbestos Matrix (microscope)$_D$	-	-	Loose Fibres	Loose Fibres	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	N/A	-	-	-			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_D$	-	-	0.003	0.001	-	-	-	% w/w	0.001	A-T-054

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/1	25/07528/2	25/07528/3	25/07528/4	25/07528/5	25/07528/6	25/07528/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/6F2/1/1	CL/6F2/1/2	CL/F/1/3	CL/F/1/4	CL/HS1/N/1/1	CL/HS1/S/1/1	CL/HS1/E/1/1			
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	08-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4ABE	4ABE	6AB	6AB	4AB	4AB	4AB			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	0.28	0.11	-	-	-	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	0.43	0.22	-	-	-	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	0.02	2.08	0.97	-	-	-	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	0.05	4.34	1.96	-	-	-	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04	2.06	0.87	-	-	-	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05	2.16	1.05	-	-	-	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	0.92	0.47	-	-	-	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	0.72	0.35	-	-	-	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	0.06	3.02	1.39	-	-	-	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	0.27	0.11	-	-	-	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	0.11	7.47	3.43	-	-	-	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	0.02	0.70	0.32	-	-	-	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03	0.90	0.43	-	-	-	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	0.16	0.09	-	-	-	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	0.06	4.15	1.96	-	-	-	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	0.12	6.71	3.09	-	-	-	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	0.44	36.4	16.8	-	-	-	mg/kg	0.01	A-T-019s

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/1	25/07528/2	25/07528/3	25/07528/4	25/07528/5	25/07528/6	25/07528/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/6F2/1/1	CL/6F2/1/2	CL/F/1/3	CL/F/1/4	CL/HS1/N/1/1	CL/HS1/S/1/1	CL/HS1/E/1/1			
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	08-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4ABE	4ABE	6AB	6AB	4AB	4AB	4AB			
VOC										
Dichlorodifluoromethane$_A$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Chloromethane$_A$	<10	<10	<10	<10	-	-	-	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Bromomethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Chloroethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Trichlorofluoromethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Carbon Disulphide$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Dichloromethane$_A$	<5	<5	<5	<5	-	-	-	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
2,2-Dichloropropane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Bromochloromethane$_A^\#$	<5	<5	<5	<5	-	-	-	µg/kg	5	A-T-006s
Chloroform$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloropropene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Carbon Tetrachloride$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,2-Dichloroethane$_A^\#$	<2	<2	<2	<2	-	-	-	µg/kg	2	A-T-006s
Benzene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Trichloroethene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,2-Dichloropropane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Dibromomethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Bromodichloromethane$_A^\#$	<10	<10	<10	<10	-	-	-	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Toluene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,3-Dichloropropane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Tetrachloroethene$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	<3	<3	<3	<3	-	-	-	µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/1	25/07528/2	25/07528/3	25/07528/4	25/07528/5	25/07528/6	25/07528/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/6F2/1/1	CL/6F2/1/2	CL/F/1/3	CL/F/1/4	CL/HS1/N/1/1	CL/HS1/S/1/1	CL/HS1/E/1/1			
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	08-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4ABE	4ABE	6AB	6AB	4AB	4AB	4AB			
Chlorobenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<3	<3	<3	<3	-	-	-	µg/kg	3	A-T-006s
Isopropylbenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	<2	<2	<2	<2	-	-	-	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2	<2	<2	<2	-	-	-	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3	<3	<3	<3	-	-	-	µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1	<1	<1	<1	-	-	-	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3	<3	<3	<3	-	-	-	µg/kg	3	A-T-006s

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/1	25/07528/2	25/07528/3	25/07528/4	25/07528/5	25/07528/6	25/07528/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/6F2/1/1	CL/6F2/1/2	CL/F/1/3	CL/F/1/4	CL/HS1/N/1/1	CL/HS1/S/1/1	CL/HS1/E/1/1			
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	08-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4ABE	4ABE	6AB	6AB	4AB	4AB	4AB			
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	2	<10	<10	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	5	10	<10	<10	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	17	20	12	14	3	1	2	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	29	34	20	29	7	4	5	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	65	61	120	84	42	39	65	mg/kg	1	A-T-055s
Total Aliphatics$_A$	116	128	151	127	52	45	72	mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	2	2	<10	<10	2	1	2	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	2	3	12	<10	2	<1	2	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	10	12	79	44	11	4	8	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	17	25	157	116	35	13	23	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	12	14	299	377	99	45	75	mg/kg	1	A-T-055s
Total Aromatics$_A$	42	56	547	538	150	64	110	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	159	184	698	665	202	108	182	mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/8	25/07528/9						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS1/W/1/1	CL/HS1/B/1/1								
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	03-Jul-25								
Sample Type	SOIL - ES	SOIL - ES								
Sample Matrix Code	4AB	4AB								
% Stones >10mm$_A$	41.2	32.9						% w/w	0.1	A-T-044

Envirolab Job Number: 25/07528

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07528/8	25/07528/9						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS1/W/1/1	CL/HS1/B/1/1								
Depth to Top										
Depth To Bottom										
Date Sampled	03-Jul-25	03-Jul-25								
Sample Type	SOIL - ES	SOIL - ES								
Sample Matrix Code	4AB	4AB								
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1						mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1						mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	3	2						mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	8	5						mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	45	44						mg/kg	1	A-T-055s
Total Aliphatics$_A$	56	51						mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	1	2						mg/kg	1	A-T-055s
Aro >C10-C12$_A$	1	2						mg/kg	1	A-T-055s
Aro >C12-C16$_A$	16	8						mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	50	24						mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	110	85						mg/kg	1	A-T-055s
Total Aromatics$_A$	178	120						mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	235	171						mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01						mg/kg	0.01	A-T-022s

Report Notes

General

•This report shall not be reproduced, except in full, without written approval from Envirolab.
•The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
•The results reported herein relate only to the material supplied to the laboratory.
•The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
•Analytical results reflect the quality of the sample at the time of analysis only.
•Opinions and Interpretations expressed are outside our scope of accreditation.
•A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
•If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
•Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "D" on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript "^"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
"Trace Asbestos Identified" will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:
For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:
EPH CWG results have humics mathematically subtracted through instrument calculation.
Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:
Results greater than 12900µS/cm @ 25^0C / 11550µS/cm @ 20^0C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Civils and Remediation Ltd, Grosvenor House, 3 Chapel Street, Congleton, Cheshire, UK, CW12 4AB

Project: City Works 4

Clients Project No: C332

Project No: 25/07528

Date Received: 11/07/2025 (am)

Cool Box Temperatures (°C): 22.2

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/07528/1	25/07528/2	25/07528/3	25/07528/4	25/07528/5	25/07528/6	25/07528/7	25/07528/8	25/07528/9
Client Sample No									
Client Sample ID/Depth	CL/6F2/1/1	CL/6F2/1/2	CL/F/1/3	CL/F/1/4	CL/HS1/N/1/1	CL/HS1/S/1/1	CL/HS1/E/1/1	CL/HS1/W/1/1	CL/HS1/B/1/1
Date Sampled	03/07/25	08/07/25	03/07/25	03/07/25	03/07/25	03/07/25	03/07/25	03/07/25	03/07/25
A-T-006s	18/07/2025	18/07/2025	18/07/2025	18/07/2025					
A-T-019s	17/07/2025	17/07/2025	17/07/2025	17/07/2025					
A-T-022s	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025
A-T-024s	18/07/2025	18/07/2025	18/07/2025	18/07/2025					
A-T-027s	18/07/2025	18/07/2025	18/07/2025	18/07/2025					
A-T-040s	17/07/2025	17/07/2025	17/07/2025	17/07/2025					
A-T-042sFCN	17/07/2025	17/07/2025	17/07/2025	17/07/2025					
A-T-044	16/07/2025	16/07/2025	16/07/2025	16/07/2025	16/07/2025	16/07/2025	16/07/2025	16/07/2025	16/07/2025
A-T-045	15/07/2025	15/07/2025	15/07/2025	15/07/2025					
A-T-050s	17/07/2025	17/07/2025	17/07/2025	17/07/2025					
A-T-054			16/07/2025	16/07/2025					
A-T-055s	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025
Calc	18/07/2025	18/07/2025	18/07/2025	18/07/2025					
Calc-As Recd	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX E – GEOTECHNICAL RESULTS

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-31 Report Date: 17/07/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: 6F2
Supplier/Source*: Client / Site Won

Test Number: 1

Location*: U4.1
Test Level: US Found
Plate Size mm: 600

Date Tested: 16/07/2025

Weather Conditions: Overcast

Tested By: Josh Mousdell

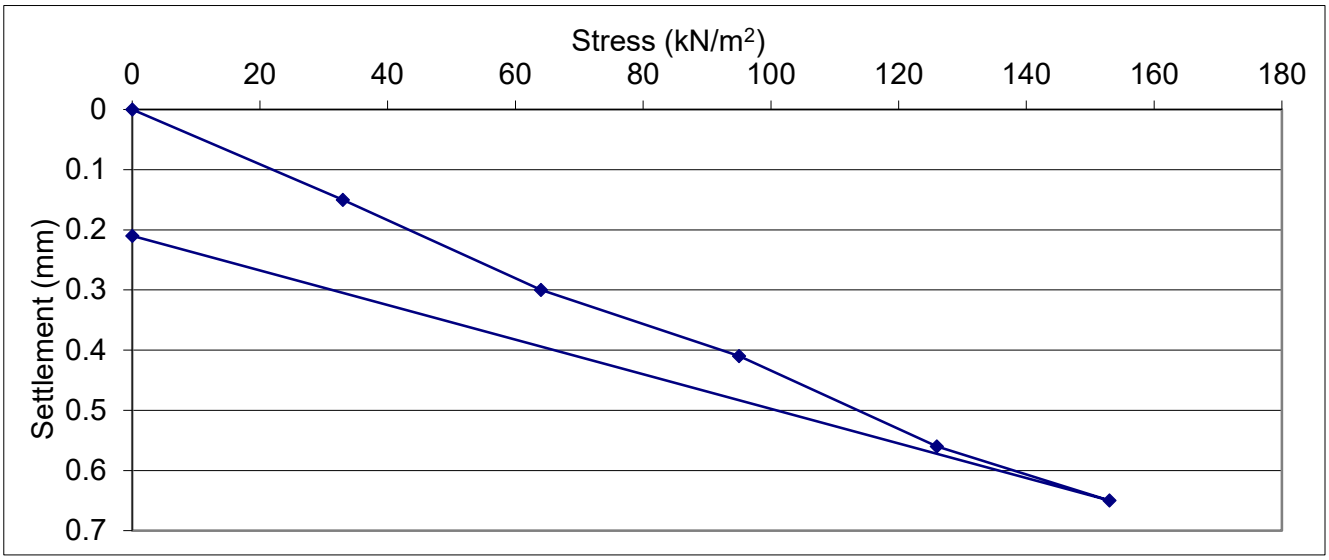
Kentledge Type: Excavator

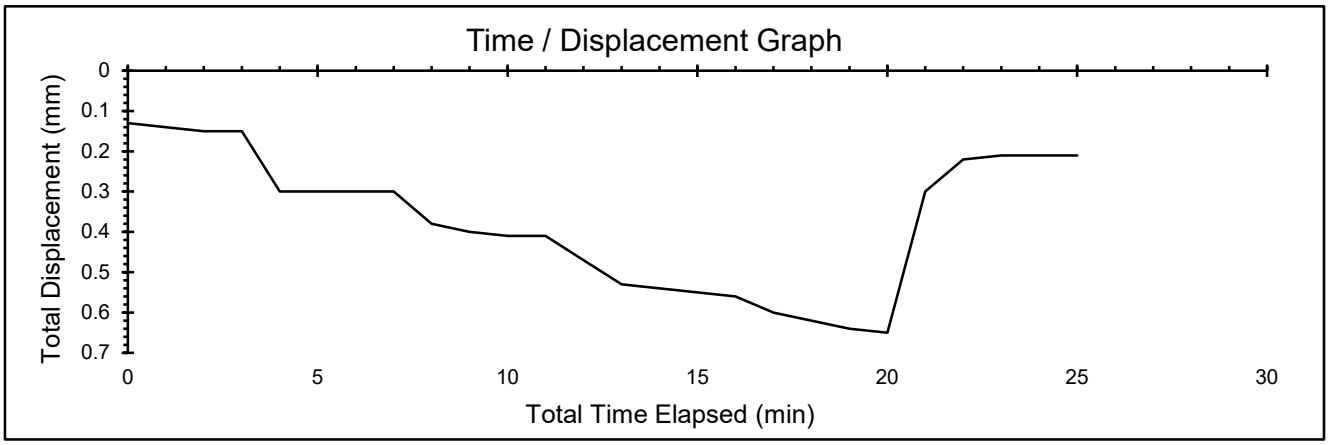
Comments:

Test Report No.: TD25-C-04-A-31

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.15
64	0.30
95	0.41
126	0.56
153	0.65
0	0.21

Working Stress kN/m²	153	**Settlement mm**	0.65





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Results relate only to the location tested.

* Information supplied by client.

Signed [redacted]	A. Hayes (Site Section Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-32 Report Date: 17/07/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: 6F2
Supplier/Source*: Client / Site Won

Test Number: 2

Location*: U4.2
Test Level: US Found
Plate Size mm: 600

Date Tested: 16/07/2025

Weather Conditions: Sunny

Tested By: Josh Mousdell

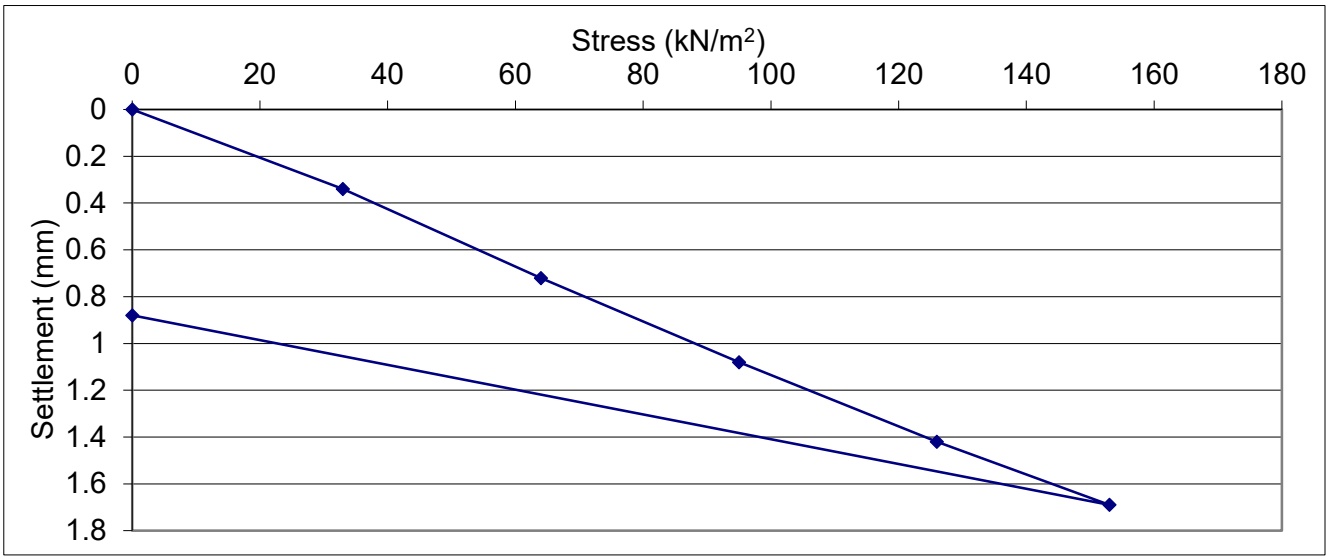
Kentledge Type: Excavator

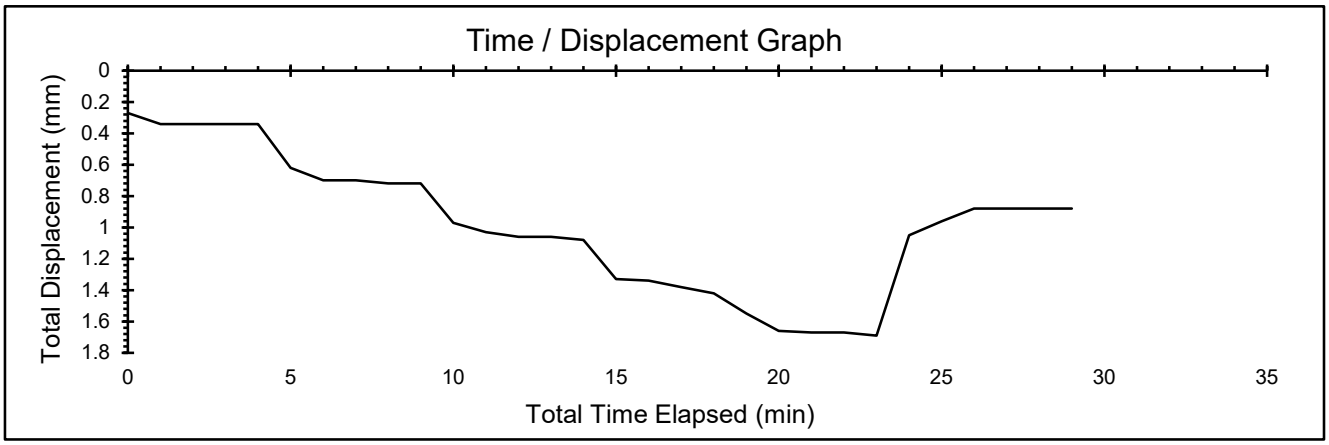
Comments:

Test Report No.: TD25-C-04-A-32

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.34
64	0.72
95	1.08
126	1.42
153	1.69
0	0.88

Working Stress kN/m²	153	**Settlement mm**	1.69





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Results relate only to the location tested.

* Information supplied by client.

Signed [redacted]	A. Hayes (Site Section Manager)

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WA10 2SD

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8011

TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-33 Report Date: 17/07/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: 6F2
Supplier/Source*: Client / Site Won

Test Number: 3

Location*: U3.1
Test Level: US Found
Plate Size mm: 600

Date Tested: 16/07/2025

Weather Conditions: Overcast

Tested By: Josh Mousdell

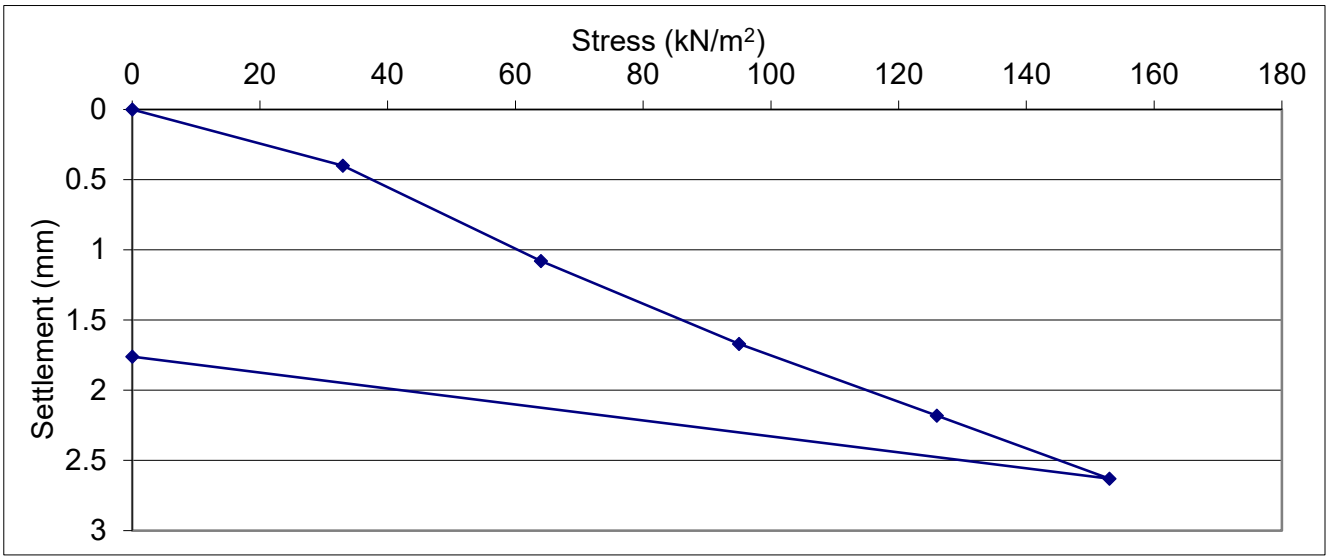
Kentledge Type: Excavator

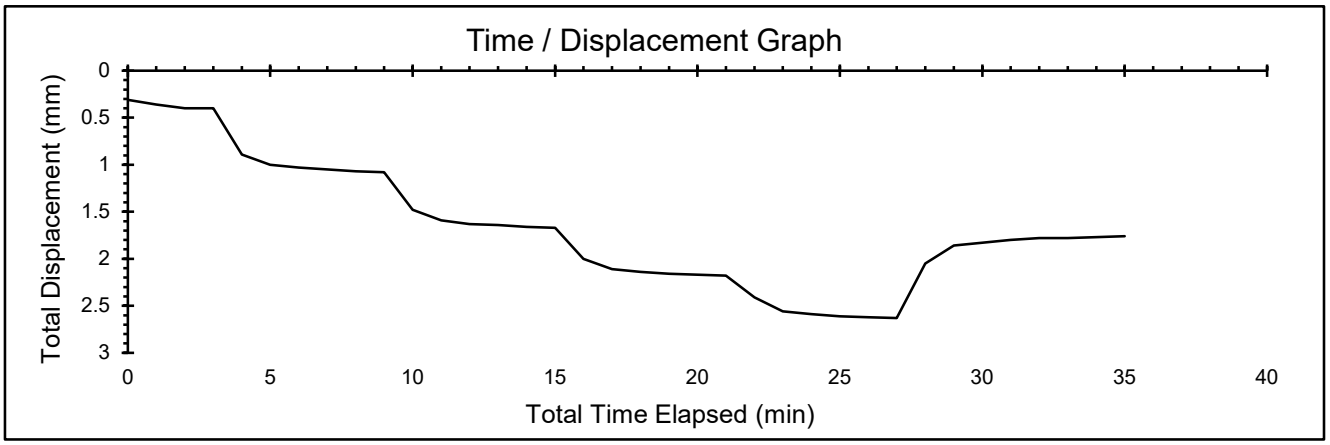
Comments:

Test Report No.: TD25-C-04-A-33

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.40
64	1.08
95	1.67
126	2.18
153	2.63
0	1.76

Working Stress kN/m²	153	**Settlement mm**	2.63





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Results relate only to the location tested.

* Information supplied by client.

Sign [redacted]	A. Hayes (Site Section Manager)

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8011

TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-34 Report Date: 17/07/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: 6F2
Supplier/Source*: Client / Site Won

Test Number: 4

Location*: U3.2
Test Level: US Found
Plate Size mm: 600

Date Tested: 16/07/2025

Weather Conditions: Sunny

Tested By: Josh Mousdell

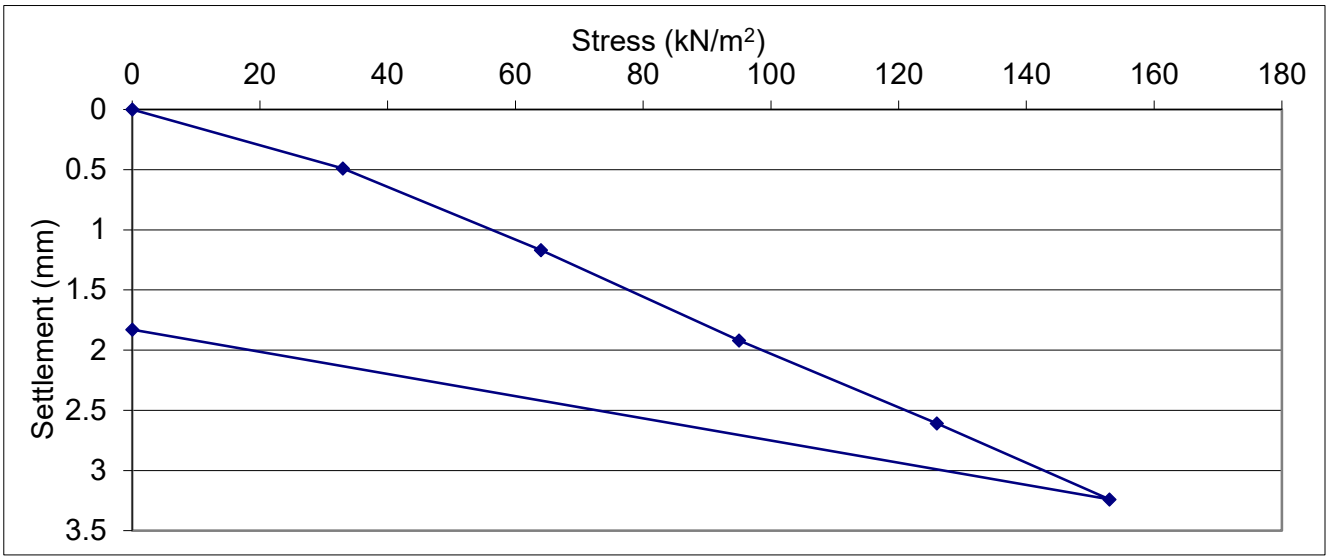
Kentledge Type: Excavator

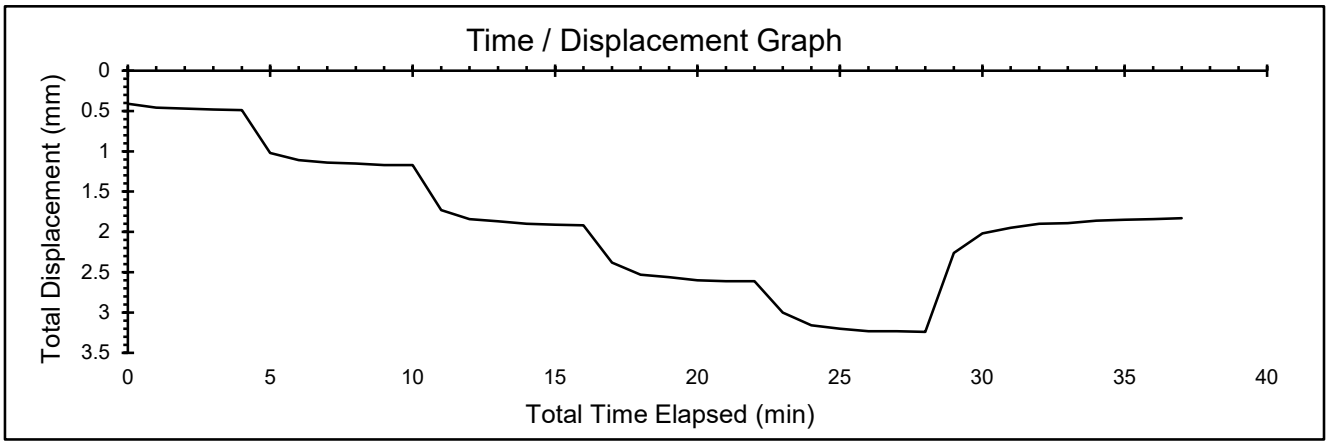
Comments:

Test Report No.: TD25-C-04-A-34

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.49
64	1.17
95	1.92
126	2.61
153	3.24
0	1.83

Working Stress kN/m²	153	**Settlement mm**	3.24





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Results relate only to the location tested.

* Information supplied by client.

Signed [redacted]	A. Hayes (Site Section Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-35 Report Date: 17/07/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: 6F2
Supplier/Source*: Client / Site Won

Test Number: 5

Location*: U3.3
Test Level: US Found
Plate Size mm: 600

Date Tested: 16/07/2025

Weather Conditions: Sunny

Tested By: Josh Mousdell

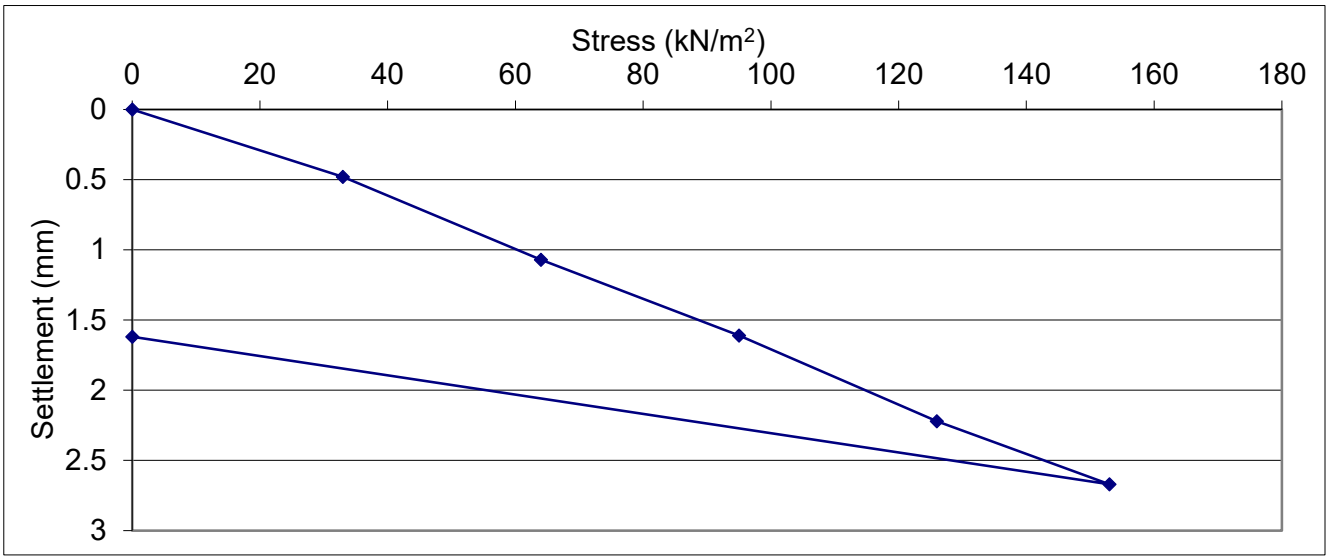
Kentledge Type: Excavator

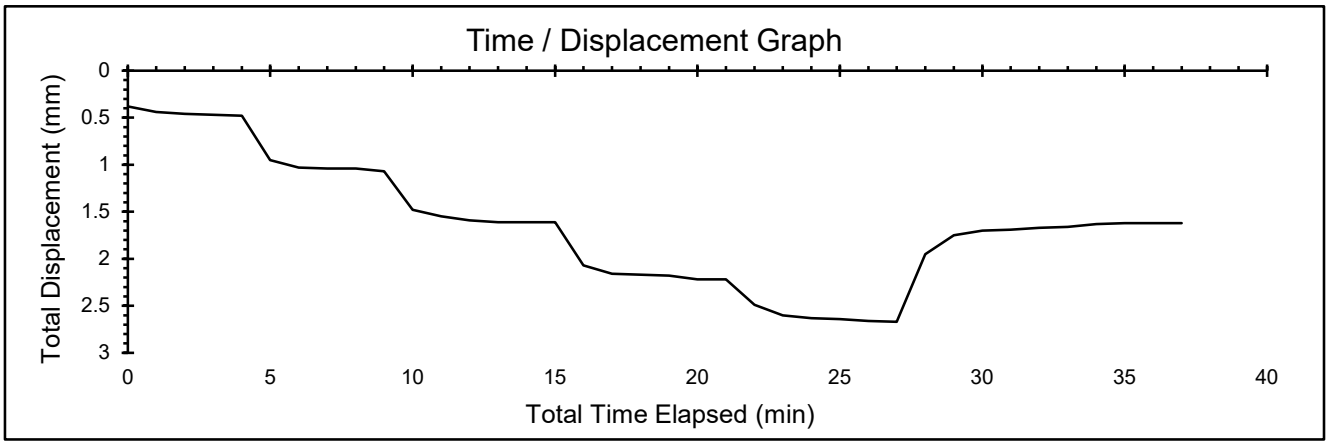
Comments:

Test Report No.: TD25-C-04-A-35

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.48
64	1.07
95	1.61
126	2.22
153	2.67
0	1.62

Working Stress kN/m²	153	**Settlement mm**	2.67





This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the location tested.

* Information supplied by client.

Signed	[redacted]	A. Hayes (Site Section Manager)

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE. BY DESIGN



City Works 4

Weekly Environmental Report, No. 09

Civil and Remediation Ltd.

C332/WER/001/09

July 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	28/07/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 9

Report Reference: C332/WER/001/09

Revision Number: 001

Issue Date: 29th July 2025

Author: Tom Magee BSc (Hons) FGS MCIWEM (Geoenvironmental Manager, C&R: Environmental Ltd.)

Checked By: Aron Rowley (Project Engineer, C&R Ltd.)

Approved By: Jack Rowley FCICES MIVM (Managing Director, C&R Ltd)

Client: Network Space,
Centrix House,
26 Crow Lane East,
Newton-le-Willows,
WA12 9UY

Principal Contractor: Bansco,
Pure House,
Bridge Street,
Horwich,
Bolton,
BL6 7BT

Remediation Contractor: Civil and Remediation Ltd.,
Grosvenor House
3 Chapel Street
Congleton
Cheshire
CW12 4AB

Contents

Contents ii
1.0 Week 08 Scope of Works Undertaken 1
2.0 Week 09 Forecast Works Anticipated 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 3
5.0 Remediation, Earthworks and Geotechnics 3
5.1 Site Works 3
5.2 Geotechnical Design (Instructed Late May 2025 to C&R) 4
5.3 Geotechnical Results 4
6.0 Any Other Business 4
6.1 Site Visits, Attendances & Outcomes 4
6.2 Complaints and Resolution Actions Completed 4
6.3 Health, Safety and Welfare 4
6.4 Long Lead In/ Early Warning Record 5
6.5 Other Technical Items of Note 5
6.6 Any Other Business 5
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD
APPENDIX D – CHEMICAL RESULTS
APPENDIX E – GEOTECHNICAL RESULTS

1.0 Week 09 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 21/07/25 to 25/07/25 (Week 09) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Dust suppression to manage dust liberation on site;
- Removal of below ground relict foundations below C&R vertical boundary within the car park area, as Instructed, to stockpiles in anticipation of processing to a recycled aggregate for reuse on site in the area of the new foul drain run;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C/ 2C general fill materials for reengineering works;
- Reengineering of screened Made Ground materials in accordance with the *MCHW* Series 600 and associated testing in accordance with the agreed Inspection and Test Plan;
- Recommencement of the drainage works following Stantec design check against the connection level, now the third mobilisation of the drainage team to site;
- Excavation of the hotspot identified at TP07 within the gap site investigation;
- Continuation of crushing U1 oversized hardstanding to a 6F2 aggregate; and,
- Placement of 6F2 aggregate as fill (due to loss of soil volume from Instructed Additional Works to date) and the capping layer.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 10 Forecast Works Anticipated

The anticipated works in Week 10 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;

- Continuation of remediation works to remove relict foundations within the car park area, screen materials to segregate U1 oversized hardstanding and separate Class 1C/2C general fill materials for reengineering works;
- Continuation of the drainage works in the eastern area of the site;
- Continuation of crushing works to process Class U1 oversized hardstanding to a recycled 6F2 product for reuse on site; and,
- Continuation of the reengineering works in accordance with the *MCHW* Series 600.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	74.2	83.2	N	No exceedances.
NM2	North east	72.3	83.3	N	No exceedances.
NM3	South east	73.0	84.2	N	No exceedances.
NM4	West	60.8	68.9	N	No exceedances.

No exceedances were recorded during Week 09.

3.2 Vibration Monitoring

A summary of the measured vibration levels at the relevant monitoring locations over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0

Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB6	South	1.5	0.447	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

Results from the latest monitoring period will be provided when obtained from the laboratory.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01 respectively).

4.1 Contaminated Soils & Materials

The hotspot identified using visual and olfactory methods as TP07 in the gap site investigation works has been excavated during Week 08.

This hotspot has been excavated and delineated to remove all hydrocarbon impacted material to the established quarantine area. All visual and olfactory evidence of contamination has been removed and validation samples have been taken and sent to the laboratory to confirm satisfactory capture of the hydrocarbon impact. Results will be issued from the laboratory when obtained.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 08, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now completely stripped of hardstanding including the former compound area.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works are continuing with the removal of below ground obstructions and screening of materials to segregate Class 1C/ 2C general fill materials from oversized hardstanding below the car park area.

Units 3 & 4 remediation and reengineering of general fill materials is now complete, with capping materials being placed consisting of 6F2 material. This is to be finished with 150mm of MOT.

See C332/WRD/009 in Appendix B for a full display of works complete up to 25/07/25.

5.2 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

BWB are now establishing their works and order directly with Network Space, which may be the reason for the slight delay in their document issue.

C&R agreed to issue a Technical Note around our revised approach to capture earthworks efficiencies, for BWB to consider within their earthworks specifications. See Technical Note C332.TN.EW.001 for reference.

5.3 Geotechnical Results

In *situ* geotechnical testing has been undertaken during the earthworks from the base of excavation and across all engineered material layers. All results during Week 9 have been in excess of 150kN/m2 (for the shear vane testing at the base of excavation) and above 10% for the mexeprobe testing in reengineered levels.

C&R agreed with BWB to conduct additional testing over and above the mexeprobe and shear vane tests (in *situ* density) in addition to our agreed ITP and RSIP.

Results have been issued in Appendix D for Nuclear Density Testing completed to date. NDG01 – 21 have been conducted on general fill materials. NDG22-29 have been performed within the 6F2 layers currently at the surface of units 3 & 4. All testing to date has provided satisfactory results.

All testing to date either meets or exceeds the performance requirements.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Platt from Bansco has been on site overseeing the works Monday to Friday during Week 09.

6.2 Complaints and Resolution Actions Completed

No complaints were received during week 09.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 09.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 08/07/25.

6.4 Long Lead In/ Early Warning Record

No long lead in/ early warnings are noted during Week 09.

6.5 Other Technical Items of Note

No other technical items of note are recorded during Week 09.

6.6 Any Other Business

Note site cleaner employed as Instructed for and on behalf of Bansco team.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 9
21/07/25 - 25/07/25



Car park Instructed Additional Works removal of kiln structures within area of new drain run and removal of voids presenting a risk of ground collapse.



Car park remediation works ongoing in Week 09.



Crushing works ongoing to produce a recycled 6F2 aggregate with full time dust suppression.



Drainage team remobilised following redesign works by Stantec.



Unit 3 remediation works to base of excavation complete during Week 09.



Unit 4 capping and access complete during Week 09.



Site progress as of 25/07/25 0900. Refer to C332/WRD/009 for further information.

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Drawing Number C332/WRD/009 Rev A

Note additional Instructed works during Week 09 removing kilns/ brick arches below C&R base of excavation in car park area in area of new drain run.



Note Additional welfare cabin mobilised and stacked as Instructed due to number of operatives on site (remediation, drainage, crushing teams).

Note long chain hydrocarbon impacted materials captured from below C&Rs vertical boundary of 2m as Additional Works for disposal off site.

Note drainage remobilised during Week 09 following Stantec design change and level assessment.

Note crushing team now progressed to concrete and asphalt stock, but still producing 6F2 to due soil materials volume loss from Additional Works excavations from below C&Rs vertical boundary of 2m bOGL.

North

C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Oversized hardcore stockpiled & being processed to a recycled 6F2 & MOT (asphalt and concrete only in accordance with Clause 803 of *MCHW* Series 800 for MOT).
- Site produced 6F2 stockpile for reuse on site.
- Recovered quarried MOT stockpiled separately for reuse during the works.
- Additional works compound area 2 established including perimeter fencing.
- Unit area completed in accordance with the *MCHW* Series 600 up to top of 6F2 layer, to be finished with one MOT layer.
- Remediation and reengineering works ongoing.
- Surface broken out ready for further remediation works.

Note assessments ongoing by BWB to mitigate Landpac, cement stabilisation and ground gas CS2 requirements following bulk assessment of ground condtions.

Read in conjunction with Weekly Environmental Report No. 09 (C332/WER/001/09) for full breakdown of works during week 09 (Section 1.0).

Rev	Date	Description
A	25/07/25	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 09

Project Code	C332	Scale	1: 750 (approx.)
		Date Drawn	25/07/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/WRD/009 Rev A

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R cwl-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 14°C 1000mb	Dry 23°C 1000mb	Dry 18°C 1004mb
Wind • Speed? • Direction?	N 3mph	W 6 mph	W 5mph
Noise Readings	N_1: 76.2 81.7 N_2: N_3: 74.1 77.2 N_4: 68.8 74.1 N_5: 62.2 66.1 N_6: N_7:	N_1: 76.9 81.0 N_2: N_3: 71.2 75.6 N_4: 69.0 72.3 N_5: 61.5 67.4 N_6: N_7:	N_1: 77.3 83.1 N_2: N_3: 68.6 72.7 N_4: 73.3 76.7 N_5: 58.7 64.3 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]	
Day & Date	Mon 21/7	**Checked by Site / Manager**		

C&R environmental	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 16°C 1009mb	Dry 19°C 1011mb	Dry 17°C 1013mb
Wind • Speed? • Direction?	WNW 9mph	W 11mph	WNW 7mph
Noise Readings	N_1: 68.1 72.7 N_2: N_3: 78.1 82.7 N_4: 71.1 74.6 N_5: N_6: 61.1 65.1 N_7:	N_1: 68.9 72.6 N_2: 74.5 78.0 N_3: N_4: 73.7 77.1 N_5: N_6: 58.2 61.9 N_7:	N_1: 77.3 83.2 N_2: N_3: 68.1 73.0 N_4: 70.0 74.6 N_5: N_6: 62.1 67.0 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]
Day & Date	27/07	Checked by Site / Manager	

C&R civil-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 15C 1015mb	Dry 19C 1016mb	Dry 18C 1017mb
Wind • Speed? • Direction?	WNW 9mph	WNW 11mph	NW 8mph
Noise Readings	N_1: 76.1 81.6 N_2: N_3: 77.9 83.3 N_4: 73.9 79.3 N_5: N_6: 61.0 66.9 N_7:	N_1: 76.7 82.2 N_2: N_3: 74.1 77.8 N_4: 71.9 76.0 N_5: N_6: 59.6 62.8 N_7:	N_1: 68.0 73.4 N_2: N_3: 70.1 75.3 N_4: 70.8 74.5 N_5: 58.7 62.1 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence, Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	23/07	**Checked by Site / Manager**	

C&R cwi-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 16°C 1018mb	Dry 22°C 1020mb	Dry 20°C 1020mb
Wind • Speed? • Direction?	WNW 6mph	WNW 11mph	W 6mph
Noise Readings	N_1: 68.5 74.5 N_2: 75.0 79.7 N_3: 76.3 80.0 N_4: N_5: 63.7 68.9 N_6: N_7:	N_1: 76.1 79.3 N_2: 66.9 74.5 N_3: 75.5 79.2 N_4: N_5: 58.8 63.2 N_6: N_7:	N_1: 74.4 78.5 N_2: 72.1 77.2 N_3: 75.3 79.8 N_4: N_5: 62.6 67.3 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	24/07	**Checked by Site / Manager**	

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 11°C 1019 mb	Dry 25°C 1018 mb	Dry 17°C 1018 mb
Wind • Speed? • Direction?	N 4mph	WNW 8mph	N 7mph
Noise Readings	N_1: 77.2 81.7 N_2: N_3: 68.1 72.0 N_4: 78.5 84.2 N_5: 61.2 64.7 N_6: N_7:	N_1: 74.1 79.6 N_2: 73.9 78.4 N_3: N_4: 70.9 74.3 N_5: 60.0 64.4 N_6: N_7:	N_1: 76.4 81.4 N_2: 70.9 74.8 N_3: N_4: 75.0 79.3 N_5: 63.0 66.2 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	25/07	Checked by Site / Manager		

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX D – GEOTECHNICAL RESULTS

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St. Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Insitu Density Testing, Nuclear Method to BS 1377-9:1990 Compliance Method

Report No.:	TD25-C-04-A-39	Date Reported:	23/07/2025
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4		
Material Description:	Brown Stony Clay		
Date of Test:	11/07/2025	Source*:	Site Won
Gauge Model:	Troxler 3430	Gauge Serial No.:	28809
General Location*:	See Below	Probe Depth:	275 mm
Particle Density:	N/A	Weather Conditions:	Sunny

Test No.	Test Position*	Bulk Density Mg/m^3	Moisture Content %	Dry Density Mg/m^3	Max Dry Density Mg/m^3	Relative Comp. %	Air Voids %
NDG 1	Location 1 (3.5)	1.89	11.2	1.70	1.60	106	N/R
NDG 2	Location 2 (3.5)	1.91	14.1	1.67	1.60	105	N/R
NDG 3	Location 3 (3.5)	1.93	14.6	1.69	1.60	105	N/R
NDG 4	Position 1 (3.6)	1.84	16	1.59	1.60	99	N/R
NDG 5	Position 2 (3.6)	1.85	15.5	1.60	1.60	100	N/R
NDG 6	Position 3 (3.6)	1.89	14.5	1.65	1.60	103	N/R
NDG 7	Position 1 (3.7)	1.87	15.3	1.62	1.60	101	N/R
NDG 8	Position 2 (3.7)	1.88	15.1	1.63	1.60	102	N/R
NDG 9	Position 3 (3.7)	1.87	15.1	1.63	1.60	102	N/R

Comments / Deviations:

Relative Compaction compared to Max Dry Density
Moisture Content corrected in accordance with BS 1377-9:1990
Bulk Density corrected in accordance with BS 1377:9:1990
Air Voids Calculated in accordance with BS1377-1:2016
This report shall not be reproduced except in full without approval of the laboratory
Results relate only to the sample tested
* Information supplied by client

Signed [redacted]

P. Gabbott (Operations Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St. Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Insitu Density Testing, Nuclear Method to BS 1377-9:1990 Compliance Method

Report No.:	TD25-C-04-A-40	Date Reported:	23/07/2025
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4		
Material Description:	Recycled 6F2		
Date of Test:	11/07/2025	Source*:	Site Won
Gauge Model:	Troxler 3430	Gauge Serial No.:	28809
General Location*:	See Below	Probe Depth:	275 mm
Particle Density:	N/A	Weather Conditions:	Sunny

Test No.	Test Position*	Bulk Density Mg/m^3	Moisture Content %	Dry Density Mg/m^3	Max Dry Density Mg/m^3	Relative Comp. %	Air Voids %
NDG 10	Position 1 (4.5)	1.91	8.6	1.76	1.87	94	N/R
NDG 11	Position 2 (4.5)	1.96	8.8	1.80	1.87	96	N/R
NDG 12	Position 3 (4.5)	1.92	8.8	1.76	1.87	94	N/R
NDG 13	Position 4 (4.5)	1.90	8.4	1.76	1.87	94	N/R
NDG 14	Position 5 (4.5)	1.92	8.6	1.77	1.87	94	N/R
NDG 15	Position 6 (4.5)	1.95	7.9	1.81	1.87	97	N/R
NDG 16	Position 7 (4.5)	1.98	7.9	1.83	1.87	98	N/R
NDG 17	Position 8 (4.5)	1.95	7.5	1.82	1.87	97	N/R
NDG 18	Position 9 (4.5)	1.91	7.7	1.77	1.87	95	N/R
NDG 19	Position 10 (4.5)	1.93	8.2	1.78	1.87	95	N/R
NDG 20	Position 1 (4.6)	1.95	8.3	1.80	1.87	96	N/R
NDG 21	Position 2 (4.6)	1.99	8.2	1.84	1.87	98	N/R

Comments / Deviations:

Relative Compaction compared to Max Dry Density
Moisture Content corrected in accordance with BS 1377-9:1990
Bulk Density corrected in accordance with BS 1377:9:1990
Air Voids Calculated in accordance with BS1377-1:2016
This report shall not be reproduced except in full without approval of the laboratory
Results relate only to the sample tested
* Information supplied by client

Sign [redacted]

P. Gabbott (Operations Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St. Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Insitu Density Testing, Nuclear Method to BS 1377-9:1990 Compliance Method

Report No.:	TD25-C-04-A-41	Date Reported:	23/07/2025
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4		
Material Description:	Recycled 6F2		
Date of Test:	11/07/2025	Source*:	Site Won
Gauge Model:	Troxler 3430	Gauge Serial No.:	28809
General Location*:	See Below	Probe Depth:	275 mm
Particle Density:	N/A	Weather Conditions:	Sunny

Test No.	Test Position*	Bulk Density Mg/m^3	Moisture Content %	Dry Density Mg/m^3	Max Dry Density Mg/m^3	Relative Comp. %	Air Voids %
NDG 22	Position 3 (4.6)	1.89	7.5	1.75	1.87	94	N/R
NDG 23	Position 4 (4.6)	1.92	7.0	1.79	1.87	96	N/R
NDG 24	Position 5 (4.6)	1.93	8.5	1.77	1.87	95	N/R
NDG 25	Position 6 (4.6)	1.95	7.7	1.81	1.87	97	N/R
NDG 26	Position 7 (4.6)	1.91	7.5	1.77	1.87	95	N/R
NDG 27	Position 8 (4.6)	1.94	7.0	1.82	1.87	97	N/R
NDG 28	Position 9 (4.6)	1.92	8.7	1.76	1.87	94	N/R
NDG 29	Position 10 (4.6)	1.97	8.8	1.81	1.87	97	N/R

Comments / Deviations:

Relative Compaction compared to Max Dry Density
Moisture Content corrected in accordance with BS 1377-9:1990
Bulk Density corrected in accordance with BS 1377:9:1990
Air Voids Calculated in accordance with BS1377-1:2016
This report shall not be reproduced except in full without approval of the laboratory
Results relate only to the sample tested
* Information supplied by client

Signe [redacted]

P. Gabbott (Operations Manager)

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE. BY DESIGN



City Works 4

Weekly Environmental Report, No. 10

Civil and Remediation Ltd.

C332/WER/001/10

August 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	04/08/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 10

Report Reference: C332/WER/001/10

Revision Number: 001

Issue Date: 04th August 2025

Author: Tom Magee BSc (Hons) FGS MCIWEM (Geoenvironmental Manager, C&R: Environmental Ltd.)

Checked By: Aron Rowley (Project Engineer, C&R Ltd.)

Approved By: Jack Rowley FCICES MIVM (Managing Director, C&R Ltd)

Client: Network Space,
Centrix House,
26 Crow Lane East,
Newton-le-Willows,
WA12 9UY

Principal Contractor: Bansco,
Pure House,
Bridge Street,
Horwich,
Bolton,
BL6 7BT

Remediation Contractor: Civil and Remediation Ltd.,
Grosvenor House
3 Chapel Street
Congleton
Cheshire
CW12 4AB

Contents

1.0 Week 10 Scope of Works Undertaken 1
2.0 Week 11 Forecast Works Anticipated 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 3
5.0 Remediation, Earthworks and Geotechnics 3
5.1 Site Works 3
5.2 Geotechnical Design (Instructed Late May 2025 to C&R) 4
5.3 Geotechnical Results 4
6.0 Any Other Business 5
6.1 Site Visits, Attendances & Outcomes 5
6.2 Complaints and Resolution Actions Completed 5
6.3 Health, Safety and Welfare 5
6.4 Long Lead In/ Early Warning Record 5
6.5 Other Technical Items of Note 5
6.6 Any Other Business 5
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD
APPENDIX D – GEOTECHNICAL RESULTS

1.0 Week 10 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 28/07/25 to 01/08/25 (Week 10) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Dust suppression to manage dust liberation on site;
- Reengineering of the car park area with imported fills due to volume of soil material lost from Instructed Additional Works to date;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C/ 2C general fill materials for reengineering works;
- Continuation of the drainage works along the eastern boundary;
- Excavation of the attenuation tank in the north eastern corner of the site in anticipation of installation to the Stantec approved SDS design;
- Preparation of the north eastern car park area up to finished level with MOT in anticipation of third Additional Works cabin relocation to facilitate continued remediation of the Unit 1 & 2 areas;
- Continuation of crushing U1 oversized hardstanding to a 6F2 & MOT aggregate; and,
- Remediation of the Unit 2 area including breaking and removal of slabs & relict foundations to stock.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 11 Forecast Works Anticipated

The anticipated works in Week 11 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;

- Continuation of reengineering imported fills in the car park area due to imposed shortfall from agreed and Instructed Additional Works to date;
- Continuation of the drainage works in the eastern area of the site;
- Commencement of foul drainage to the new design;
- Continuation of crushing works to process Class U1 oversized hardstanding to a recycled 6F2 product for reuse on site;
- Placement of MOT across the completed Units 3 & 4 areas;
- Additional works cabin relocation to the north eastern car park area; and,
- Continued remediation of the Units 1 & 2 area.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	72.6	82.6	N	No exceedances.
NM2	North east	72.6	83.8	N	No exceedances.
NM3	South east	73.2	83.8	N	No exceedances.
NM4	West	62.0	69.1	N	No exceedances.

No exceedances were recorded during Week 10.

3.2 Vibration Monitoring

A summary of the measured vibration levels at the relevant monitoring locations over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0

Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments

VB6	Center	1.5	0.874	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

Results from the latest monitoring period will be provided when obtained from the laboratory.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01 respectively).

4.1 Contaminated Soils & Materials

No contaminated soils have been encountered during Week 10.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 10, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now completely stripped of hardstanding including the former compound area.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Reengineering works are ongoing within the car park area using imported fill materials due to the shortfall of soil materials following Additional Works relict structure removal to date and subsequent voids encountered.

Units 3 & 4 remediation and reengineering of general fill materials is now complete, with capping materials being placed consisting of 6F2 material. This is to be finished with 150mm of MOT during Week 11.

Remediation works have now progressed to Unit 2 with the removal of relict slabs and foundations along the southern boundary.

See C332/WRD/010 in Appendix B for a full display of works complete up to 01/08/25.

5.2 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

BWB are now establishing their works and order directly with Network Space, which may be the reason for the slight delay in their document issue.

C&R agreed to issue a Technical Note around our revised approach to capture earthworks efficiencies, for BWB to consider within their earthworks specifications. See Technical Note C332.TN.EW.001 for reference.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

5.3 Geotechnical Results

In *situ* geotechnical testing has been undertaken during the earthworks from the base of excavation and across all engineered material layers. All results during Week 10 have been in excess of 150kN/m2 (for the shear vane testing at the base of excavation) and above 10% for the mexeprobe testing in reengineered levels.

C&R agreed with BWB to conduct additional testing over and above the mexeprobe and shear vane tests (in *situ* density) in addition to our agreed ITP and RSIP.

All testing to date either meets or exceeds the performance requirements.

For ease of reference, all geotechnical laboratory test results obtained to date are provided in Appendix D. These results correspond to the volumes of material utilised to date and are referenced against the agreed Inspection and Test Plan for material reuse rates. All testing undertaken to date is compliant. It is noted, however, that samples taken from the existing 6F2 stockpile during the initial six-week period exhibited relatively low moisture content due to sustained dry and hot weather conditions. Reuse of this material has been undertaken in full compliance with the specification, as moisture content increased to acceptable levels following a change in weather conditions prior to placement, determined via visual assessment and nuclear density results.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Platt from Bansco has been on site overseeing the works Monday to Friday during Week 10.

Design Team Meeting on site 31/07/25. C&R received good feedback on the progress of works from Network Space.

6.2 Complaints and Resolution Actions Completed

No complaints were received during week 10.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 10.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 08/07/25.

6.4 Long Lead In/ Early Warning Record

C&R understand that the drainage design is currently under review and we are awaiting the revised design (C04). We warmly welcome the revised design, change schedule and materials schedule promptly to facilitate the re-assessment, remeasure and re-procurement to expedite the drainage works.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

6.5 Other Technical Items of Note

No other technical items of note are recorded during Week 10.

6.6 Any Other Business

Note site cleaner employed as Instructed for and on behalf of Bansco team.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 10
28/07/25 - 01/08/25





Remediation of Unit 2 continues.



Area to the north of Unit 4 remediated and stone installed in anticipation of third compound relocation to final position.



First attenuation tank excavated in anticipation of installation.



Drainage works continue. Connection to existing foul complete and backfilled. SWMH23, SWMH46, SWMH47 & MH5 installation and reinstatement complete. Excavation and pipework to SWMH42 complete.



Crushing works continue to produce recycled MOT for reuse on site.





Import ongoing to raise car park area to level following shortfall of soil materials due to Additional Instructed relict foundation removal works below C&R vertical boundary of 2m to date. Additional reengineering works to bring area up to level.



Drone progress photo as of 01/08/25 11am. Refer to C332/WRD/010 for further information.

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Rev A

Drawing Number C332/WRD/010

Note area complete to design levels in anticipation of 3rd temporary cabin setup.



Note Additional welfare cabin mobilised and stacked as Instructed due to number of operatives on site (remediation, drainage, crushing teams).

Note long chain hydrocarbon impacted materials captured from below C&Rs vertical boundary of 2m as Additional Works for disposal off site.

Connection to existing foul complete and backfilled. SWMH23, SWMH46, SWMH47, MH5 installation, pipework and reinstatement complete. Excavation & pipework to SWMH42 complete.

C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Oversized hardcore stockpiled & being processed to a recycled 6F2 & MOT (asphalt and concrete only in accordance with Clause 803 of *MCHW* Series 800 for MOT).
- First attenuation tank excavated ready for installation.
- Recovered quarried MOT stockpiled separately for reuse during the works.
- Additional works compound area 2 established including perimeter fencing.
- Unit area completed in accordance with the *MCHW* Series 600 with 6F2 layer and MOT layer.
- Remediation works complete. Reengineering works ongoing imported fill due to Additional Works voids. Volume to be confirmed.
- Surface broken out ready for further remediation works.

This drawing acts as the As-Built (including drainage) up to the end of the July.

Note assessments ongoing by BWB to mitigate Landpac, cement stabilisation and ground gas CS2 requirements following bulk assessment of ground condtions.

Read in conjunction with Weekly Environmental Report No. 10 (C332/WER/001/10) for full breakdown of works during week 10 (Section 1.0).

Rev	Date	Description
A	01/08/25	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 10

Project Code	C332	Scale	1: 600 (approx.)
		Date Drawn	01/08/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/WRD/010 Rev A

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R civil-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 13°C 1020mb	Dry 20°C 1020mb	Dry 18°C 1021mb
Wind • Speed? • Direction?	W 6mph	WNW 13mph	WNW 7mph
Noise Readings	N1: 73.6 78.7 N2: 68.7 72.2 N3: N4: 76.0 80.8 N5: 63.3 68.1 N6: N7:	N1: 70.9 75.8 N2: 70.3 75.4 N3: N4: 70.9 76.7 N5: 63.1 67.3 N6: N7:	N1: 68.6 73.1 N2: 69.2 72.7 N3: N4: 75.6 78.7 N5: N6: 63.7 69.1 N7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	Mon 29/07	**Checked by Site / Manager**	

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 13°C 1019mb	Dry 18°C 1018mb	Dry 19°C 1019mb
Wind • Speed? • Direction?	N 3mph	W 4mph	WNW 7mph
Noise Readings	N1: 70.3 74.6 N2: 69.4 74.9 N3: 68.8 74.3 N4: 61.2 66.6 N5: N6: N7:	N1: 77.6 81.5 N2: 68.7 72.0 N3: 71.6 76.3 N4: 63.7 68.6 N5: N6: N7:	N1: 74.2 80.1 N2: 74.8 79.4 N3: 69.7 73.5 N4: 61.6 66.6 N5: N6: N7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	JM	Signature	[redacted]	
Day & Date	Tues 29/07	Checked by Site / Manager		

C&R civil-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 16°C 1019mb	Dry 19°C 1019mb	Dry 19°C 1019mb
Wind • Speed? • Direction?	W 9mph	W 12mph	WNW 6mph
Noise Readings	N1: 75.1 78.8 N2: 77.9 82.5 N3: 78.9 83.6 N4: 59.7 65.5 N5: N6: N7:	N1: 70.8 76.6 N2: 75.4 80.2 N3: 74.7 79.6 N4: 63.1 66.1 N5: N6: N7:	N1: 75.8 81.5 N2: 71.6 76.1 N3: 75.1 78.8 N4: 63.0 66.8 N5: N6: N7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDU →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	Wed 30/07	**Checked by Site / Manager**	

C&R civil-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 16°C 1017mb	Dry 18°C 1017mb	Dry 19° 1018mb
Wind • Speed? • Direction?	WNW 9mph	WNW 12mph	WNW 9mph
Noise Readings	N1: 72.3 76.9 N2: 75.1 79.4 N3: 69.7 72.8 N4: 60.3 64.1 N5: N6: N7:	N1: 72.9 78.4 N2: 75.9 79.1 N3: 78.5 83.8 N4: 63.4 68.5 N5: N6: N7:	N1: 70.1 74.1 N2: 68.7 74.1 N3: 68.1 73.8 N4: 62.4 67.9 N5: N6: N7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP	DP DTM	DP
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	N/A →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TH	**Signature**	[redacted]
Day & Date	Thurs 31/07	**Checked by Site / Manager**	

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 13°C 1018mb	Dry 16°C 1018mb	Dry 16°C 1019mb
Wind • Speed? • Direction?	NNW 6mph	WNW 7mph	NW 6mph
Noise Readings	N_1: 78.6 82.6 N_2: 69.4 73.6 N_3: N_4: 70.0 73.6 N_5: 58.1 62.2 N_6: N_7:	N_1: 68.2 73.9 N_2: 75.8 80.6 N_3: N_4: 73.5 77.2 N_5: 68.6 67.4 N_6: N_7:	N_1: 70.0 73.6 N_2: 78.3 83.8 N_3: N_4: 77.7 82.9 N_5: 59.8 64.9 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		
Monitoring • Any sampling/monitoring undertaken?	NDU →		
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →		
PID Readings • Working Areas • Site Boundary • Receptors	NA →		

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Fri 01/08	Checked by Site / Manager		

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX D – GEOTECHNICAL RESULTS

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-24 Report Date: 07/07/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4

Client Ref.*: DH-26/06-01 Lab Ref: Lab 25/1408
Date Sampled: 26/06/25 Sample Type: Bulk
Sampled By: TD Mass (kg): 65
Date Received: 26/06/25

Location*: Stockpile
Supplier*: Client Source*: Site Won
Description: Brown Stony Clay (2C)

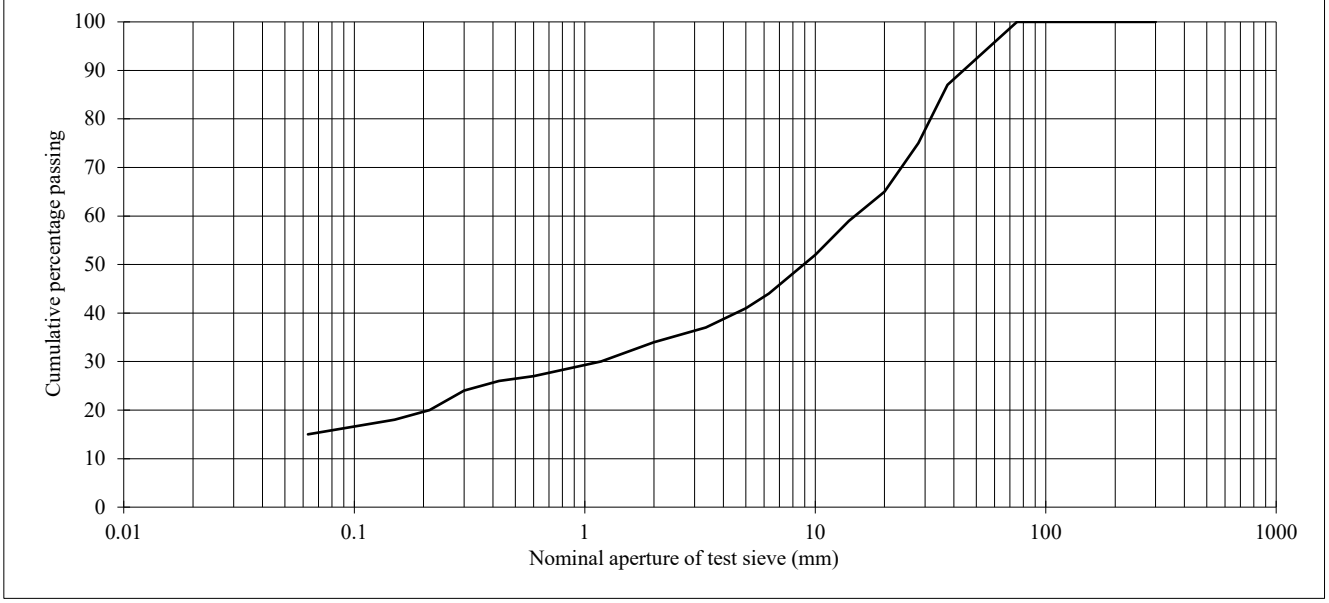
Date of Test: 07/07/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks:

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
300	100	
125	100	100
90	100	
75	100	
37.5	87	
28	75	
20	65	
14	59	
10	52	
6.3	44	
5.0	41	
3.35	37	
2.00	34	15 - 80
1.18	30	
0.600	27	
0.425	26	
0.300	24	
0.212	20	
0.150	18	
0.063	15	15 - 80

15% Silt & Clay	19% Sand	60% Gravel	6% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Sampled in accordance with IHP C146 Soil Sampling.
This report shall not be reproduced except in full without approval of the laboratory.
Decision rule - Any uncertainty is taken into consideration within the test standard and reporting method.
Results relate only to the sample tested. * Information supplied by client.

Signe [redacted]

J. Wright (Lab Section Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Determination of Aggregate Particle Size Distribution - Sieving Method

Report No.: TD25-C-04-A-26 Report Date: 09/07/2025
Client: Civil & Remediation
Client Address: 3 Chapel Street, Congleton, Cheshire, CW12 4AB
Site: City 4

Client Ref*: GT/RMOT/1/2 Lab Ref: 25/1253
Date Sampled*: 11/06/2025 Sample Type: Bulk
Sampled by: Client Mass (kg): 36
Date Received: 12/06/2025

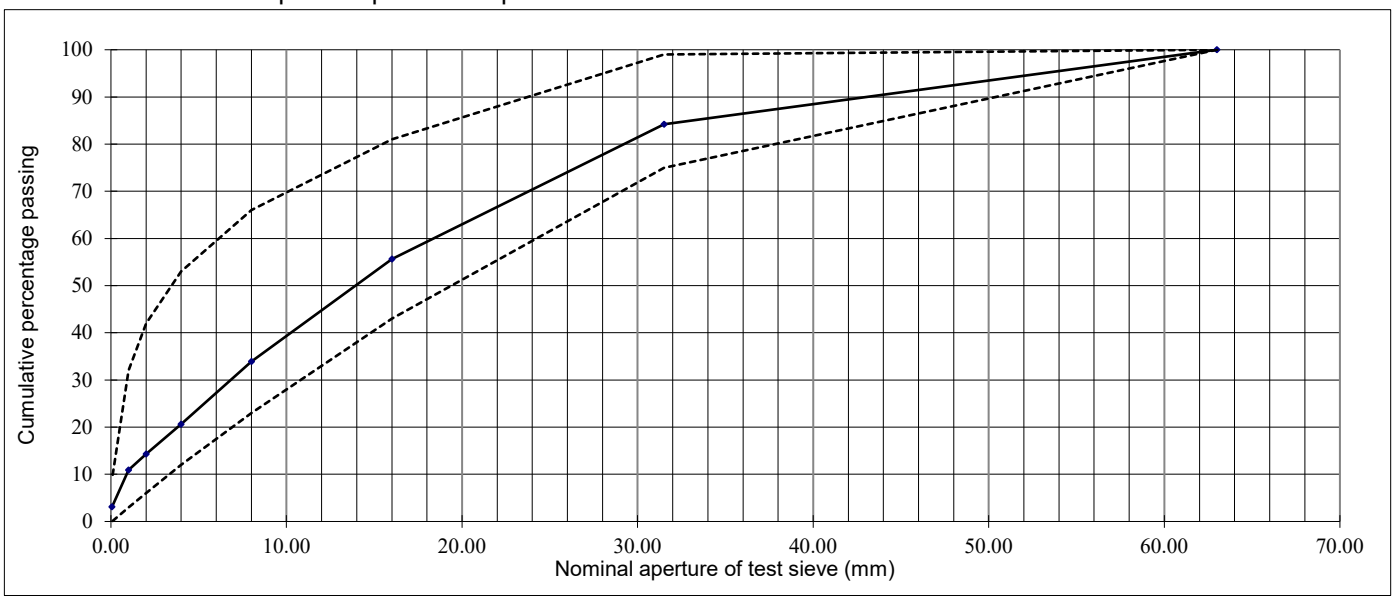
Location*: Stockpile
Description: Type 1 Subbase
Supplier/Source*: Client / Site Won

Date of Test: 08/07/2025
Test Method: Washing and Sieving
Method of Preparation: BS EN 932-2:1999 Method 10
Material Specification: SHW Series 800 Table 8/6a (Overall Range)
%Passing 16mm Retained 8mm (allowed 7-30): 22
%Passing 8mm Retained 4mm (allowed 7-30): 13

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
125	100			
80	100			
63	100	100		
50	100			
40	92			
31.5	84	75	-	99
20	70			
16	56	43	-	81
14	50			
10	38			
8.0	34	23	-	66
6.3	31			
4.0	21	12	-	53
2.8	17			
2.0	14	6	-	42
1.0	11	3	-	32
0.500	8			
0.250	6			
0.125	4			
0.063	3.1	0	-	9

Remarks: Sample complies with specification



Certified that the Particle Size Distribution was determined in accordance with EN 933-1:2012
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
This report shall not be reproduced except in full without approval of the laboratory.
Decision rule - Any uncertainty is taken into consideration within the test standard and reporting method.
Results relate only to the sample tested. * Information supplied by client.

Signed [redacted] J. Wright (Lab Section Manager)

TD Construction Testing Ltd
Gerard Hall
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St Helens
Merseyside
WA10 2SD

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E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-27 Report Date: 09/07/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB
Site: City 4

Client Ref.*: GT/F/1/1 Lab Ref: 25/1255
Date Sampled* 11/06/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 46
Date Received: 12/06/25

Location*: GT/F/1/1
Supplier*: Not Advised Source*: Not Advised
Description: Black Sand with Recycled Aggregate (1A)

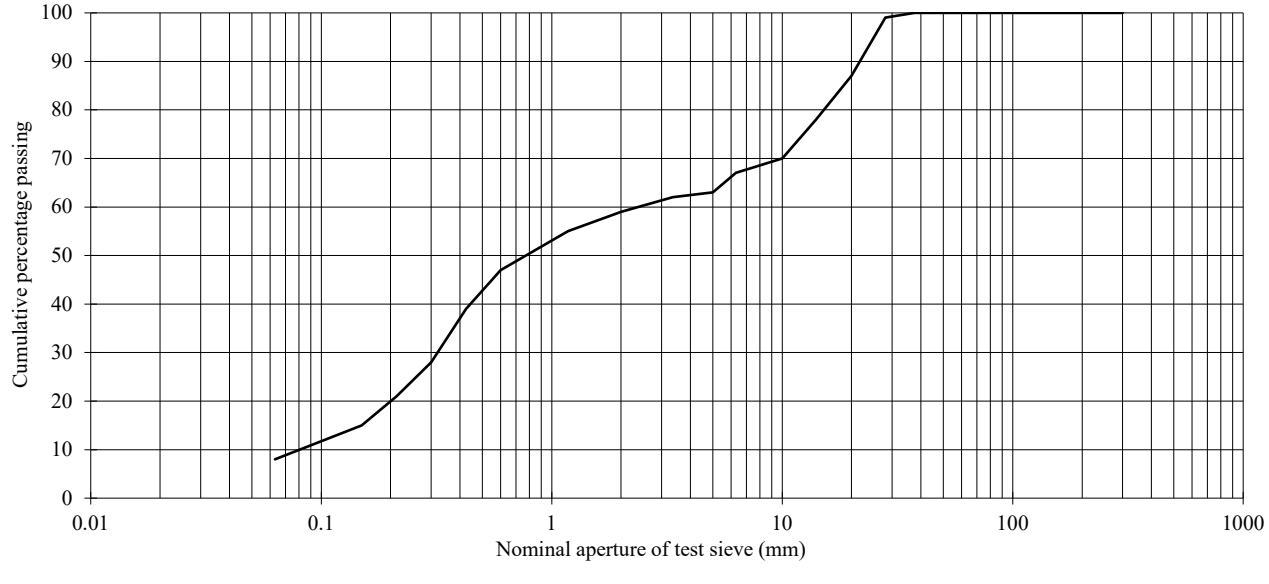
Date of Test: 08/07/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks:
Uniformity Coefficient = 29

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
300	100	100
125	100	95 - 100
90	100	
75	100	
37.5	100	
28	99	
20	87	
14	78	
10	70	
6.3	67	
5.0	63	
3.35	62	
2.00	59	
1.18	55	
0.600	47	
0.425	39	
0.300	28	
0.212	21	
0.150	15	
0.063	8	0 - 15

8% Silt & Clay	51% Sand	41% Gravel	0% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
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Decision rule - Any uncertainty is taken into consideration within the test standard and reporting method.
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TEST REPORT

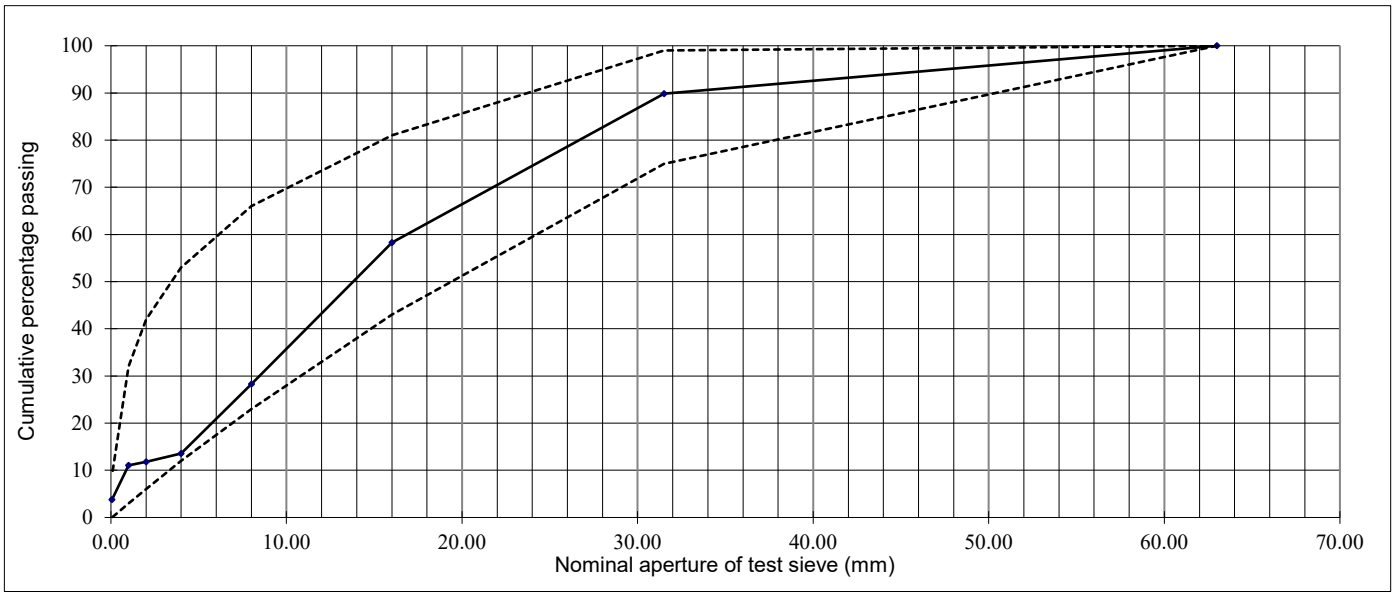
Determination of Aggregate Particle Size Distribution - Sieving Method

Report No.:	TD25-C-04-A-28	Report Date:	15/07/2025
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB		
Site:	City 4		
Client Ref*:	GT/RMOT/1/1	Lab Ref:	25/1252
Date Sampled*:	11/06/2025	Sample Type:	Bulk
Sampled by:	Client	Mass (kg):	34
Date Received:	12/06/2025		
Location*:	Stockpile		
Description:	Type 1 Subbase		
Supplier/Source*:	Not Advised		
Date of Test:	07/07/2025		
Test Method:	Washing and Sieving		
Method of Preparation:	BS EN 932-2:1999 Method 10		
Material Specification:	SHW Series 800 Table 8/6a (Overall Range)		
%Passing 16mm Retained 8mm (allowed 7-30):		30	
%Passing 8mm Retained 4mm (allowed 7-30):		15	

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
125	100			
80	100			
63	100	100		
50	100			
40	96			
31.5	90	75	-	99
20	71			
16	58	43	-	81
14	51			
10	35			
8.0	28	23	-	66
6.3	14			
4.0	14	12	-	53
2.8	13			
2.0	12	6	-	42
1.0	11	3	-	32
0.500	10			
0.250	8			
0.125	5			
0.063	3.8	0	-	9

Remarks:



Certified that the Particle Size Distribution was determined in accordance with EN 933-1:2012
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-30 Report Date: 16/07/25
Client: Civil & Remediation
Client Address: Grosvenor House,3 Chapel Street,Cheshire, CW12 4AB
Site: City 4

Client Ref.*: GT/6F2/1/2 Lab Ref: Lab 25/1254
Date Sampled* 11/06/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 28
Date Received: 12/06/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Recycled 6F2

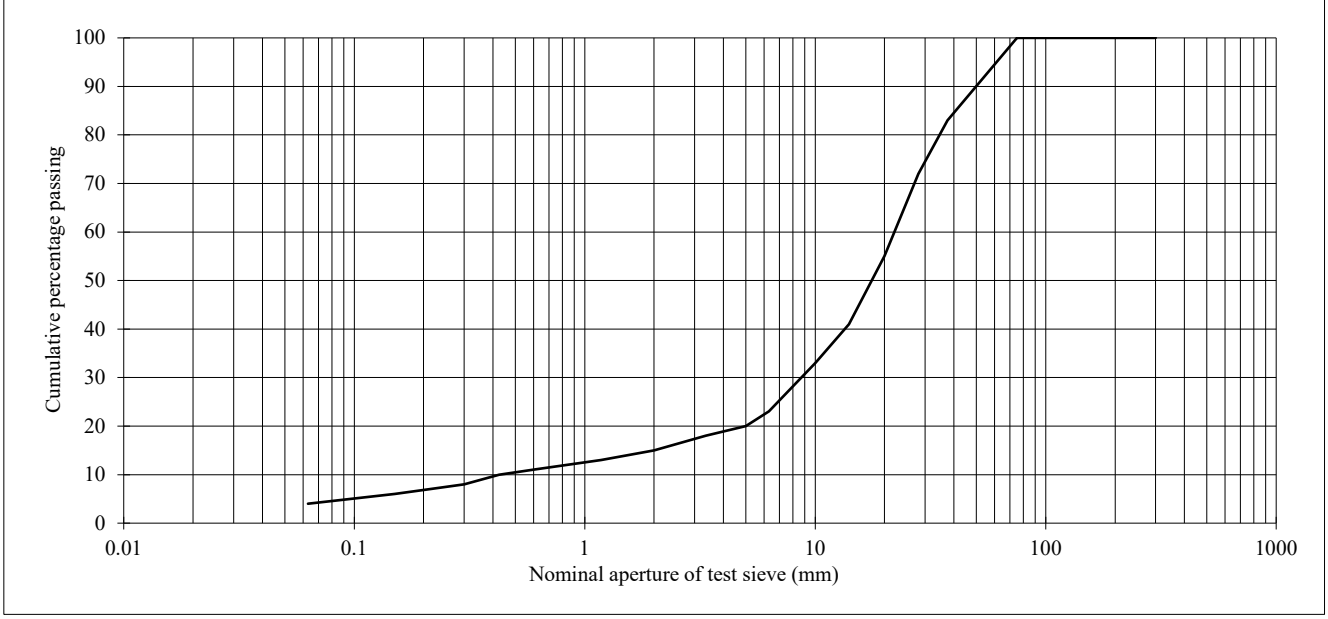
Date of Test: 16/07/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks:
Uniformity Coefficient = 52

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
300	100			
125	100		100	
90	100	80	-	100
75	100	65	-	100
37.5	83	45	-	100
28	72			
20	55			
14	41			
10	33	15	-	60
6.3	23			
5.0	20	10	-	45
3.35	18			
2.00	15			
1.18	13			
0.600	11	0	-	25
0.425	10			
0.300	8			
0.212	7			
0.150	6			
0.063	4	0	-	12

4% Silt & Clay	11% Sand	79% Gravel	6% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-42 Report Date: 23/07/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB
Site: City 4

Client Ref.*: GT/6F2/111 Lab Ref: Lab 25/1507
Date Sampled* 02/07/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 40
Date Received: 16/07/25

Location*: Stockpile
Supplier*: Client Source*: Site Won
Description: Recycled 6F2

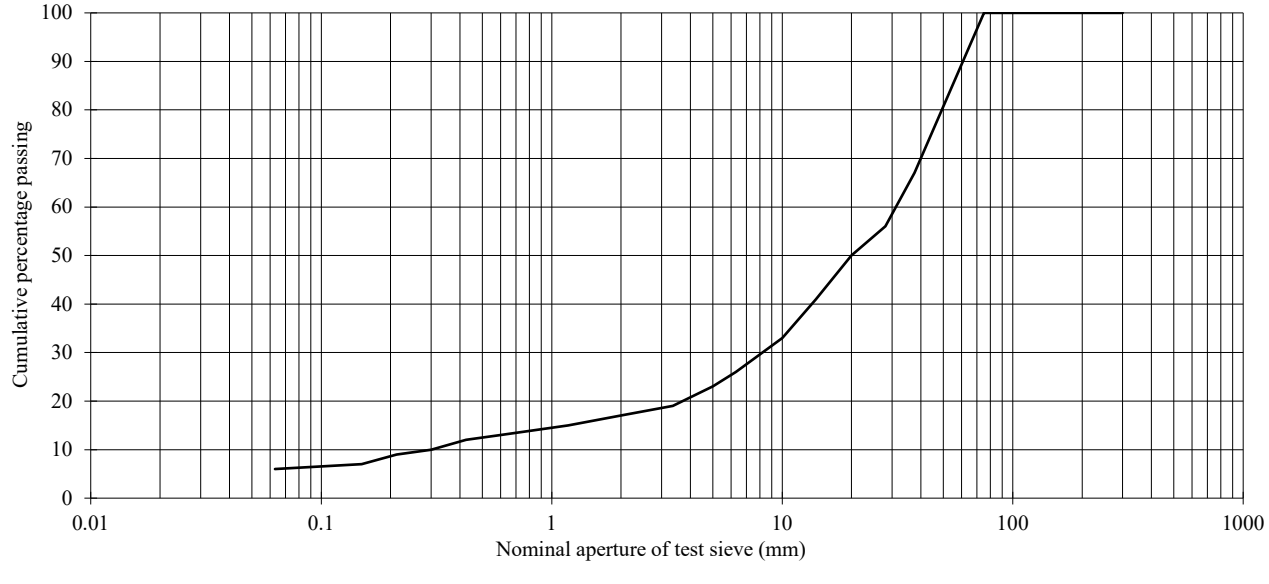
Date of Test: 22/07/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification
Uniformity Coefficient = 104

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
300	100			
125	100		100	
90	100	80	-	100
75	100	65	-	100
37.5	67	45	-	100
28	56			
20	50			
14	41			
10	33	15	-	60
6.3	26			
5.0	23	10	-	45
3.35	19			
2.00	17			
1.18	15			
0.600	13	0	-	25
0.425	12			
0.300	10			
0.212	9			
0.150	7			
0.063	6	0	-	12

6% Silt & Clay	11% Sand	69% Gravel	14% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-43 Report Date: 23/07/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB
Site: City 4

Client Ref.*: GT/6F2/112 Lab Ref: Lab 25/1508
Date Sampled* 02/07/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 40
Date Received: 10/07/25

Location*: Stockpile
Supplier*: Client Source*: Site Won
Description: Recycled 6F2

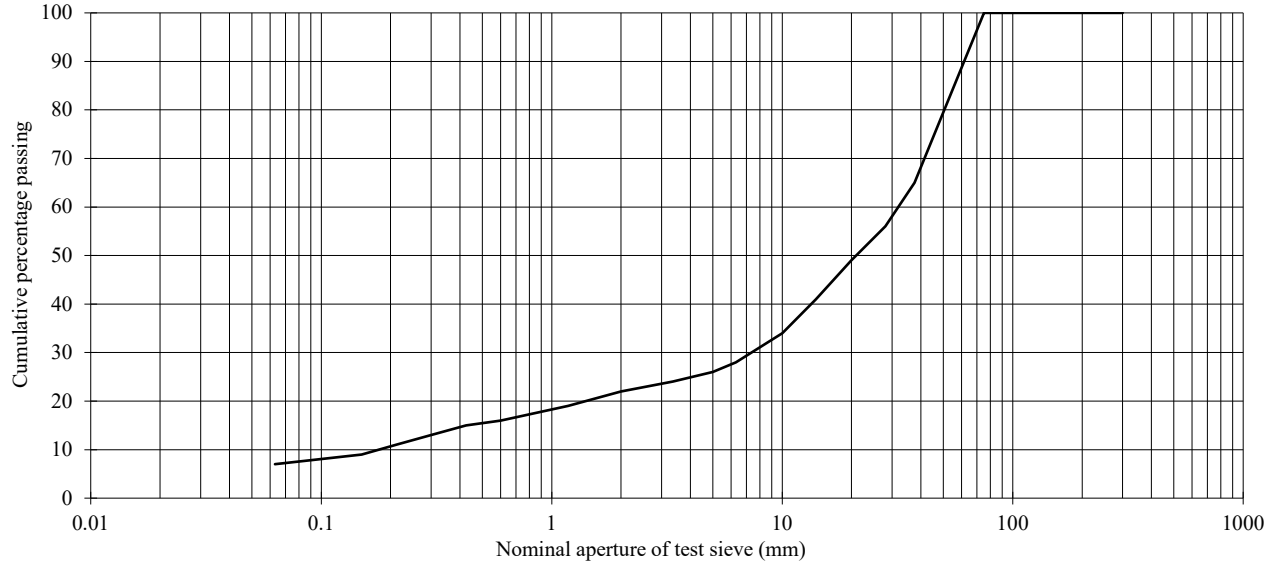
Date of Test: 22/07/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification
Uniformity Coefficient = 179

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
300	100			
125	100		100	
90	100	80	-	100
75	100	65	-	100
37.5	65	45	-	100
28	56			
20	49			
14	41			
10	34	15	-	60
6.3	28			
5.0	26	10	-	45
3.35	24			
2.00	22			
1.18	19			
0.600	16	0	-	25
0.425	15			
0.300	13			
0.212	11			
0.150	9			
0.063	7	0	-	12

7% Silt & Clay	15% Sand	62% Gravel	16% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Uniformity coefficient determined in accordance with SHW series 600 table 6/1 footnote 5
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-44 Report Date: 23/07/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB
Site: City 4

Client Ref.*: AV1/11-07-2025 Lab Ref: Lab 25/1509
Date Sampled* 11/07/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 35
Date Received: 11/07/25

Location*: Stockpile
Supplier*: Client Source*: Site Won
Description: Recycled 6F2

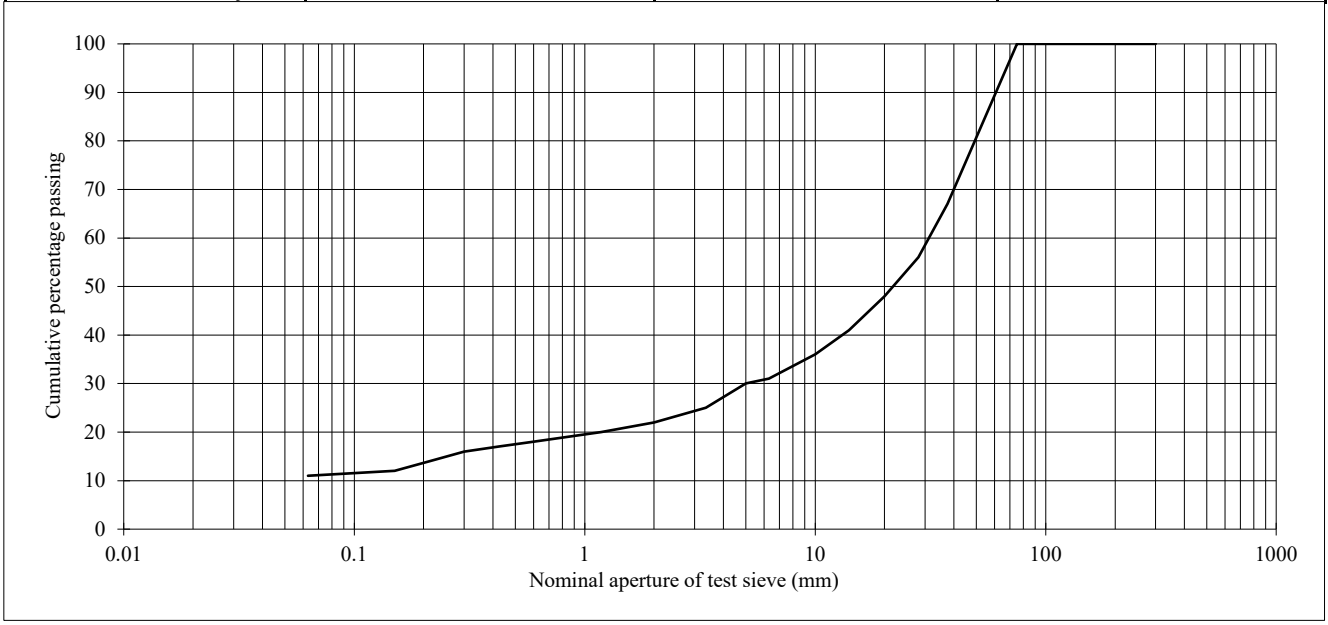
Date of Test: 22/07/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification		
300	100			
125	100		100	
90	100	80	-	100
75	100	65	-	100
37.5	67	45	-	100
28	56			
20	48			
14	41			
10	36	15	-	60
6.3	31			
5.0	30	10	-	45
3.35	25			
2.00	22			
1.18	20			
0.600	18	0	-	25
0.425	17			
0.300	16			
0.212	14			
0.150	12			
0.063	11	0	-	12

11% Silt & Clay	11% Sand	63% Gravel	15% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
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TEST REPORT

Determination of Water Content of Aggregates

Report No:	TD25-C-04-A-18	Report Date:	01/07/2025
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Sample Type:	Bulk	Date Sampled*:	12/06/2025
Site:	City 4	Sampled By:	Client
Supplier/Source:	Not Advised / Not Advised	Date Received:	12/06/2025
		Date Tested:	25/06/2025

Lab Reference	25/1252			
Client Reference*	GT/RMOT/1/1			
Sample Location*	Stockpile			
Material Description	Type 1 Subbase			
Nominal Sample Size (mm)	31.5			
Nominal Size Source	Visual			
Water Content (%)	3.1			
Remarks	-			

Comments:

Testing was conducted in accordance with BS EN 1097-5:2008

Sample preparation in accordance with BS EN 932-2:1999

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

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TEST REPORT

Determination of Water Content of Aggregates

Report No:	TD25-C-04-A-19	Report Date:	01/07/2025
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Sample Type:	Bulk	Date Sampled*:	11/06/2025
Site:	City 4	Sampled By:	Client
Supplier/Source:	Not Advised / Not Advised	Date Received:	12/06/2025
		Date Tested:	25/06/2025

Lab Reference	25/1253			
Client Reference*	GT/RMOT/1/2			
Sample Location*	Stockpile			
Material Description	Type 1 Subbase			
Nominal Sample Size (mm)	31.5			
Nominal Size Source	Visual			
Water Content (%)	2.8			
Remarks	-			

Comments:

Testing was conducted in accordance with BS EN 1097-5:2008

Sample preparation in accordance with BS EN 932-2:1999

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

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TEST REPORT

Determination of Moisture Content to BS 1377-2:1990

Report No:	TD25-C-04-A-20	Report Date:	01/07/2025
Client:	Civil & Remediation	Date Sampled*:	11/06/2025
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB	Sampled By:	Client
Site:	City 4	Date Received:	12/06/2025
Supplier/Source:	Not Advised / Not Advised	Date Tested:	25/06/2025

Laboratory Reference	Client Reference*	Sample Location*	Material Description	Moisture Content %	Remarks
25/1254	GT/6F2/1/2	Stockpile	6F2	10	-

Certified that the testing was conducted in accordance with BS 1377-2:1990 Clause 3.2 at 105˚C unless stated

Sample preparation in accordance with BS 1377-1:2016

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

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Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

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TEST REPORT

Determination of Moisture Content to BS 1377-2:1990

Report No:	TD25-C-04-A-21	Report Date:	01/07/2025
Client:	Civil & Remediation	Date Sampled*:	11/06/2025
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB	Sampled By:	Client
Site:	City 4	Date Received:	12/06/2025
Supplier/Source:	Client - Site Won	Date Tested:	25/06/2025

Laboratory Reference	Client Reference*	Sample Location*	Material Description	Moisture Content %	Remarks
25/1255	GT/F/1/1	GT/F/1/1	Black Sand with Recycled Aggregate	16	

Certified that the testing was conducted in accordance with BS 1377-2:1990 Clause 3.2 at 105˚C unless stated

Sample preparation in accordance with BS 1377-1:2016

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

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Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

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TEST REPORT

Determination of Moisture Content to BS 1377-2:1990

Report No:	TD25-C-04-A-36	Report Date:	18/07/2025
Client:	Civil & Remediation	Date Sampled*:	02/07/2025
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB	Sampled By:	Client
Site:	City 4, Manchester	Date Received:	16/07/2025
Supplier/Source:	Client / Site Produced	Date Tested:	17/07/2025

Laboratory Reference	Client Reference*	Sample Location*	Material Description	Moisture Content %	Remarks
25/1507	GT/6F2/111	Stockpile	Recycled 6F2	7.4	-

Certified that the testing was conducted in accordance with BS 1377-2:1990 Clause 3.2 at 105˚C unless stated

Sample preparation in accordance with BS 1377-1:2016

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Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signed: [redacted]

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TEST REPORT

Determination of Moisture Content to BS 1377-2:1990

Report No:	TD25-C-04-A-37	Report Date:	18/07/2025
Client:	Civil & Remediation	Date Sampled*:	10/07/2025
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB	Sampled By:	Client
Site:	City 4, Manchester	Date Received:	16/07/2025
Supplier/Source:	Client / Site Produced	Date Tested:	17/07/2025

Laboratory Reference	Client Reference*	Sample Location*	Material Description	Moisture Content %	Remarks
25/1508	GT/6F2/112	Stockpile	Recycled 6F2	9.4	-

Certified that the testing was conducted in accordance with BS 1377-2:1990 Clause 3.2 at 105˚C unless stated

Sample preparation in accordance with BS 1377-1:2016

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

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Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signed: [redacted]

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TEST REPORT

Determination of Moisture Content to BS 1377-2:1990

Report No:	TD25-C-04-A-38	Report Date:	18/07/2025
Client:	Civil & Remediation	Date Sampled:	11/07/2025
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB	Sampled By:	TD
Site:	City 4, Manchester	Date Received:	11/07/2025
Supplier/Source:	Client / Site Produced	Date Tested:	17/07/2025

Laboratory Reference	Client Reference*	Sample Location*	Material Description	Moisture Content %	Remarks
25/1509	AV1 - 11/07/2025	Stockpile	Recycled 6F2	8.5	-

Certified that the testing was conducted in accordance with BS 1377-2:1990 Clause 3.2 at 105˚C unless stated

Sample preparation in accordance with BS 1377-1:2016

Sampled in accordance with IHP C146 Soil Sampling.

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Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signed: [redacted]

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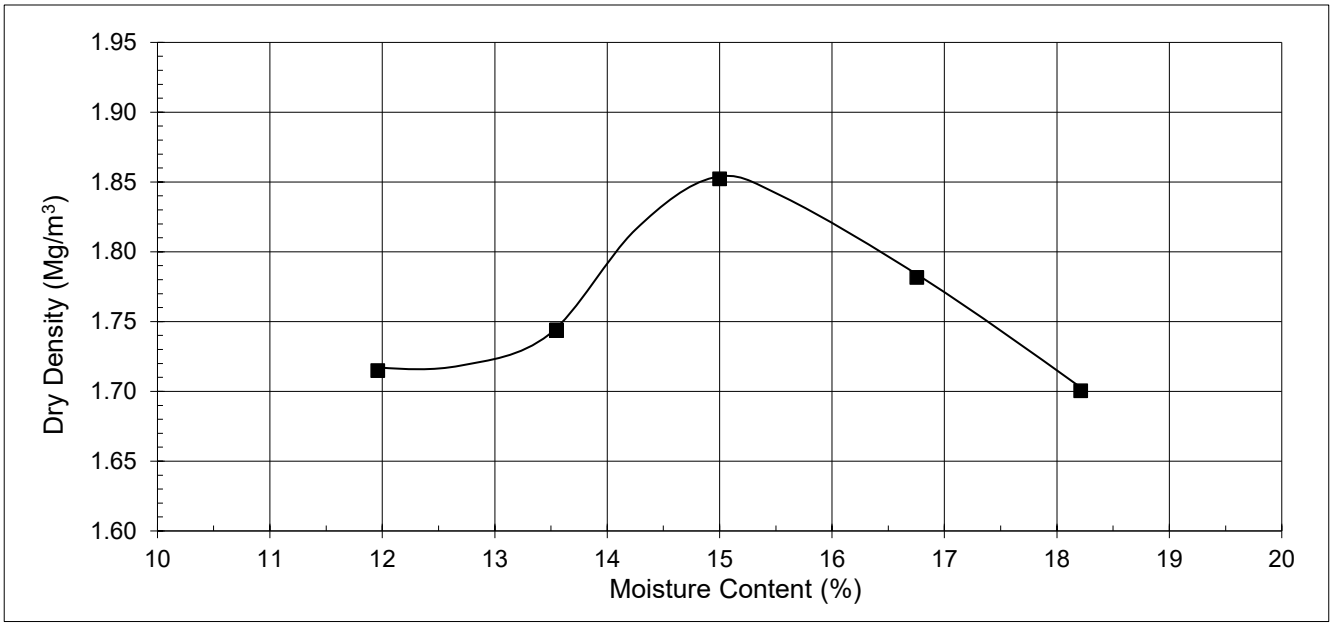
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TEST REPORT

Determination of Moisture Content/Dry Density Relationship

Report No.:	TD25-C-04-A-46	Date Reported:	23/07/25
Client:	Civil & Remediation		
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester	Lab Ref:	25/1507
Location*:	Stockpile	Client Ref:	GT/6F2/111
Type of Sample:	Bulk	Sampled By:	Client
Sample Description:	Recycled 6F2	Date Sampled*:	16/07/2025
Material Source*:	Client / Site Won	Date Received:	16/07/2025
Particle Density Mg/m^3:	N/A	Date Tested:	21/07/2025
Amount Retained on 20mm Sieve:	47%	Specimen Type:	Multiple
Amount Retained on 37.5mm Sieve:	32%	Rammer Type:	Vibrating Hammer
As Received Moisture Content (%):	7.4	Grading Zone:	X
Optimum Moisture Content (%):	**15**	Preparation Procedure:	3.7.5.2
Maximum Dry Density (Mg/m^3):	**1.85**		



Deviations/Comments:

Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.7.

Determination of Particle Density not requested therefore Air Void Lines have not been plotted.

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

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* Information supplied by client.

Sign [redacted]

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Merseyside
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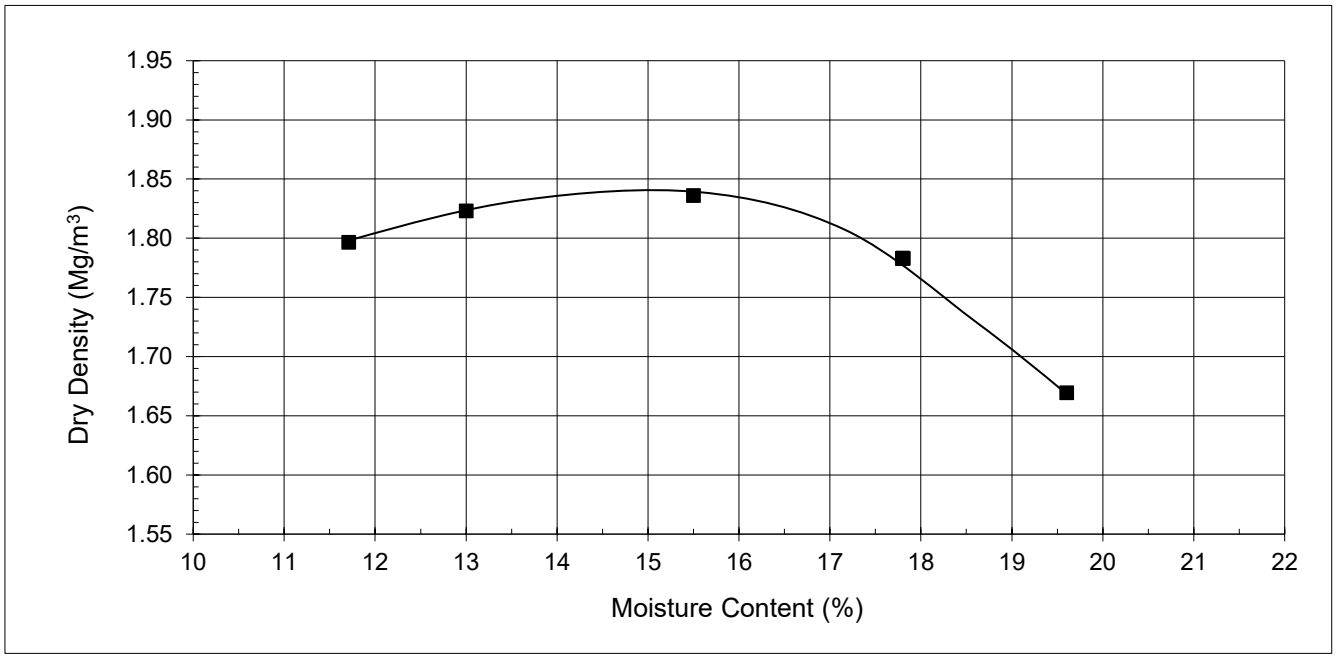
8011

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

TEST REPORT

Determination of Dry Density/Water Content Relationship

Report No.:	TD25-C-04-A-16	Date Reported:	30/06/25
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4	Lab Ref:	25/1255
Location*:	Not Advised	Client Sample Ref*:	GT/F/1/1
Type of Sample:	Bulk	Sampled By:	Client
Sample Description:	Black Sand with Recycled Aggregate & Ash	Date Sampled*:	11/06/2025
Material Source*:	Site Won	Date Received:	12/06/2025
Particle Density Mg/m^3:	N/A	Date Tested:	26/06/2025
Amount Retained on 20mm Sieve:	6%	Specimen Type:	Single
Amount Retained on 37.5mm Sieve:	0%	Rammer Type:	4.5kg
As Received Water Content (%):	18	Grading Zone:	3
Optimum Water Content (%):	**15**	Preparation Procedure:	11.2.4.1
Maximum Dry Density (Mg/m^3):	**1.84**	Sieved On:	20mm



Certified that the test was carried out in accordance with BS 1377-2:2022, Method 11.5

Particle Density not requested therefore Air Void Lines have not been plotted.

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Deviations/Comments:

Sign [redacted]

J. Wright (Lab Section Manager)

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Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

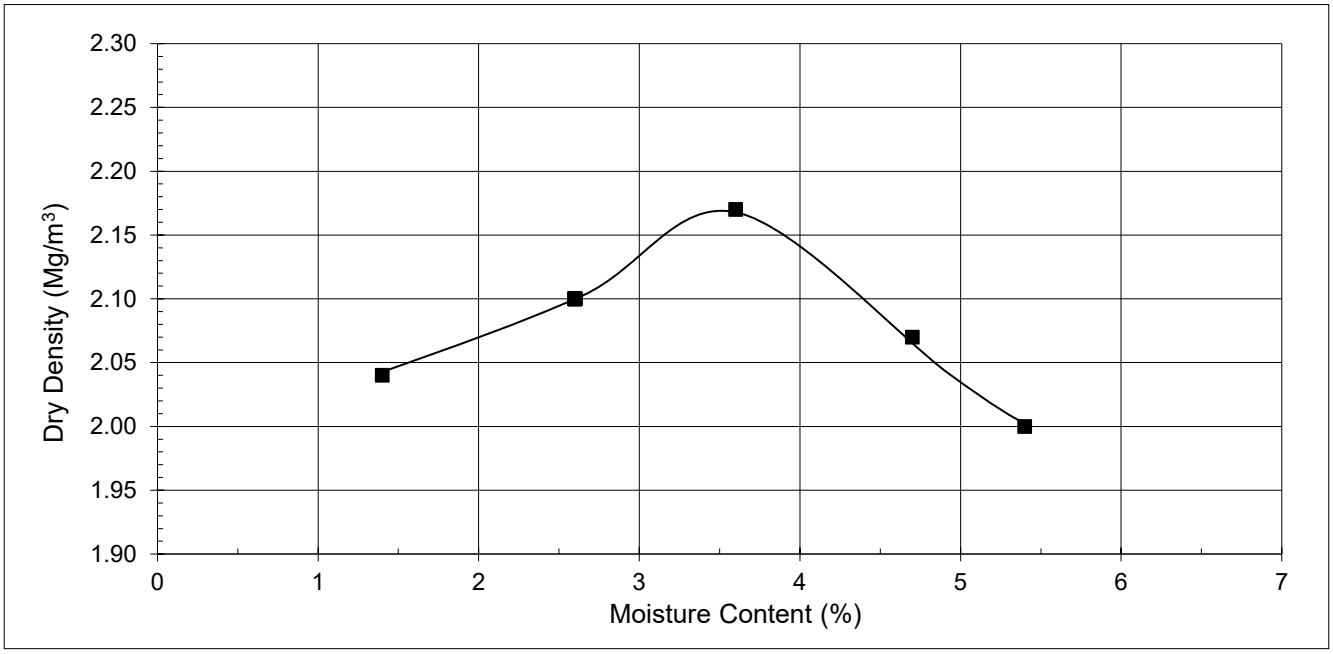
T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

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TEST REPORT

Determination of Reference Density & Water Content

Report No.:	TD25-C-04-A-22	Date Reported:	02/07/2025
Client:	Civil & Remediation		
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4		
Location*:	Stockpile		
Sample Description:	Type 1 Subbase		
Supplier/Source*:	Not Advised / Not Advised		
Client Ref*:	GT/MOT/1/1	Lab Ref:	25/1252
Particle Density Mg/m^3:	N/A	Sampled By:	Client
Amount retained on 40mm sieve (%):	0	Date Sampled*:	11/06/2025
Optimum Moisture Content (%):	**3.5**	Date Received:	12/06/2025
Maximum Dry Density (Mg/m^3):	**2.17**	Date Tested:	30/06/2025



Deviations/Comments:

Certified that the test was carried out in accordance with BS EN 13286-4:2003.

Determination of Particle Density not requested therefore Air Void Lines have not been plotted

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

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Results relate only to the sample tested.

* Information supplied by client.

Sign [redacted]

J. Wright (Lab Section Manager)

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Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

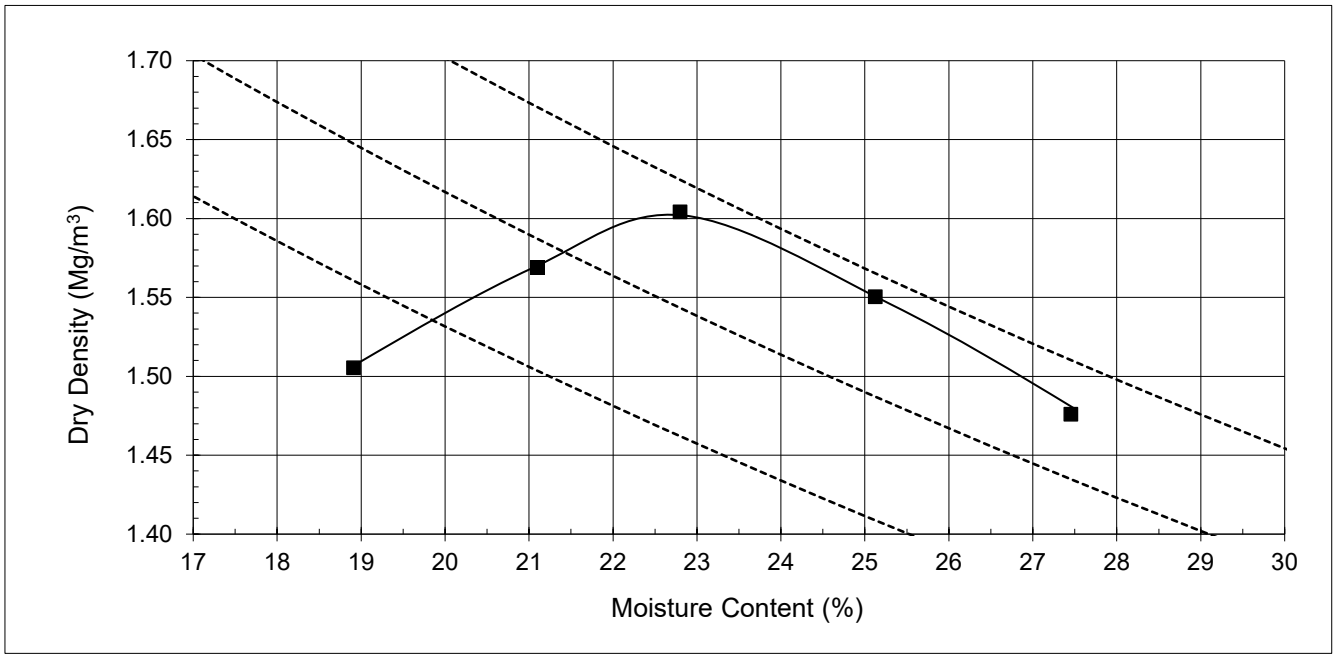
T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

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TEST REPORT

Determination of Dry Density/Moisture Content Relationship

Report No.:	TD25-C-04-A-23	Date Reported:	03/07/25
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4	Lab Ref:	25/1408
Location*:	Stockpile	Client Sample Ref*:	DH-26/06-01
Type of Sample:	Bulk	Sampled By:	TD
Sample Description:	Brown Stony Clay	Date Sampled:	26/06/2025
Material Source*:	Client / Site Won	Date Received:	26/06/2025
Particle Density Mg/m^3:	2.58	Date Tested:	02/07/2025
Amount Retained on 20mm Sieve:	9%	Specimen Type:	Multiple
Amount Retained on 37.5mm Sieve:	4%	Rammer Type:	2.5kg
As Received Moisture Content (%):	21	Grading Zone:	4
Optimum Moisture Content (%):	**23**	Preparation Procedure:	3.2.7.2
Maximum Dry Density (Mg/m^3):	**1.60**	Sieved On:	37.5mm



Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.4

Air Void Lines plotted at 0%, 5% and 10% Values.

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Deviations/Comments:

Sign [redacted]

J. Wright (Lab Section Manager)

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WA10 2SD

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E: enquiries@tdconstructiontesting.co.uk

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TEST REPORT

Determination of Particle Density to BS1377-2:1990
Gas Jar Method

Report No:	TD25-C-04-A-25	**Report Date:**	09/07/2025
Client:	Civil & Remediation		
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4	**Lab Ref:**	25/1408
Type of sample:	Bulk	**Client Ref*:**	DH-26/06-01
Sample Location*:	Not Advised		
Sample Description:	Brown Stony Clay		
Supplier/Source*:	Client / Site Won		
Orientation:	N/A		
Date Sampled:	26/06/2025		
Sampled By:	TD		
Date Received:	26/06/2025		
Date of Test:	02/07/2025		

Average Particle Density = 2.58 Mg/m³

Sample Prepared in accordance with BS1377-1:2016 Cl 8.3, 8.4.4

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signed: [redacted]	J. Wright (Lab Section Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

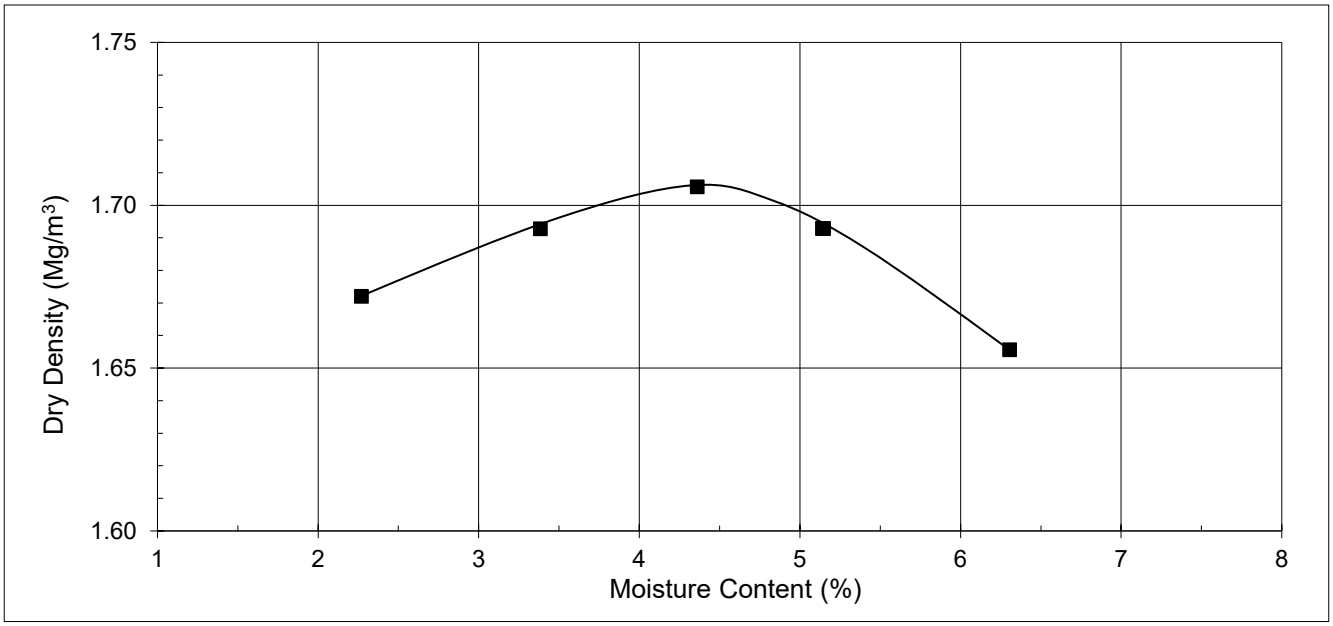
T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Determination of Moisture Content/Dry Density Relationship

Report No.:	TD25-C-04-A-29	Date Reported:	16/07/25
Client:	Civil & Remediation		
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4	Lab Ref:	25/1254
Location*:	Stockpile	Client Ref:	GT/6F2/1/2
Type of Sample:	Bulk	Sampled By:	Client
Sample Description:	Recycled 6F2	Date Sampled*:	11/06/2025
Material Source*:	Site Won	Date Received:	12/06/2025
Particle Density Mg/m^3:	N/A	Date Tested:	10/07/2025
Amount Retained on 20mm Sieve:	63%	Specimen Type:	Multiple
Amount Retained on 37.5mm Sieve:	25%	Rammer Type:	Vibrating Hammer
As Received Moisture Content (%):	10.0	Grading Zone:	X
Optimum Moisture Content (%):	**4.5**	Preparation Procedure:	3.7.5.2
Maximum Dry Density (Mg/m^3):	**1.71**		



Deviations/Comments:

Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.7.

Determination of Particle Density not requested therefore Air Void Lines have not been plotted.

Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Sig [redacted]

J. Wright (Lab Section Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

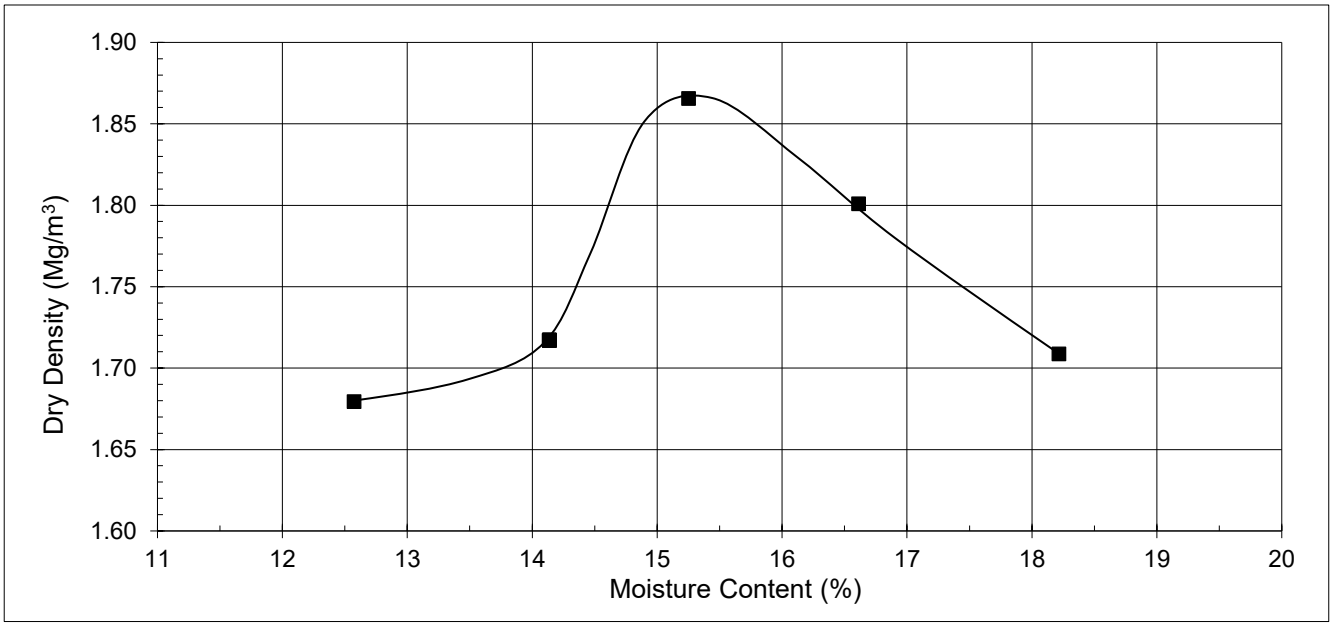
T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Determination of Moisture Content/Dry Density Relationship

Report No.:	TD25-C-04-A-45	Date Reported:	23/07/25
Client:	Civil & Remediation		
Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester	Lab Ref:	25/1509
Location*:	Stockpile	Client Ref:	AV1/11-07-25
Type of Sample:	Bulk	Sampled By:	TD
Sample Description:	Recycled 6F2	Date Sampled:	11/07/2025
Material Source*:	Client / Site Won	Date Received:	11/07/2025
Particle Density Mg/m^3:	N/A	Date Tested:	21/07/2025
Amount Retained on 20mm Sieve:	43%	Specimen Type:	Multiple
Amount Retained on 37.5mm Sieve:	30%	Rammer Type:	Vibrating Hammer
As Received Moisture Content (%):	8.5	Grading Zone:	X
Optimum Moisture Content (%):	**15**	Preparation Procedure:	3.7.5.2
Maximum Dry Density (Mg/m^3):	**1.87**		



Deviations/Comments:

Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.7.

Determination of Particle Density not requested therefore Air Void Lines have not been plotted.

Sampled in accordance with IHP C146.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Signe [redacted]

J. Wright (Lab Section Manager)

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN



City Works 4

Weekly Environmental Report, No. 11

Civil and Remediation Ltd.

C332/WER/001/11

August 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	12/08/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 11

Report Reference: C332/WER/001/11

Revision Number: 001

Issue Date: 12th August 2025

Author: Tom Magee BSc (Hons) FGS MCIWEM (Geoenvironmental Manager, C&R: Environmental Ltd.)

Checked By: Aron Rowley (Project Engineer, C&R Ltd.)

Approved By: Jack Rowley FCICES MIVM (Managing Director, C&R Ltd)

Client: Network Space,
Centrix House,
26 Crow Lane East,
Newton-le-Willows,
WA12 9UY

Principal Contractor: Bansco,
Pure House,
Bridge Street,
Horwich,
Bolton,
BL6 7BT

Remediation Contractor: Civil and Remediation Ltd.,
Grosvenor House
3 Chapel Street
Congleton
Cheshire
CW12 4AB

Contents

Contents ii
1.0 Week 11 Scope of Works Undertaken 1
2.0 Week 12 Forecast Works Anticipated 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 3
5.0 Remediation, Earthworks and Geotechnics 3
5.1 Site Works 3
5.2 Geotechnical Design (Instructed Late May 2025 to C&R) 4
5.3 Geotechnical Results 4
6.0 Any Other Business 4
6.1 Site Visits, Attendances & Outcomes 4
6.2 Complaints and Resolution Actions Completed 4
6.3 Health, Safety and Welfare 4
6.4 Long Lead In/ Early Warning Record 5
6.5 Other Technical Items of Note 5
6.6 Any Other Business 5
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD

1.0 Week 11 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 04/08/25 to 08/08/25 (Week 11) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Dust suppression to manage dust liberation on site;
- Reengineering of the car park area with imported naturally occurring fills due to volume of soil material lost from Instructed Additional Works to date;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C/ 2C general fill materials for reengineering works;
- Completion of the drainage works along the eastern boundary with associated removal of the fencing back to where it is safe to reside and road sweeping to clean the adjacent car parking and road area;
- Contination of drainage works on site including SWMH022 – 023 out of sequence due to no confirmed design on the foul run;
- Preparation of the first attenuation tank area in the north eastern corner of the site in accordance with the Stantec approved SDS design;
- Remediation of the Unit 2 area out of sequence due to the fill requirement in the car park;
- Continuation of crushing U1 oversized hardstanding to a 6F2 & MOT aggregate; and,
- Remediation of the Unit 2 area including breaking and removal of slabs & relict foundations to stock.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 12 Forecast Works Anticipated

The anticipated works in Week 12 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;
- Continuation of reengineering clean, naturally occurring imported fills in the car park area due to imposed shortfall from agreed and Instructed Additional Works to date;
- Continuation of the drainage works in the site area out of sequence due to unfixed foul design;
- Continuation of crushing works to process Class U1 oversized hardstanding to a recycled 6F2 product for reuse on site;
- Placement of MOT across the completed Units 3 areas;
- Additional works cabin relocation to the north eastern car park area; and,
- Continued remediation of the Units 1 & 2 area out of sequence.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	72.6	82.3	N	No exceedances.
NM2	North east	73.1	81.9	N	No exceedances.
NM3	South east	74.3	83.3	N	No exceedances.
NM4	West	60.9	68.9	N	No exceedances.

No exceedances were recorded during Week 11.

3.2 Vibration Monitoring

A summary of the measured vibration levels at the relevant monitoring locations over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0					
Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB6	Centre	1.5	0.772	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

Results from the latest monitoring period will be provided when obtained from the laboratory.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01 respectively).

4.1 Contaminated Soils & Materials

No contaminated soils have been encountered during Week 11.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 11, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now substantially complete (including Units 3 & 4), awaiting finalised MOT to the Unit 3 area and imported clean, naturally occurring soil materials or out of sequence working to borrow fill to make up the earthworks levels in the car park area.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works have now progressed to Unit 2 with the removal of relict slabs and foundations along the southern boundary, out of sequence to generate fill for the car park area due to volume loss of general fill materials from Instructed Additional Works to date.

Drainage has been completed along the eastern boundary of the site and drainage works are now progressing out of sequence with the surface water drainage within the site due to the foul design being unfixed to date.

See C332/WRD/011 in Appendix B for a full display of works complete up to 08/08/25.

5.2 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

BWB are now establishing their works and order directly with Network Space, which may be the reason for the slight delay in their document issue.

C&R agreed to issue a Technical Note around our revised approach to capture earthworks efficiencies, for BWB to consider within their earthworks specifications. See Technical Note C332.TN.EW.001 for reference.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

5.3 Geotechnical Results

All geotechnical testing results to date have been issued.

Plate testing is scheduled for Week 12 on top of the final MOT layer in Unit 4 to confirm loadings have been achieved for the ground bearing slab.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Platt & David Baines from Bansco has been on site overseeing the works Monday to Friday during Week 11.

6.2 Complaints and Resolution Actions Completed

No complaints were received during week 11.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 11.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 08/07/25.

6.4 Long Lead In/ Early Warning Record

C&R understand that the drainage design is currently under review and we are in receipt of the revised design (C06) issued 08/08/25. We warmly welcome the revised design, change schedule and materials schedule promptly to facilitate the re-assessment, remeasure and re-procurement to expedite the drainage works.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

6.5 Other Technical Items of Note

No other technical items of note are recorded during Week 11.

6.6 Any Other Business

Note site cleaner employed as Instructed for and on behalf of Bansco team.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 11
04/08/25 - 08/08/25





SWMH022 to SWMH023 ongoing due to no confirmed design on foul run (Out of Sequence)



Placement of quarried MOT to Unit 4 area to finish level for foundations scope, awaiting foundations drgs



Dust Suppression to site ongoing



Remediation Unit 2 Base of Dig out of sequence due to need to import fills to car park



Final Trim and beedding stone for Attenuation Tank install set for Monday 11.08.2025 Unit 4 North



Continued Unforseen General fill import to car park (delay to the works and Additional 1,800m3 required)



East Boundary drainage diversion works completed. Road sweeper clean car park ready to open up again pm 08.08.2025



Site at 1pm 08.08.2025 note out of sequence moved to unit 2 due to carpark import due to reduced fill availability and reduced drsinage arisings

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Drawing Number C332/WRD/011

Rev A

Note area complete to design levels in anticipation of 3rd temporary cabin setup.

Attenuation tank area prepared, to be installed during Week 12.



Note Additional welfare cabin mobilised and stacked as Instructed due to number of operatives on site (remediation, drainage, crushing teams).

Note long chain hydrocarbon impacted materials captured from below C&Rs vertical boundary of 2m as Additional Works for disposal off site.

Drainage Out of Sequence works completed whilst revising 0500 C06 issued 08/08/25

Connection to existing foul complete and backfilled.
SWMH23, SWMH46, SWMH47, MH5 installation, pipework and reinstatement complete. Excavation & pipework to SWMH42 complete.

C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Oversized hardcore stockpiled & being processed to a recycled 6F2 & MOT (asphalt and concrete only in accordance with Clause 803 of *MCHW* Series 800 for MOT).
- Additional works compound area 2 established including perimeter fencing.
- Unit area completed in accordance with the *MCHW* Series 600 with 6F2 layer and MOT layer.
- Unit area completed in accordance with the *MCHW* Series 600 with 6F2 layer.
- Remediation works complete. Reengineering works ongoing imported fill due to Additional Works voids. Volume to be confirmed. (Out of Sequence)
- Surface broken out & removed ready for further remediation works. Out of Sequence due to volume issues & C06 0500.

Note assessments ongoing by BWB to mitigate Landpac, cement stabilisation and ground gas CS2 requirements following bulk assessment of ground condtions.

Read in conjunction with Weekly Environmental Report No. 11 (C332/WER/001/11) for full breakdown of works during week 11 (Section 1.0).

Rev	Date	Description
A	12/08/25	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 11

Project Code	C332	Scale	1: 600 (approx.)
		Date Drawn	12/08/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/WRD/011

Rev A

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R civil-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Wet 16°C 1009mb	Dry 19°C 1010mb	Dry 18°C 1015mb
Wind • Speed? • Direction?	S 11mph	W 22mph	W 13mph
Noise Readings	N1: 66.6 74.5 N2: N3: 71.4 75.5 N4: 68.6 72.8 N5: 62.4 67.3 N6: N7:	N1: 76.4 81.7 N2: 75.4 79.3 N3: 77.7 83.3 N4: 61.2 65.9 N5: N6: N7:	N1: 71.2 75.9 N2: 70.3 74.8 N3: 75.8 79.7 N4: 59.7 63.0 N5: N6: N7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	NDP →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence → Dust		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]		
Day & Date	Mon 04/08	**Checked by Site / Manager**			

C&R cwl-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Wet 13°C 1019mb	Dry 14°C 1022mb	Dry 17°C 1024mb
Wind • Speed? • Direction?	W 16mph	W 20mph	W 10mph
Noise Readings	N1: 76.5 80.2 N2: 77.9 81.2 N3: N4: 75.7 79.4 N5: 61.0 65.3 N6: N7:	N1: 77.2 82.3 N2: 74.1 79.2 N3: N4: 75.1 79.9 N5: 63.6 67.4 N6: N7:	N1: 76.4 82.1 N2: 69.1 75.0 N3: N4: 71.9 75.1 N5: N6: 63.6 68.9 N7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	05/08	**Checked by Site / Manager**	

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 12C 1024mb	Dry 20C 1022mb	Dry 19C 1021mb
Wind • Speed? • Direction?	SSW 9mph	WSW 8mph	WSW 8mph
Noise Readings	N_1: 70.6 75.9 N_2: 71.2 75.4 N_3: 77.6 82.8 N_4: 58.5 62.8 N_5: N_6: N_7:	N_1: 71.8 76.3 N_2: N_3: 71.2 76.6 N_4: 75.6 79.1 N_5: N_6: 59.1 65.1 N_7:	N_1: 70.5 74.2 N_2: 75.1 79.5 N_3: 77.6 80.9 N_4: N_5: N_6: 59.6 65.1 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP DTM	DP	DP
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	JTM	Signature	[redacted]	
Day & Date	06/08	Checked by Site / Manager		

C&R civil-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 15°C 1011mb	Dry 21°C 1011mb	Dry 20°C 1012mb
Wind • Speed? • Direction?	SSW 9mph	WNW 12mph	W 6mph
Noise Readings	N1: 75.6 79.5 N2: 76.1 81.9 N3: 77.6 81.4 N4: 59.8 65.0 N5: N6: N7:	N1: 69.3 73.1 N2: 68.8 72.8 N3: 75.3 80.9 N4: 59.7 64.9 N5: N6: N7:	N1: 70.7 75.5 N2: 72.0 75.5 N3: 69.4 73.5 N4: 62.7 67.4 N5: N6: N7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP →		
Monitoring • Any sampling/monitoring undertaken?	NDV →		
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence →		
	Dust		
PID Readings • Working Areas • Site Boundary • Receptors	NA →		

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	JM	**Signature**	[redacted]
Day & Date	Thurs 7/8	**Checked by Site / Manager**	

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 13°C 1017mb	Dry 21°C 1018mb	Dry 20°C 1018mb
Wind • Speed? • Direction?	WSW 12mph	W 15mph	WSW 10mph
Noise Readings	N_1: 69.5 74.7 N_2: N_3: 78.3 81.8 N_4: 69.8 73.0 N_5: N_6: 61.8 65.3 N_7:	N_1: 68.0 71.4 N_2: N_3: 75.1 78.3 N_4: 78.1 82.0 N_5: N_6: 61.3 65.1 N_7:	N_1: 77.3 81.4 N_2: N_3: 68.1 71.2 N_4: 68.3 73.2 N_5: N_6: 59.7 64.1 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DP DB →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Fri 8/6	Checked by Site / Manager		

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE. BY DESIGN



City Works 4

Weekly Environmental Report, No. 12

Civil and Remediation Ltd.

C332/WER/001/12

August 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	18/08/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 12

Report Reference: C332/WER/001/12

Revision Number: 001

Issue Date: 18th August 2025

Author: Tom Magee BSc (Hons) FGS MCIWEM (Geoenvironmental Manager, C&R: Environmental Ltd.)

Checked By: Aron Rowley (Project Engineer, C&R Ltd.)

Approved By: Jack Rowley FCICES MIVM (Managing Director, C&R Ltd)

Client: Network Space,
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26 Crow Lane East,
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WA12 9UY

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Pure House,
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Horwich,
Bolton,
BL6 7BT

Remediation Contractor: Civil and Remediation Ltd.,
Grosvenor House
3 Chapel Street
Congleton
Cheshire
CW12 4AB

Contents

Contents ii
1.0 Week 12 Scope of Works Undertaken 1
2.0 Week 13 Forecast Works Anticipated 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 3
5.0 Remediation, Earthworks and Geotechnics 3
5.1 Site Works 3
5.2 Geotechnical Design (Instructed Late May 2025 to C&R) 4
5.3 Geotechnical Results 4
6.0 Any Other Business 4
6.1 Site Visits, Attendances & Outcomes 4
6.2 Complaints and Resolution Actions Completed 4
6.3 Health, Safety and Welfare 4
6.4 Long Lead In/ Early Warning Record 5
6.5 Other Technical Items of Note 5
6.6 Any Other Business 5
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD
APPENDIX D – CHEMICAL RESULTS
APPENDIX E – GEOTECHNICAL RESULTS

1.0 Week 12 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 11/08/25 to 15/08/25 (Week 12) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Dust suppression to manage dust liberation on site;
- Reengineering of the car park area with imported naturally occurring fills due to volume of soil material lost from Instructed Additional Works to date;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C/ 2C general fill materials for reengineering works;
- Continuation of drainage around the Unit 4 area out of sequence awaiting fixed design (issued 14/08/25, C&R progressing reconciliation of changes);
- Completion of dock leveller excavation and earthworks;
- Installation of the first attenuation tank in the north eastern corner of the site, including construction, welding and backfilling, in accordance with the Stantec approved SDS design;
- Remediation of the Unit 2 area out of sequence due to the fill requirement in the car park; and,
- Continuation of crushing U1 oversized hardstanding to a 6F2 & MOT aggregate.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 13 Forecast Works Anticipated

The anticipated works in Week 13 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;

- Continuation of reengineering clean, naturally occurring imported fills in the car park area due to imposed shortfall from agreed and Instructed Additional Works to date;
- Continuation of the drainage works in the site area out of sequence due to unfixed foul design;
- Continuation of crushing works to process Class U1 oversized hardstanding to a recycled 6F2 product for reuse on site;
- Additional works cabin relocation to the north eastern car park area; and,
- Continued remediation of the Units 1 & 2 area out of sequence.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	72.9	81.9	N	No exceedances.
NM2	North east	72.9	82.8	N	No exceedances.
NM3	South east	72.0	80.5	N	No exceedances.
NM4	West	61.3	68.7	N	No exceedances.

No exceedances were recorded during Week 12.

3.2 Vibration Monitoring

A summary of the measured vibration levels at the relevant monitoring locations over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0					
Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB6	Centre	1.5	0.323	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

Results from the latest monitoring period will be provided when obtained from the laboratory.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01 respectively).

4.1 Contaminated Soils & Materials

No contaminated soils have been encountered during Week 12.

Results are presented in Appendix D for Hotspot 2, 3 & 4, and an additional sample of general fill material.

All results have passed against the screening criteria in the Remediation Strategy.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 12, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now substantially complete (including Units 3 & 4), awaiting finalised MOT to the Unit 3 area and imported clean, naturally occurring soil materials or out of sequence working to borrow fill to make up the earthworks levels in the car park area.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works have now progressed to Unit 2 & Unit 1 areas with the removal of relict slabs and foundations along the southern boundary & reengineering works to bring the area back up to level. These works have been completed out of sequence to generate fill for the car park area due to volume loss of general fill materials from Instructed Additional Works to date.

Drainage works are progressing out of sequence around Unit 4 due to recent design change (C08).

See C332/WRD/012 in Appendix B for a full display of works complete up to 15/08/25.

5.2 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

BWB are now establishing their works and order directly with Network Space, which may be the reason for the slight delay in their document issue.

C&R agreed to issue a Technical Note around our revised approach to capture earthworks efficiencies, for BWB to consider within their earthworks specifications. See Technical Note C332.TN.EW.001 for reference.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

5.3 Geotechnical Results

Plate testing results for the final MOT layer on Unit 4 have been presented in Appendix E below. All tests are in excess of the required loading and settlement criteria for the slab.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Baines from Bansco has been on site overseeing the works Monday to Friday during Week 12.

6.2 Complaints and Resolution Actions Completed

No complaints were received during week 12.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 12.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 08/07/25.

6.4 Long Lead In/ Early Warning Record

We are in receipt of the latest drainage design (C08) issued Friday 15/08/25, which we are currently in the process of reviewing.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

6.5 Other Technical Items of Note

No other technical items of note are recorded during Week 12.

6.6 Any Other Business

Note site cleaner employed as Instructed for and on behalf of Bansco team.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 12
11/08/25 - 15/08/25



Unit 2 remediation early / out of sequence due to need to import for carpark area fills due to borrow for unit 4 and 3 see Narrative issued last week



Atenuation tank 1 install, weld and backfill



Drainage programme amended due to issue revised designs C06 revised foul line and need to clear unit 4 area to enable foundations installation



Unit 4 Finished MoT plate testing all day (8 tests) less than 2mm settlement (tol is 25m) and over 180kn (target 58kn)



Drainage on unit 4 foul mh 04 north



Remediated unit 2 south first layer of backfill compaction CBR 8 to 12



Processing concrete to MoT on unit 3 (as car park not available due to import needed) on going dust suppression in place



Dock leveller dig complete. Ready for stone



Drone photo of site as at 10am 15.08.2025

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Drawing Number C332/WRD/012

Rev A

Note area complete to design levels in anticipation of 3rd temporary cabin setup.

Attenuation tank 3 installed during Week 12.



Note Additional welfare cabin mobilised and stacked as Instructed due to number of operatives on site (remediation, drainage, crushing teams).

Remediation commenced in this area during Week 12.

Connection to existing foul complete and backfilled.
SWMH23, SWMH46, SWMH47, MH5 installation, pipework and reinstatement complete. Excavation & pipework to SWMH42 complete.

C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- Oversized hardcore stockpiled & being processed to a recycled 6F2 & MOT (asphalt and concrete only in accordance with Clause 803 of *MCHW* Series 800 for MOT).
- Additional works compound area 2 established including perimeter fencing.
- Unit area completed in accordance with the *MCHW* Series 600 with 6F2 layer and MOT layer.
- Unit area completed in accordance with the *MCHW* Series 600 with 6F2 layer.
- Remediation works complete. Reengineering works ongoing imported fill due to Additional Works voids. Volume to be confirmed. (Out of Sequence)
- Surface broken out & removed ready for further remediation works. Out of Sequence due to volume issues & C06 0500.

Note assessments ongoing by BWB to mitigate Landpac, cement stabilisation and ground gas CS2 requirements following bulk assessment of ground condtions.

Read in conjunction with Weekly Environmental Report No. 12 (C332/WER/001/12) for full breakdown of works during week 12 (Section 1.0).

Rev	Date	Description
A	18/08/25	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 12

Project Code	C332	Scale	1: 600 (approx.)
		Date Drawn	18/08/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/WRD/012 Rev A

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R owl-remediation.com	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 15°C 1024mb	Dry 26°C 1021mb	Dry 26°C 1019mb
Wind • Speed? • Direction?	S 3mph	N 3 mph	E 3mph
Noise Readings	N_1: 66.7 72.4 N_2: N_3: 73.2 76.6 N_4: N_5: 69.3 74.0 N_6: 59.7 63.7 N_7:	N_1: 71.4 74.9 N_2: N_3: 70.1 75.9 N_4: 68.8 73.0 N_5: N_6: 61.7 67.6 N_7:	N_1: 73.7 77.1 N_2: N_3: 68.3 71.4 N_4: 68.1 72.4 N_5: N_6: 58.6 62.2 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc → Dust	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Mon 11/06	Checked by Site / Manager	→	

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 18°C 1016mb	Dry 28°C 1015mb	Dry 27°C 1013mb
Wind • Speed? • Direction?	N 3mph	N 5mph	ENE 5mph
Noise Readings	N_1: 71.3 76.4 N_2: 68.3 74.0 N_3: N_4: 72.9 76.8 N_5: N_6: 63.5 68.8 N_7:	N_1: 72.9 76.8 N_2: 74.7 79.1 N_3: N_4: 68.9 73.9 N_5: N_6: 63.7 68.7 N_7:	N_1: 75.7 79.5 N_2: 70.6 74.5 N_3: N_4: 74.5 79.2 N_5: N_6: 63.7 67.2 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB →		→
Monitoring • Any sampling/monitoring undertaken?	NDU →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Tues 12/08	Checked by Site / Manager		

C&R cwa-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 17°C 1013mb	Dry 31°C 1012mb	Dry 27°C 1013mb
Wind • Speed? • Direction?	N 4mph	N 5mph	WNW 8mph
Noise Readings	N_1: 68.0 73.9 N_2: 74.8 79.6 N_3: 72.8 78.8 N_4: 61.0 67.0 N_5: N_6: N_7:	N_1: 74.1 77.4 N_2: 77.5 82.8 N_3: 74.8 78.6 N_4: 59.3 63.1 N_5: N_6: N_7:	N_1: 74.0 79.4 N_2: 72.5 77.5 N_3: 73.2 79.0 N_4: 61.0 66.3 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	PB →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDU →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	Wed 13/08	**Checked by Site / Manager**	

C&R civil-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 17°C 1016 mb	Dry 24°C 1018 mb	Dry 22°C 1021 mb
Wind • Speed? • Direction?	SSW 6mph	SW 7mph	WNW 7mph
Noise Readings	N_1: 73.2 77.4 N_2: N_3: 69.2 74.4 N_4: 64.3 75.2 N_5: N_6: 60.2 64.6 N_7:	N_1: 76.4 81.4 N_2: N_3: 75.6 78.9 N_4: 70.8 74.7 N_5: N_6: 63.1 68.7 N_7:	N_1: 74.2 77.9 N_2: N_3: 71.1 75.5 N_4: 75.3 78.7 N_5: N_6: 61.4 65.5 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc → Dust		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	Thurs 14/08	**Checked by Site / Manager**	

C&R civil remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 10° 1026mb	Dry 25°C 1027 mb	Dry 22°C 1028 mb
Wind • Speed? • Direction?	W 4mph	NW 10mph	WNW 5mph
Noise Readings	N_1: 72.7 78.6 N_2: N_3: 74.0 79.2 N_4: 71.4 76.7 N_5: N_6: 62.1 65.7 N_7:	N_1: 70.9 75.4 N_2: N_3: 77.3 80.7 N_4: 75.5 79.0 N_5: N_6: 60.3 65.8 N_7:	N_1: 76.0 81.9 N_2: N_3: 76.2 81.6 N_4: 74.8 80.5 N_5: N_6: 59.8 64.0 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DO →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	Fri 15/08	**Checked by Site / Manager**	

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE. BY DESIGN

APPENDIX D – CHEMICAL RESULTS

envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/07885
Issue Number: 1 **Date:** 30 July, 2025

Client:
Civils and Remediation Ltd
Grosvenor House
3 Chapel Street
Congleton
Cheshire
UK
CW12 4AB

Project Manager: Tom Magee
Project Name: City Works 4
Project Ref: C332
Order No: C332-SCO-006
Date Samples Received: 16/07/25
Date Instructions Received: 21/07/25
Date Analysis Completed: 30/07/25

Approved by:

[redacted]

Gemma Berrisford
Deputy Client Services Supervisor

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/1	25/07885/2	25/07885/3	25/07885/4	25/07885/5	25/07885/6	25/07885/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS2/N/1/1	CL/HS2/S/1/1	CL/HS2/E/1/1	CL/HS2/W/1/1	CL/HS2/B/1/1	CL/HS3/N/1/1	CL/HS3/S/1/1			
Depth to Top	2.40	2.40	2.40	2.40	2.40	3.40	3.40			
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	5A	5A	5A	5A	5A	5A	5A			
% Stones >10mm$_A$	<0.1	<0.1	1.8	<0.1	<0.1	<0.1	1.2	% w/w	0.1	A-T-044

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/1	25/07885/2	25/07885/3	25/07885/4	25/07885/5	25/07885/6	25/07885/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS2/N/1/1	CL/HS2/S/1/1	CL/HS2/E/1/1	CL/HS2/W/1/1	CL/HS2/B/1/1	CL/HS3/N/1/1	CL/HS3/S/1/1			
Depth to Top	2.40	2.40	2.40	2.40	2.40	3.40	3.40			
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25	11-Jul-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	5A	5A	5A	5A	5A	5A	5A			
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C16-C21$_A$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C21-C35$_A$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Total Aliphatics$_A$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	Calc-As Recd
Aro >C5-C7$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C16-C21$_A$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C21-C35$_A$$^{M\#}$	<1	<1	1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Total Aromatics$_A$	<1	<1	1	<1	<1	<1	<1	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	<1	<1	1	<1	<1	<1	<1	mg/kg	1	Calc-As Recd
BTEX - Benzene$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A$$^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/8	25/07885/9	25/07885/10	25/07885/11				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS3/E/1/1	CL/HS3/W/1/1	CL/HS3/B/1/1	CL/F/1/5						
Depth to Top	3.40	3.40	3.80	1.90						
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	15-Jul-25						
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES						
Sample Matrix Code	5A	5A	5A	5A						
% Stones >10mm$_A$	<0.1	<0.1	<0.1	<0.1				% w/w	0.1	A-T-044
Cyanide (free)$_A^{M\#}$	-	-	-	<1				mg/kg	1	A-T-042sFCN
Phenols - Total by HPLC$_A$	-	-	-	<0.2				mg/kg	0.2	A-T-050s
Arsenic$_D^{M\#}$	-	-	-	6				mg/kg	1	A-T-024s
Barium$_D^{\#}$	-	-	-	147				mg/kg	3	A-T-024s
Beryllium$_D$	-	-	-	0.9				mg/kg	0.5	A-T-024s
Boron (water soluble)$_D^{M\#}$	-	-	-	<1.0				mg/kg	1	A-T-027s
Cadmium$_D$	-	-	-	<1.0				mg/kg	1	A-T-024s
Copper$_D^{M\#}$	-	-	-	24				mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	-	-	-	19				mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	-	-	-	<1				mg/kg	1	A-T-040s
Chromium (trivalent)	-	-	-	19				mg/kg	1	Calc
Lead$_D^{M\#}$	-	-	-	15				mg/kg	1	A-T-024s
Mercury$_D$	-	-	-	<0.17				mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	-	-	-	31				mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	-	-	-	2				mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	-	-	-	20				mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	-	-	-	57				mg/kg	1	A-T-024s

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/8	25/07885/9	25/07885/10	25/07885/11				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS3/E/1/1	CL/HS3/W/1/1	CL/HS3/B/1/1	CL/F/1/5						
Depth to Top	3.40	3.40	3.80	1.90						
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	15-Jul-25						
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES						
Sample Matrix Code	5A	5A	5A	5A						
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	-	-	-	NAD						A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-	-						A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-	-						A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	-	-	-	N/A						A-T-045

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/8	25/07885/9	25/07885/10	25/07885/11				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS3/E/1/1	CL/HS3/W/1/1	CL/HS3/B/1/1	CL/F/1/5						
Depth to Top	3.40	3.40	3.80	1.90						
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	15-Jul-25						
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES						
Sample Matrix Code	5A	5A	5A	5A						
PAH-16MS										
Acenaphthene$_A^{M\#}$	-	-	-	<0.01				mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	-	-	-	<0.01				mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	-	-	-	<0.02				mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	-	-	-	<0.04				mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	-	-	-	<0.04				mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	-	-	-	<0.05				mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	-	-	-	<0.05				mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	-	-	-	<0.07				mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	-	-	-	<0.06				mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	-	-	-	<0.04				mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	-	-	-	<0.08				mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	-	-	-	<0.01				mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	-	-	-	<0.03				mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	-	-	-	<0.03				mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	-	-	-	<0.03^U				mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	-	-	-	<0.07				mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	-	-	-	<0.08				mg/kg	0.01	A-T-019s

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/8	25/07885/9	25/07885/10	25/07885/11				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS3/E/1/1	CL/HS3/W/1/1	CL/HS3/B/1/1	CL/F/1/5						
Depth to Top	3.40	3.40	3.80	1.90						
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	15-Jul-25						
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES						
Sample Matrix Code	5A	5A	5A	5A						
VOC excl. BTEX										
Dichlorodifluoromethane$_A$	-	-	-	<25				µg/kg	1	A-T-006s
Chloromethane$_A$	-	-	-	<250				µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Bromomethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Chloroethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Trichlorofluoromethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,1-Dichloroethene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Carbon Disulphide$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Dichloromethane$_A$	-	-	-	<125				µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,1-Dichloroethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
2,2-Dichloropropane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Bromochloromethane$_A^\#$	-	-	-	<125				µg/kg	5	A-T-006s
Chloroform$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,1-Dichloropropene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Carbon Tetrachloride$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,2-Dichloroethane$_A^\#$	-	-	-	<50				µg/kg	2	A-T-006s
Trichloroethene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,2-Dichloropropane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Dibromomethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Bromodichloromethane$_A^\#$	-	-	-	<250				µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,3-Dichloropropane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Tetrachloroethene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	-	-	-	<75				µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
Chlorobenzene$_A^\#$	-	-	-	<25				µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	-	-	-	<25				µg/kg	1	A-T-006s

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/8	25/07885/9	25/07885/10	25/07885/11				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS3/E/1/1	CL/HS3/W/1/1	CL/HS3/B/1/1	CL/F/1/5						
Depth to Top	3.40	3.40	3.80	1.90						
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	15-Jul-25						
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES						
Sample Matrix Code	5A	5A	5A	5A						
Styrene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	-	-	-	<75				µg/kg	3	A-T-006s
Isopropylbenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	-	-	-	<25				µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	-	-	-	<50				µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	-	-	-	<25				µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	-	-	-	<50				µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	-	-	-	<75				µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	-	-	-	<25				µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	-	-	-	<75				µg/kg	3	A-T-006s

Envirolab Job Number: 25/07885

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/07885/8	25/07885/9	25/07885/10	25/07885/11				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS3/E/1/1	CL/HS3/W/1/1	CL/HS3/B/1/1	CL/F/1/5						
Depth to Top	3.40	3.40	3.80	1.90						
Depth To Bottom										
Date Sampled	11-Jul-25	11-Jul-25	11-Jul-25	15-Jul-25						
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES						
Sample Matrix Code	5A	5A	5A	5A						
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.03	<0.03	<0.03	<0.03				mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.03	<0.03	<0.03	<0.03				mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Total Aliphatics$_A$	<1	<1	<1	<1				mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	<1	<1	<1	<1				mg/kg	1	A-T-055s
Total Aromatics$_A$	<1	<1	<1	<1				mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	<1	<1	<1	<1				mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s

Report Notes

General

•This report shall not be reproduced, except in full, without written approval from Envirolab.
•The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
•The results reported herein relate only to the material supplied to the laboratory.
•The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
•Analytical results reflect the quality of the sample at the time of analysis only.
•Opinions and Interpretations expressed are outside our scope of accreditation.
•A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
•If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
•Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "D" on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript "^"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
"Trace Asbestos Identified" will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:
For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:
EPH CWG results have humics mathematically subtracted through instrument calculation.
Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:
Results greater than 12900µS/cm @ 25^0C / 11550µS/cm @ 20^0C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Civils and Remediation Ltd, Grosvenor House, 3 Chapel Street, Congleton, Cheshire, UK, CW12 4AB

Project: City Works 4

Clients Project No: C332

Project No: 25/07885

Date Received: 21/07/2025 (am)

Cool Box Temperatures (°C): 18.1

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/07885/1	25/07885/2	25/07885/3	25/07885/4	25/07885/5	25/07885/6	25/07885/7	25/07885/8	25/07885/9	25/07885/10
Client Sample No										
Client Sample ID/Depth	CL/HS2/N/1/1 2.40m	CL/HS2/S/1/1 2.40m	CL/HS2/E/1/1 2.40m	CL/HS2/W/1/1 2.40m	CL/HS2/B/1/1 2.40m	CL/HS3/N/1/1 3.40m	CL/HS3/S/1/1 3.40m	CL/HS3/E/1/1 3.40m	CL/HS3/W/1/1 3.40m	CL/HS3/B/1/1 3.80m
Date Sampled	11/07/25	11/07/25	11/07/25	11/07/25	11/07/25	11/07/25	11/07/25	11/07/25	11/07/25	11/07/25
A-T-006s										
A-T-019s										
A-T-022s	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025	28/07/2025
A-T-024s										
A-T-027s										
A-T-040s										
A-T-042sFCN										
A-T-044	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025
A-T-045										
A-T-050s										
A-T-055s	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025
Calc										
Calc-As Recd	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025	29/07/2025

Lab Sample ID	25/07885/11
Client Sample No	
Client Sample ID/Depth	CL/F/1/5 1.90m
Date Sampled	15/07/25
A-T-006s	29/07/2025
A-T-019s	30/07/2025
A-T-022s	28/07/2025
A-T-024s	30/07/2025
A-T-027s	28/07/2025
A-T-040s	29/07/2025
A-T-042sFCN	28/07/2025
A-T-044	29/07/2025
A-T-045	22/07/2025
A-T-050s	28/07/2025
A-T-055s	29/07/2025
Calc	30/07/2025
Calc-As Recd	29/07/2025

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/08259
Issue Number: 1 **Date:** 05 August, 2025

Client:
Civils and Remediation Ltd
Grosvenor House
3 Chapel Street
Congleton
Cheshire
UK
CW12 4AB

Project Manager: Tom Magee
Project Name: City Works 4
Project Ref: C332
Order No: C332-SCO-006
Date Samples Received: 29/07/25
Date Instructions Received: 30/07/25
Date Analysis Completed: 05/08/25

Approved by:

[redacted]

Richard Wong
Client Manager

Envirolab Job Number: 25/08259

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/08259/1	25/08259/2	25/08259/3	25/08259/4	25/08259/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS4/N/1/1	CL/HS4/S/1/1	CL/HS4/E/1/1	CL/HS4/W/1/1	CL/HS4/B/1/1					
Depth to Top	2.30	2.30	2.30	2.30	2.50					
Depth To Bottom										
Date Sampled	25-Jul-25	25-Jul-25	25-Jul-25	25-Jul-25	25-Jul-25					
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES					
Sample Matrix Code	4ABE	4ABE	4ABE	4ABE	4ABE					
% Stones >10mm$_A$	24.3	31.9	28.0	22.2	24.2			% w/w	0.1	A-T-044

Envirolab Job Number: 25/08259

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/08259/1	25/08259/2	25/08259/3	25/08259/4	25/08259/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS4/N/1/1	CL/HS4/S/1/1	CL/HS4/E/1/1	CL/HS4/W/1/1	CL/HS4/B/1/1					
Depth to Top	2.30	2.30	2.30	2.30	2.50					
Depth To Bottom										
Date Sampled	25-Jul-25	25-Jul-25	25-Jul-25	25-Jul-25	25-Jul-25					
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES					
Sample Matrix Code	4ABE	4ABE	4ABE	4ABE	4ABE					
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1	<1	<1			mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	<1	<1	<1			mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	2	<1	<1	<1	3			mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	5	3	2	4	5			mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	37	30	26	45	30			mg/kg	1	A-T-055s
Total Aliphatics$_A$	43	34	30	50	38			mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	<1	<1	<1			mg/kg	1	A-T-055s
Aro >C10-C12$_A$	2	2	<1	<1	<1			mg/kg	1	A-T-055s
Aro >C12-C16$_A$	8	5	4	5	7			mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	40	22	19	23	27			mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	127	88	85	100	125			mg/kg	1	A-T-055s
Total Aromatics$_A$	178	118	110	129	161			mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	221	152	140	179	199			mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	0.01	A-T-022s

Report Notes

General

•This report shall not be reproduced, except in full, without written approval from Envirolab.
•The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
•The results reported herein relate only to the material supplied to the laboratory.
•The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
•Analytical results reflect the quality of the sample at the time of analysis only.
•Opinions and Interpretations expressed are outside our scope of accreditation.
•A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
•If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
•Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "D" on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript "^"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
"Trace Asbestos Identified" will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:

All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:

For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:

EPH CWG results have humics mathematically subtracted through instrument calculation.
Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:

Results greater than 12900µS/cm @ 25^0C / 11550µS/cm @ 20^0C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Civils and Remediation Ltd, Grosvenor House, 3 Chapel Street, Congleton, Cheshire, UK, CW12 4AB

Project: City Works 4

Clients Project No: C332

Project No: 25/08259

Date Received: 30/07/2025 (am)

Cool Box Temperatures (°C): 19.2

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/08259/1	25/08259/2	25/08259/3	25/08259/4	25/08259/5
Client Sample No					
Client Sample ID/Depth	CL/HS4/N/1/1 2.30m	CL/HS4/S/1/1 2.30m	CL/HS4/E/1/1 2.30m	CL/HS4/W/1/1 2.30m	CL/HS4/B/1/1 2.50m
Date Sampled	25/07/25	25/07/25	25/07/25	25/07/25	25/07/25
A-T-022s	04/08/2025	04/08/2025	04/08/2025	04/08/2025	04/08/2025
A-T-044	05/08/2025	05/08/2025	05/08/2025	05/08/2025	05/08/2025
A-T-055s	04/08/2025	04/08/2025	04/08/2025	04/08/2025	04/08/2025
Calc-As Recd	04/08/2025	04/08/2025	04/08/2025	04/08/2025	04/08/2025

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX E – GEOTECHNICAL RESULTS

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-51 Report Date: 13/08/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: Type 1 Subbase
Supplier/Source*: Imported

Test Number: Incremental 3

Location*: TS 4.3
Test Level: Subbase
Plate Size mm: 600

Date Tested: 12/08/2025

Weather Conditions: Dry, Overcast, Hot

Tested By: Josh Mousdell

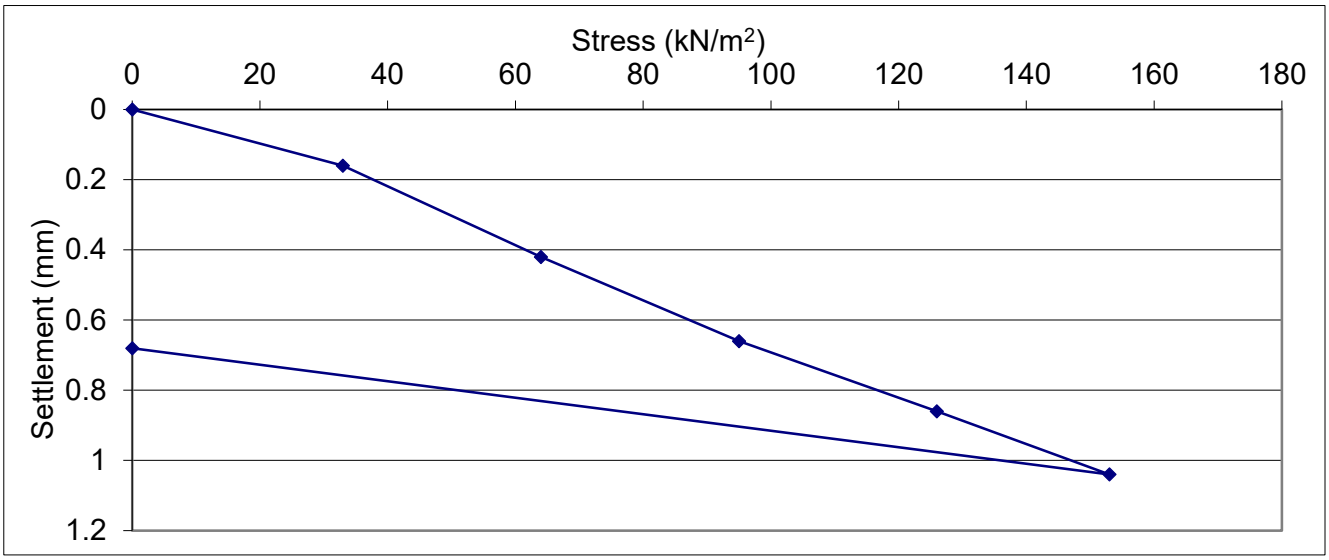
Kentledge Type: Roller

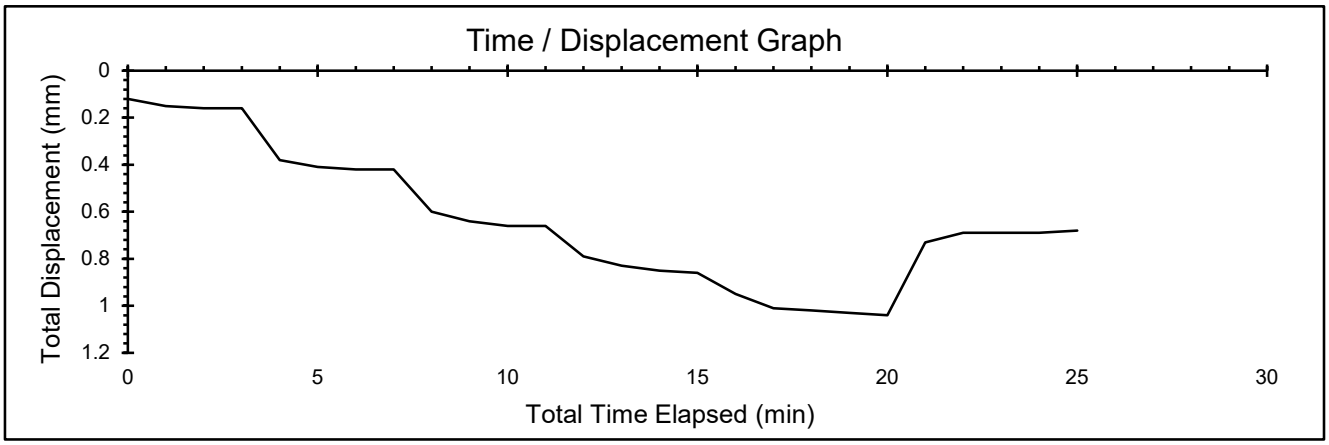
Comments:

Test Report No.: TD25-C-04-A-51

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.16
64	0.42
95	0.66
126	0.86
153	1.04
0	0.68

Working Stress kN/m²	153	**Settlement mm**	1.04





This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the location tested.

* Information supplied by client.

Signed [redacted]	P. Gabbott (Operations Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-50 Report Date: 13/08/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: Type 1 Subbase
Supplier/Source*: Imported

Test Number: Incremental 2

Location*: TS 4.2
Test Level: Subbase
Plate Size mm: 600

Date Tested: 12/08/2025

Weather Conditions: Overcast, Hot, Showers

Tested By: Josh Mousdell

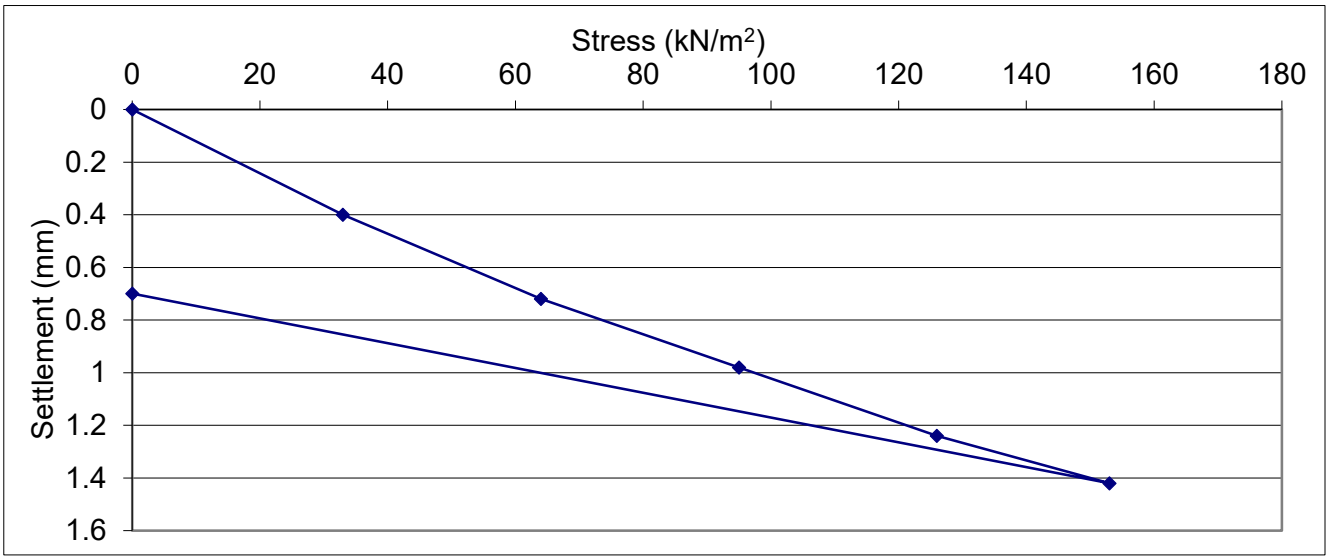
Kentledge Type: Roller

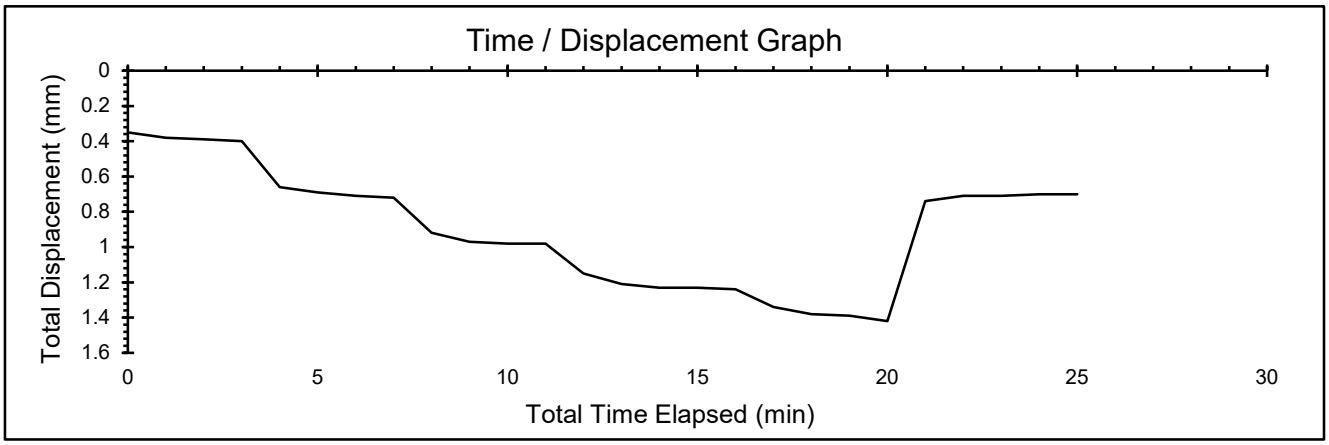
Comments:

Test Report No.: TD25-C-04-A-50

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.40
64	0.72
95	0.98
126	1.24
153	1.42
0	0.70

Working Stress kN/m²	153	**Settlement mm**	1.42





This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the location tested.

* Information supplied by client.

Sign [redacted]

P. Gabbott (Operations Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
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Merseyside
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T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Plate Loading Test

Test Report No.:	TD25-C-04-A-52	Report Date:	13/08/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: Type 1 Subbase
Supplier/Source*: Imported

Test Number: Incremental 4

Location*: TS 4.4
Test Level: Subbase
Plate Size mm: 600

Date Tested: 12/08/2025

Weather Conditions: Overcast, Hot

Tested By: Josh Mousdell

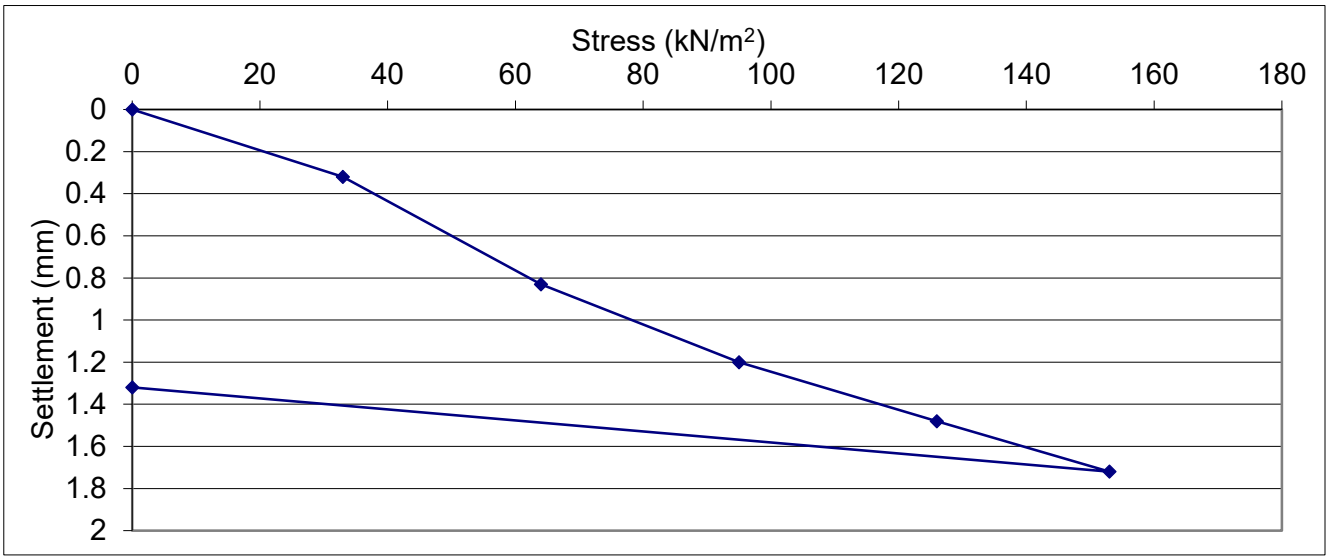
Kentledge Type: Roller

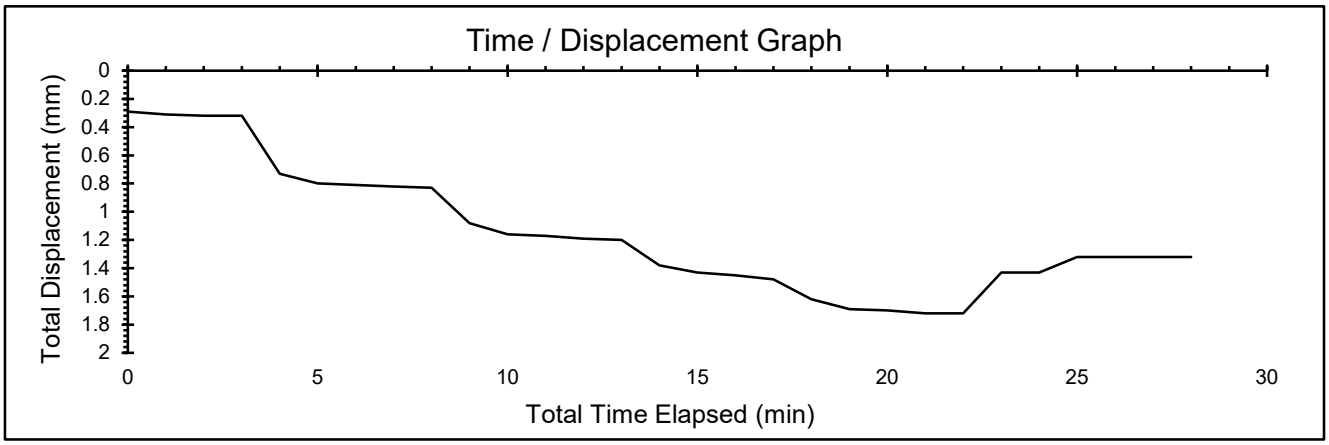
Comments:

Test Report No.: TD25-C-04-A-52

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.32
64	0.83
95	1.20
126	1.48
153	1.72
0	1.32

Working Stress kN/m²	153	**Settlement mm**	1.72





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Results relate only to the location tested.

* Information supplied by client.

Signed [redacted]	P. Gabbott (Operations Manager)

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8011

TEST REPORT

Plate Loading Test

Test Report No.: TD25-C-04-A-49 Report Date: 13/08/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: Type 1 Subbase
Supplier/Source*: Imported

Test Number: Incremental 1

Location*: TS 4.1
Test Level: Subbase
Plate Size mm: 600

Date Tested: 12/08/2025

Weather Conditions: Overcast, Hot

Tested By: Josh Mousdell

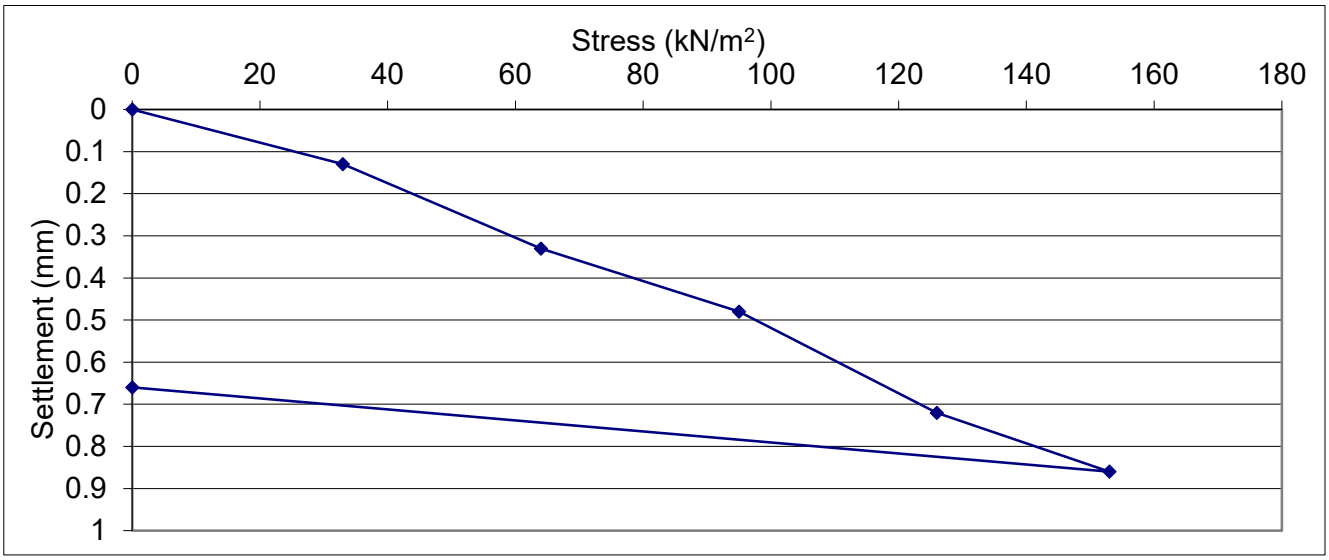
Kentledge Type: Roller

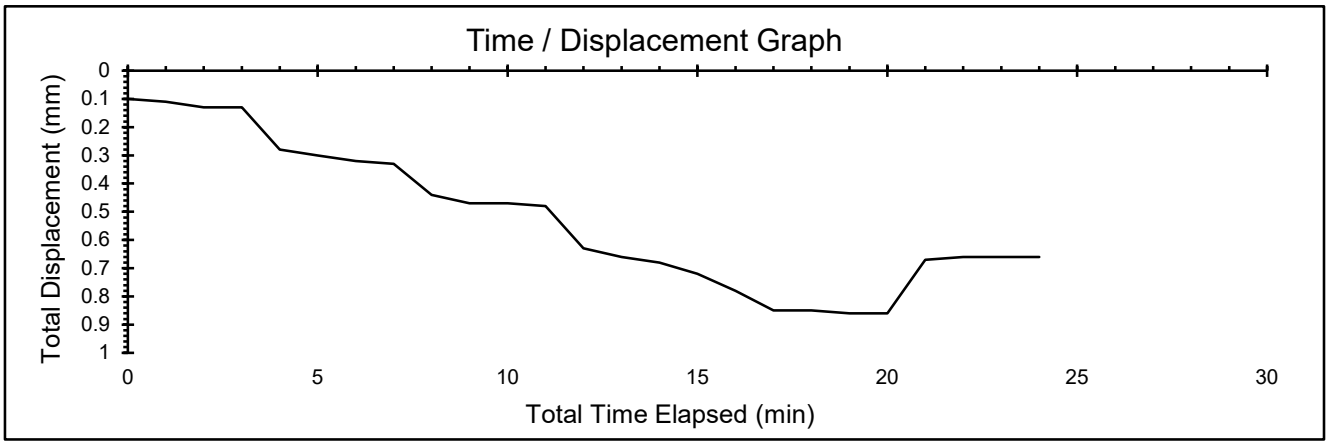
Comments:

Test Report No.: TD25-C-04-A-49

Stress (kN/m^2)	Settlement (mm)
0	0.00
33	0.13
64	0.33
95	0.48
126	0.72
153	0.86
0	0.66

Working Stress kN/m²	153	**Settlement mm**	0.86





This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the location tested.

* Information supplied by client.

Signed [redacted]	P. Gabbott (Operations Manager)

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN



City Works 4

Weekly Environmental Report, No. 13

Civil and Remediation Ltd.

C332/WER/001/13

August 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	26/08/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 13

Report Reference: C332/WER/001/13

Revision Number: 001

Issue Date: 26th August 2025

Author: Tom Magee BSc (Hons) FGS MCIWEM (Geoenvironmental Manager, C&R: Environmental Ltd.)

Checked By: Aron Rowley (Project Engineer, C&R Ltd.)

Approved By: Jack Rowley FCICES MIVM (Managing Director, C&R Ltd)

Client: Network Space,
Centrix House,
26 Crow Lane East,
Newton-le-Willows,
WA12 9UY

Principal Contractor: Bansco,
Pure House,
Bridge Street,
Horwich,
Bolton,
BL6 7BT

Remediation Contractor: Civil and Remediation Ltd.,
Grosvenor House
3 Chapel Street
Congleton
Cheshire
CW12 4AB

Contents

1.0 Week 13 Scope of Works Undertaken 1
2.0 Week 14 Forecast Works Anticipated 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 3
5.0 Remediation, Earthworks and Geotechnics 3
5.1 Site Works 3
5.2 Geotechnical Design (Instructed Late May 2025 to C&R) 4
5.3 Geotechnical Results 4
6.0 Any Other Business 5
6.1 Site Visits, Attendances & Outcomes 5
6.2 Complaints and Resolution Actions Completed 5
6.3 Health, Safety and Welfare 5
6.4 Long Lead In/ Early Warning Record 5
6.5 Other Technical Items of Note 5
6.6 Any Other Business 5
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD

1.0 Week 13 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 18/08/25 to 22/08/25 (Week 13) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Dust suppression to manage dust liberation on site;
- Reengineering of the car park area with imported naturally occurring fills & borrowed fills due to volume of soil material lost from Instructed Additional Works to date;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C/ 2C general fill materials for reengineering works;
- Continuation of drainage around the Unit 4 area out of sequence;
- Completion of dock leveller excavation and earthworks;
- Remediation & reengineering works of the area south of Unit 2 following temporary completion of crushing works;
- Remediation of the Unit 2 area out of sequence due to the fill requirement in the car park;
- Plate testing at underside of foundation below Unit 2 south and nuclear density testing within the out of sequence completed Unit 2 area and car park area;
- Continuation of crushing U1 oversized hardstanding to a 6F2 & MOT aggregate; and,
- Additional works below C&R vertical boundary of 2m bOGL removing stanchion and associated brickwork structure in area of new foul drainage, as Instructed by Bansco.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 14 Forecast Works Anticipated

The anticipated works in Week 14 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;
- 6F2 placement in the completed car park area;
- Continuation of the drainage works;
- Continuation of crushing works to process Class U1 oversized hardstanding to a recycled 6F2 product for reuse on site;
- Commencement of foundation installation in the Unit 4 area; and,
- Continued remediation of the Units 1 & 2 area out of sequence.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	73.0	83.6	N	No exceedances.
NM2	North east	72.6	83.3	N	No exceedances.
NM3	South east	75.3	83.7	N	No exceedances.
NM4	West	61.1	69.2	N	No exceedances.

No exceedances were recorded during Week 13.

3.2 Vibration Monitoring

A summary of the measured vibration levels at the relevant monitoring locations over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0					
Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB6	Centre	1.5	0.225	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

Results from the latest monitoring period will be provided when obtained from the laboratory.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01 respectively).

4.1 Contaminated Soils & Materials

A suspected relict heating tank has been recovered from the area south of Unit 4 during week 13. This tank is filled with long chain, viscous hydrocarbons and has been recovered to the quarantine area.

The excavation of this tank has been overseen by C&Rs geoenvironmental engineer, who has also guided the delineation of any impacted soils (non-significant volume due to the nature of the long chain low mobility hydrocarbons) and taken validation samples of the excavation in accordance with the remediation strategy.

The tank will be disposed off site as hazardous waste in due course.

The results from the hotspot excavation will be provided in the appendices once obtained.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 13, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now substantially complete (including Units 3 & 4 & the surrounding areas), awaiting finalised MOT to the Unit 3 area and stone to the car park and Unit 4 south.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works have now progressed to Unit 2 & Unit 1 areas with the removal of relict slabs and foundations along the southern boundary & reengineering works to bring the area back up to level. These works have been completed out of sequence to generate fill for the car park area due to volume loss of general fill materials from Instructed Additional Works to date.

Drainage works are progressing out of sequence around Unit 4 due to recent design change (C08).

Foundations for the completed Unit 4 area are due to commence from Week 14.

See C332/WRD/013 in Appendix B for a full display of works complete up to 22/08/25.

5.2 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

BWB are now establishing their works and order directly with Network Space, which may be the reason for the slight delay in their document issue.

C&R agreed to issue a Technical Note around our revised approach to capture earthworks efficiencies, for BWB to consider within their earthworks specifications. See Technical Note C332.TN.EW.001 for reference.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

5.3 Geotechnical Results

Plate testing has been conducted during Week 13 for the Unit 2 area completed out of sequence (southern strip) at the underside of foundation. Both tests passed achieving in excess of 150kN/m^2 with 3-4mm total settlement.

Nuclear density tests have also been conducted on the Unit 2 area completed out of sequence and the car park area. All tests were in excess of 95% MDD.

Test results will be provided in the appendices once obtained.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Baines from Bansco has been on site overseeing the works Monday to Friday during Week 13.

6.2 Complaints and Resolution Actions Completed

No complaints were received during week 13.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 13.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 08/07/25.

6.4 Long Lead In/ Early Warning Record

We are in receipt of the latest drainage design (C08) issued Friday 15/08/25, which we are currently in the process of reviewing.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

6.5 Other Technical Items of Note

No other technical items of note are recorded during Week 13.

6.6 Any Other Business

Note site cleaner employed as Instructed for and on behalf of Bansco team.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 13
08/08/25 - 22/08/25



Car park to west of Unit 4 filling works continue using borrowed fill out of sequence.



Crushing works continue. Demobilised during Week 13 due to out of sequence working. Remobilise Week 15.





Remediation and reengineering works of car park south of Unit 4 complete as of 4pm 22/08/25.



Additional works removal of stanchion below C&R Contract boundary of 2m bOGL in location of landscape (not allowed for) due to new foul drainage. See CVI as agreed with Bansco.



Plate testing below Unit 2 foundations south (out of sequence due to Additional Works to date and shortfall of soil materials). All test exceed specified performance requirements.



Progress of the works as of 22/08/25 1pm. See C332/WRD/013 for further information.

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Rev A

Drawing Number C332/WRD/013

Note area complete to design levels in anticipation of 3rd temporary cabin setup.

Note additional works outside C&R vertical boundary in landscape agreed with Bansco due to new foul drainage location.

Note dock leveller complete.



Note Additional welfare cabin mobilised and stacked as Instructed due to number of operatives on site (remediation, drainage, crushing teams).

Connection to existing foul complete and backfilled. SWMH23, SWMH46, SWMH47, MH5 installation, pipework and reinstatement complete. Excavation & pipework to SWMH42 complete.

C&R

civil-remediation.com

Job Title

City Works 4

Location

Openshaw

Client

Bansco

Key

- 6F2 stockpile on site produced from recovered oversize hardstanding and relict foundations.
- Additional works compound area 2 established including perimeter fencing.
- Area completed in accordance with the *MCHW* Series 600 with 6F2 layer and MOT layer.
- Unit area completed in accordance with the *MCHW* Series 600 with 6F2 layer.
- Remediation works complete. Reengineering works ongoing and awaiting fill generation out of sequence on site.
- Surface broken out & removed ready for further remediation works. Out of Sequence due to volume issues & C06 0500.

Note assessments ongoing by BWB to mitigate Landpac, cement stabilisation and ground gas CS2 requirements following bulk assessment of ground condtions.

Read in conjunction with Weekly Environmental Report No. 13 (C332/WER/001/13) for full breakdown of works during week 13 (Section 1.0).

Rev	Date	Description
A	22/08/25	Information

Drawing Status

Information

Drawing Title

Weekly Record Drawing Week 13

Project Code	C332	Scale	1: 600 (approx.)
		Date Drawn	22/08/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number

C332/WRD/013

Rev

A

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	D 15°C 1024mb	D 19°C 1023mb	D 19°C 1021 mb
Wind • Speed? • Direction?	E 5mph	ENE 7mph	ENE 6mph
Noise Readings	N_1: 65.8 74.0 N_2: 71.2 74.3 N_3: 77.4 82.3 N_4: N_5: 61.9 67.5 N_6: N_7:	N_1: 73.4 77.7 N_2: 70.6 76.0 N_3: 70.9 75.8 N_4: N_5: 60.2 64.0 N_6: N_7:	N_1: 77.4 81.5 N_2: 73.4 78.7 N_3: 78.1 81.9 N_4: N_5: 60.5 66.4 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Mon 18/08	Checked by Site / Manager		

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 15°C 1019 mb	Dry 18°C 1019 mb	Dry 18°C 1019mb
Wind • Speed? • Direction?	NE 10mph	ENE 11mph	ENE 9mph
Noise Readings	N_1: 72.5 76.2 N_2: 68.6 72.9 N_3: 75.9 81.8 N_4: N_5: 58.5 61.7 N_6: N_7:	N_1: 69.0 72.4 N_2: 69.3 73.8 N_3: 78.6 81.7 N_4: N_5: 60.0 64.1 N_6: N_7:	N_1: 78.9 83.6 N_2: 72.4 76.6 N_3: 75.9 79.3 N_4: N_5: 62.2 65.3 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence → Dust	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Tues 19/08	Checked by Site / Manager		

C&R civil-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 14°C 1020 mb	Dry 18°C 1020 mb	Dry 17°C 1019 mb
Wind • Speed? • Direction?	NE 11 mph	NE 11 mph	NNE 12 mph
Noise Readings	N_1: 72.2 76.7 N_2: N_3: 74.6 80.3 N_4: N_5: 74.7 79.4 N_6: 63.4 66.8 N_7:	N_1: 70.0 75.8 N_2: 76.2 81.4 N_3: 69.7 75.5 N_4: N_5: 62.9 68.7 N_6: N_7:	N_1: 77.7 80.8 N_2: N_3: 72.5 78.2 N_4: 75.6 79.4 N_5: N_6: 61.8 66.6 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc → Dust		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	Wed 20/08	**Checked by Site / Manager**	

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 13°C 1020mb	Dry 18°C 1021mb	Dry 18°C 1022mb
Wind • Speed? • Direction?	NNE 8 mph	NE 7mph	NW 5mph
Noise Readings	N_1: 69.0 73.2 N_2: 77.4 83.3 N_3: 72.4 78.2 N_4: N_5: N_6: 63.4 69.2 N_7:	N_1: 76.6 80.3 N_2: 72.2 78.1 N_3: 76.3 80.8 N_4: N_5: 59.5 64.4 N_6: N_7:	N_1: 69.6 74.9 N_2: 75.8 80.6 N_3: 78.0 83.7 N_4: N_5: 61.1 66.0 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Thurs 21/08	Checked by Site / Manager		

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 11°C 1022 mb	Dry 18°C 1021 mb	Dry 18°C 1021 mb
Wind • Speed? • Direction?	S 5 mph	W 9 mph	NW 6 mph
Noise Readings	N_1: 73.7 78.0 N_2: 73.5 77.7 N_3: 76.6 82.6 N_4: 58.7 64.1 N_5: N_6: N_7:	N_1: 70.6 75.8 N_2: 70.3 74.2 N_3: 73.9 79.1 N_4: 60.9 64.0 N_5: N_6: N_7:	N_1: 74.9 78.5 N_2: 71.0 76.6 N_3: 75.2 78.8 N_4: 64.7 66.6 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Fri 22/08	Checked by Site / Manager		

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE. BY DESIGN



City Works 4

Weekly Environmental Report, No. 14

Civil and Remediation Ltd.

C332/WER/001/14

August 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	02/09/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 14

Report Reference: C332/WER/001/14

Revision Number: 001

Issue Date: 02nd September 2025

Author: Tom Magee BSc (Hons) FGS MCIWEM (Geoenvironmental Manager, C&R: Environmental Ltd.)

Checked By: Aron Rowley (Project Engineer, C&R Ltd.)

Approved By: Jack Rowley FCICES MIVM (Managing Director, C&R Ltd)

Client: Network Space,
Centrix House,
26 Crow Lane East,
Newton-le-Willows,
WA12 9UY

Principal Contractor: Bansco,
Pure House,
Bridge Street,
Horwich,
Bolton,
BL6 7BT

Remediation Contractor: Civil and Remediation Ltd.,
Grosvenor House
3 Chapel Street
Congleton
Cheshire
CW12 4AB

Contents

1.0 Week 14 Scope of Works Undertaken 1
2.0 Week 15 Forecast Works Anticipated 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 3
5.0 Remediation, Earthworks and Geotechnics 3
5.1 Site Works 3
5.2 Geotechnical Design (Instructed Late May 2025 to C&R) 4
5.3 Geotechnical Results 4
6.0 Any Other Business 4
6.1 Site Visits, Attendances & Outcomes 4
6.2 Complaints and Resolution Actions Completed 4
6.3 Health, Safety and Welfare 5
6.4 Long Lead In/ Early Warning Record 5
6.5 Other Technical Items of Note 5
6.6 Any Other Business 5
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD
APPENDIX D – CHEMICAL RESULTS
APPENDIX E – GEOTECHNICAL RESULTS

1.0 Week 14 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 26/08/25 to 29/08/25 (Week 14) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Dust suppression to manage dust liberation on site;
- Stone placement in the car park area north of the site;
- Additional works excavations below C&R vertical boundary of 2m bOGL in the car park area in the area of the new foul drainage run;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C/ 2C general fill materials for reengineering works;
- Continuation of drainage around the Unit 4 area out of sequence;
- Continued remediation & reengineering works of the area south of Unit 2 following temporary completion of crushing works;
- Foundation excavation and construction for Unit 4; and,
- Excavation of the next attenuation tank in the south eastern corner of the site.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 15 Forecast Works Anticipated

The anticipated works in Week 15 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;
- Continued 6F2 placement in the completed car park area following Additional Works completion;

- Continuation of the drainage works out of sequence moving to outfall on Tuesday and with Bowles security gate removed on Thursday remediate landscape and car park (additional works) to facilitate continuation of new design location foul line;
- Continuation of foundation installation in the Unit 4 area to completion;
- Completion of drainage out of sequence north of unit 4 and then rework due to level change stone finish car park area;
- Remediation below attenuation tank 4 unit 4 south attenuation tank excavation and installation to completion and backfilled in Week 15;
- Hotspot excavation to quarantine works with follow on validation testing; and,
- Continued remediation of the Units 1 & 2 area out of sequence.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	73.5	84.6	N	No exceedances.
NM2	North east	74.7	82.2	N	No exceedances.
NM3	South east	74.3	82.3	N	No exceedances.
NM4	West	61.6	69.1	N	No exceedances.

No exceedances were recorded during Week 14.

3.2 Vibration Monitoring

A summary of the measured vibration levels at the relevant monitoring locations over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0					
Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB6	Centre	1.5	0.664	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01 respectively).

4.1 Contaminated Soils & Materials

Chemical results for samples of recovered MOT, site produced 6F2, imported naturally occurring fill materials and site won fill materials are presented in Appendix D.

All results pass against the screening criteria in the remediation strategy.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 14, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now substantially complete (including Units 3 & 4 & the surrounding areas), awaiting finalised MOT to the Unit 3 area and stone to the car park and Unit 4 south.

Foundation construction has commenced for Unit 4 during Week 14.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works have now progressed to Unit 2 & Unit 1 areas with the removal of relict slabs and foundations along the southern boundary & reengineering works to bring the area back up to level. These works have been completed out of sequence to generate fill for the car park area due to volume loss of general fill materials from Instructed Additional Works to date.

Drainage works are progressing out of sequence around Unit 4 due to recent design change (C08).

See C332/WRD/014 in Appendix B for a full display of works complete up to 29/08/25.

5.2 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

BWB are now establishing their works and order directly with Network Space, which may be the reason for the slight delay in their document issue.

C&R agreed to issue a Technical Note around our revised approach to capture earthworks efficiencies, for BWB to consider within their earthworks specifications. See Technical Note C332.TN.EW.001 for reference.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

5.3 Geotechnical Results

Plate testing results for Unit 2 at the underside of foundation level are presented in Appendix E. Two No. plate tests were conducted, obtaining maximum settlements of 3.95mm and 5.06mm at 161kN/m^2. These tests have passed significantly below the settlement criteria of 25mm.

Nuclear density tests have also been presented for the Unit 2 area, northern car park and south eastern car park. All tests passed except for the southeastern car park, where material has subsequently been removed and reengineered following the slight underperformance on the density results.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Baines from Bansco has been on site overseeing the works Monday to Friday during Week 14.

6.2 Complaints and Resolution Actions Completed

No complaints were received during week 14.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 14.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 08/07/25.

6.4 Long Lead In/ Early Warning Record

We are in receipt of the latest drainage design (C08) issued Friday 15/08/25, which we are currently in the process of reviewing.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

6.5 Other Technical Items of Note

No other technical items of note are recorded during Week 14.

6.6 Any Other Business

Note site cleaner employed as Instructed for and on behalf of Bansco team.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 14
25/08/25 - 29/08/25





Unit 2 north filling works continue south and remediation continues north out of sequence due to additional works to date, and subsequent loss of fill materials volume.



Additional works remediation below C&R Vertical Boundary of 2m bOGL in new location of foul drainage due to unforseen obstruction. Refer to CVI006.



Drainage works ongoing around the Unit 4 area out of sequence due to design changes to date.



Second attenuation tank excavation completed in antipation of installation to approved SDS design in Week 15



Foundation installation in Unit 4 area commenced during Week 14 delayed and out of sequence.



Works progress as of 29/08/25 1pm. See C332/WRD/014 for further information.

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Rev A

Drawing Number C332/WRD/014

Note area complete to design levels in anticipation of 3rd temporary cabin setup.

Note additional works outside C&R vertical boundary in landscape agreed with Bansco due to new foul drainage location.

Note dock leveller complete.



Note Additional welfare cabin mobilised and stacked as Instructed due to number of operatives on site (remediation, drainage, crushing teams).

Note next attenuation tank excavation complete.

Note foundations commenced Week 14.

C&R

civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- 6F2 stockpile on site produced from recovered oversize hardstanding and relict foundations.
- Additional works compound area 2 established including perimeter fencing.
- Area completed in accordance with the *MCHW* Series 600 with 6F2 layer and MOT layer.
- Remediation and stoning up complete, awaiting MOT finalisation.
- Remediation works ongoing.

Note assessments ongoing by BWB to mitigate Landpac, cement stabilisation and ground gas CS2 requirements following bulk assessment of ground condtions.

Read in conjunction with Weekly Environmental Report No. 14 (C332/WER/001/14) for full breakdown of works during week 14 (Section 1.0).

Rev	Date	Description
A	29/08/25	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 14

Project Code	C332	Scale	1: 600 (approx.)
		Date Drawn	29/08/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/WRD/014

Rev A

Rev A

Drawing Number C322/AR/SK/050



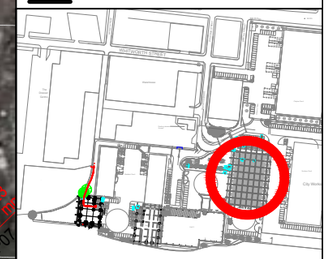
C&R
civil-remediation.com

Job Title
City Works

Location
Openshaw

Client
Network Space / Bansco

Key



Location Plan

Rev	Date	Description
A	29/08/25	Information

Drawing Status
Information

Drawing Title
Unit 4 Foundation Progress As of 29/08/25 12:00

C&R Project Code C322

Scale	NTS
Date Drawn	29/08/25
Drawn By	AR
Reviewed By	TM
Original Size	A3

Drawing Number
C322/AR/SK/050

Rev
A

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R civil remediation.com	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 16°C 1005mb	Dry 24°C 1004mb	Dry 21°C 1005mb
Wind • Speed? • Direction?	S 7mph	WSW 16mph	WSW 7mph
Noise Readings	N_1: 70.6 74.4 N_2: 76.3 80.5 N_3: 78.2 81.9 N_4: 58.5 62.5 N_5: N_6: N_7:	N_1: 79.0 84.6 N_2: 78.2 81.5 N_3: 76.8 82.0 N_4: 58.8 62.6 N_5: N_6: N_7:	N_1: 75.7 80.9 N_2: 74.3 77.4 N_3: 68.7 73.4 N_4: 61.9 65.1 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB		✓
Monitoring • Any sampling/monitoring undertaken?	NDV		✓
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust		✓
PID Readings • Working Areas • Site Boundary • Receptors	NA		✓

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Tues 25/08	Checked by Site / Manager		

C&R cvd-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 15°C 1002 mb	Dry 21C 1000 mb	Dry 20C 1002 mb
Wind • Speed? • Direction?	S 7 mph	S 10 mph	S 7 mph
Noise Readings	N_1: 69.0 73.3 N_2: 73.4 76.6 N_3: N_4: 73.6 77.1 N_5: 63.3 68.0 N_6: N_7:	N_1: 69.6 73.0 N_2: 75.8 81.6 N_3: N_4: 77.4 80.5 N_5: 62.9 66.7 N_6: N_7:	N_1: 78.9 83.8 N_2: 68.7 72.0 N_3: N_4: 75.4 80.4 N_5: 63.1 69.1 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB DTM	DB	DB
Monitoring • Any sampling/monitoring undertaken?	NDV		
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust		
PID Readings • Working Areas • Site Boundary • Receptors	NA		

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	Wed 27/08	**Checked by Site / Manager**	

C&R envi-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 13C 1000mb	Dry 19C 998mb	Dry 17C 996mb
Wind • Speed? • Direction?	S 6mph	SSW 8mph	S 6mph
Noise Readings	N_1: 70.3 74.0 N_2: 75.5 78.8 N_3: N_4: 78.9 82.3 N_5: 62.7 66.3 N_6: N_7:	N_1: 77.8 83.3 N_2: 73.5 78.8 N_3: N_4: 75.3 79.8 N_5: 62.7 67.5 N_6: N_7:	N_1: 76.4 81.0 N_2: 76.9 81.1 N_3: N_4: 75.6 79.4 N_5: 63.9 69.1 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB		
Monitoring • Any sampling/monitoring undertaken?	NPU		
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust		
PID Readings • Working Areas • Site Boundary • Receptors	NA		

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	28/09 Thurs	**Checked by Site / Manager**	

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 13°C 994mb	Dry 20°C 995mb	Dry 19°C 996mb
Wind • Speed? • Direction?	S 6mph	W 9mph	W 8mph
Noise Readings	N_1: 71.8 75.2 N_2: 69.7 75.0 N_3: 69.6 73.5 N_4: 63.7 67.3 N_5: N_6: N_7:	N_1: 69.7 73.8 N_2: 71.5 75.1 N_3: 74.0 77.2 N_4: 59.4 64.4 N_5: N_6: N_7:	N_1: 75.0 80.1 N_2: N_3: 76.7 81.4 N_4: 69.7 73.6 N_5: N_6: 58.1 63.1 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB →		
Monitoring • Any sampling/monitoring undertaken?	NDV →		
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		
PID Readings • Working Areas • Site Boundary • Receptors	NA →		

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	29/09 Fri	Checked by Site / Manager		

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE. BY DESIGN

APPENDIX D – CHEMICAL RESULTS

envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/09174
Issue Number: 1 **Date:** 28 August, 2025

Client:
Civils and Remediation Ltd
Grosvenor House
3 Chapel Street
Congleton
Cheshire
UK
CW12 4AB

Project Manager: Tom Magee
Project Name: City Works 4
Project Ref: C332
Order No: C332-SCO-006
Date Samples Received: 19/08/25
Date Instructions Received: 20/08/25
Date Analysis Completed: 28/08/25

Approved by:

[redacted]

Client Services Supervisor

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/MOT/1/3	CL/MOT/1/4	CL/6F2/1/3	CL/6F2/1/4	CL/IF/1/1	CL/IF/1/2	CL/IF/1/3			
Depth to Top	0.10	0.15	0.70	0.50	1.20	1.10	1.50			
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4A	4A	4AB	6A	6A	6A			
% Stones >10mm$_A$	12.7	<0.1	<0.1	<0.1	4.6	4.2	5.0	% w/w	0.1	A-T-044
Cyanide (free)$_A^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-042sFCN
Cyanide (total)$_A^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Arsenic$_D^{M\#}$	<1	2	3	4	3	2	3	mg/kg	1	A-T-024s
Barium$_D^{\#}$	95	118	151	156	175	126	133	mg/kg	3	A-T-024s
Beryllium$_D$	<0.5	<0.5	<0.5	<0.5	1.0	1.0	0.9	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D^{M\#}$	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	mg/kg	1	A-T-024s
Copper$_D^{M\#}$	10	20	16	17	22	22	22	mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	18	12	12	11	23	23	23	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	18	12	12	11	23	23	23	mg/kg	1	Calc
Lead$_D^{M\#}$	20	74	41	55	16	10	10	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	10	14	35	24	31	33	32	mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	9	11	11	10	22	22	22	mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	45	75	80	76	52	54	52	mg/kg	1	A-T-024s

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/MOT/1/3	CL/MOT/1/4	CL/6F2/1/3	CL/6F2/1/4	CL/IF/1/1	CL/IF/1/2	CL/IF/1/3			
Depth to Top	0.10	0.15	0.70	0.50	1.20	1.10	1.50			
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4A	4A	4AB	6A	6A	6A			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD	Chrysotile	Chrysotile	Chrysotile	NAD	NAD	NAD			A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-	-	-	-	-			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	Loose Fibres	Loose Fibres	Loose Fibres	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	<0.001	<0.001	<0.001	-	-	-	% w/w	0.001	A-T-054

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/MOT/1/3	CL/MOT/1/4	CL/6F2/1/3	CL/6F2/1/4	CL/IF/1/1	CL/IF/1/2	CL/IF/1/3			
Depth to Top	0.10	0.15	0.70	0.50	1.20	1.10	1.50			
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4A	4A	4AB	6A	6A	6A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.05	0.04	0.04	0.02	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.05	0.07	0.05	0.05	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.24	0.22	0.23	0.16	<0.02	<0.02	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.68	0.91	0.46	0.36	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.65	0.82	0.35	0.23	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.84	0.99	0.48	0.37	<0.05	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.41	0.49	0.18	0.14	<0.05	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.31	0.36	0.19	0.13	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.68	0.80	0.45	0.34	<0.06	<0.06	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	0.11	0.13	0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	1.40	1.79	0.95	0.61	<0.08	<0.08	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.06	0.07	0.09	0.07	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.47	0.56	0.19	0.14	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.68	0.65	0.65	0.40	0.03	0.04	0.04	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	1.18	1.54	0.78	0.52	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	7.81	9.44	5.13	3.54	<0.08	<0.08	<0.08	mg/kg	0.01	A-T-019s

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/MOT/1/3	CL/MOT/1/4	CL/6F2/1/3	CL/6F2/1/4	CL/IF/1/1	CL/IF/1/2	CL/IF/1/3			
Depth to Top	0.10	0.15	0.70	0.50	1.20	1.10	1.50			
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4A	4A	4AB	6A	6A	6A			
VOC										
Dichlorodifluoromethane$_A$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Chloromethane$_A$	<10	<10	<10	<10	<250	<250	<250	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Bromomethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Chloroethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Trichlorofluoromethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,1-Dichloroethene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Carbon Disulphide$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Dichloromethane$_A$	<5	<5	<5	<5	<125	<125	<125	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,1-Dichloroethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
2,2-Dichloropropane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Bromochloromethane$_A^\#$	<5	<5	<5	<5	<125	<125	<125	µg/kg	5	A-T-006s
Chloroform$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,1-Dichloropropene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Carbon Tetrachloride$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,2-Dichloroethane$_A^\#$	<2	<2	<2	<2	<50	<50	<50	µg/kg	2	A-T-006s
Benzene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Trichloroethene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,2-Dichloropropane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Dibromomethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Bromodichloromethane$_A^\#$	<10	<10	<10	<10	<250	<250	<250	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Toluene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,3-Dichloropropane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Tetrachloroethene$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	<3	<3	<3	<3	<75	<75	<75	µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/MOT/1/3	CL/MOT/1/4	CL/6F2/1/3	CL/6F2/1/4	CL/IF/1/1	CL/IF/1/2	CL/IF/1/3			
Depth to Top	0.10	0.15	0.70	0.50	1.20	1.10	1.50			
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4A	4A	4AB	6A	6A	6A			
Chlorobenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	<2	<2	<2	<2	<50	<50	<50	µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<3	<3	<3	<3	<75	<75	<75	µg/kg	3	A-T-006s
Isopropylbenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	<2	<2	<2	<2	<50	<50	<50	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2	<2	<2	<2	<50	<50	<50	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3	<3	<3	<3	<75	<75	<75	µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1	<1	<1	<1	<25	<25	<25	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3	<3	<3	<3	<75	<75	<75	µg/kg	3	A-T-006s

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/MOT/1/3	CL/MOT/1/4	CL/6F2/1/3	CL/6F2/1/4	CL/IF/1/1	CL/IF/1/2	CL/IF/1/3			
Depth to Top	0.10	0.15	0.70	0.50	1.20	1.10	1.50			
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4A	4A	4AB	6A	6A	6A			
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<10	<10	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<10	<10	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<10	<10	<1	<1	2	2	2	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<10	<10	3	5	2	2	2	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	119	127	42	66	4	3	4	mg/kg	1	A-T-055s
Total Aliphatics$_A$	119	127	45	71	9	8	9	mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<10	<10	<1	1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<10	<10	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<10	<10	3	5	3	2	3	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	15	18	10	21	6	4	6	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	80	89	34	71	20	11	17	mg/kg	1	A-T-055s
Total Aromatics$_A$	95	108	47	99	29	18	25	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	215	235	92	170	38	25	34	mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/8	25/09174/10	25/09174/11					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/IF/1/4	CL/F/1/6	CL/F/1/7							
Depth to Top	0.90	1.20	0.90							
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES							
Sample Matrix Code	6A	4A	4AB							
% Stones >10mm$_A$	4.9	<0.1	<0.1					% w/w	0.1	A-T-044
Cyanide (free)$_A^{M\#}$	<1	<1	<1					mg/kg	1	A-T-042sFCN
Cyanide (total)$_A^{M\#}$	<1	<1	<1					mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2					mg/kg	0.2	A-T-050s
Arsenic$_D^{M\#}$	2	57	60					mg/kg	1	A-T-024s
Barium$_D^{\#}$	132	240	222					mg/kg	3	A-T-024s
Beryllium$_D$	1.0	1.7	2.0					mg/kg	0.5	A-T-024s
Boron (water soluble)$_D^{M\#}$	<1.0	<1.0	<1.0					mg/kg	1	A-T-027s
Cadmium$_D$	<1.0	<1.0	<1.0					mg/kg	1	A-T-024s
Copper$_D^{M\#}$	24	88	94					mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	27	18	30					mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1					mg/kg	1	A-T-040s
Chromium (trivalent)	27	18	30					mg/kg	1	Calc
Lead$_D^{M\#}$	10	160	211					mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	0.18					mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	37	40	59					mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	<1	2	2					mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	25	34	34					mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	57	204	150					mg/kg	1	A-T-024s

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/8	25/09174/10	25/09174/11					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/IF/1/4	CL/F/1/6	CL/F/1/7							
Depth to Top	0.90	1.20	0.90							
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES							
Sample Matrix Code	6A	4A	4AB							
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_{D}^{\#}$	NAD	Chrysotile	Chrysotile							A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-							A-T-045
Asbestos Matrix (microscope)$_{D}$	-	Loose Fibres	Loose Fibres							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A							A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	0.001	<0.001					% w/w	0.001	A-T-054

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/8	25/09174/10	25/09174/11					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/IF/1/4	CL/F/1/6	CL/F/1/7							
Depth to Top	0.90	1.20	0.90							
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES							
Sample Matrix Code	6A	4A	4AB							
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	0.19	0.03					mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	0.28	0.06					mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	1.69	0.19					mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.07	5.65	1.09					mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	2.10	0.99					mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	2.93	1.44					mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	0.91	0.63					mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	1.01	0.51					mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	3.60	1.02					mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	0.25	0.16					mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	5.70	1.60					mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	0.47	0.05					mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	0.84	0.70					mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	0.28	0.04					mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.03	3.46	0.59					mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	5.33	1.41					mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	0.10	34.7	10.5					mg/kg	0.01	A-T-019s

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/8	25/09174/10	25/09174/11					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/IF/1/4	CL/F/1/6	CL/F/1/7							
Depth to Top	0.90	1.20	0.90							
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES							
Sample Matrix Code	6A	4A	4AB							
VOC										
Dichlorodifluoromethane$_{A}$	<25	<1	<25					µg/kg	1	A-T-006s
Chloromethane$_{A}$	<250	<10	<250					µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Dichloromethane$_{A}$	<125	<5	<125					µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	<125	<5	<125					µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	<50	<2	<50					µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	<250	<10	<250					µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	<75	<3	<75					µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	<25	<1	<25					µg/kg	1	A-T-006s

Lab Sample ID	25/09174/8	25/09174/10	25/09174/11					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/IF/1/4	CL/F/1/6	CL/F/1/7							
Depth to Top	0.90	1.20	0.90							
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES							
Sample Matrix Code	6A	4A	4AB							
Chlorobenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	<25	<1	<25					µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	<50	<2	<50					µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
o-Xylene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
Styrene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
Bromoform$_A^\#$	<75	<3	<75					µg/kg	3	A-T-006s
Isopropylbenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	<25	<1	<25					µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	<50	<2	<50					µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	<25	<1	<25					µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	<50	<2	<50					µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	<75	<3	<75					µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	<25	<1	<25					µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	<75	<3	<75					µg/kg	3	A-T-006s

Envirolab Job Number: 25/09174

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/09174/8	25/09174/10	25/09174/11					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/IF/1/4	CL/F/1/6	CL/F/1/7							
Depth to Top	0.90	1.20	0.90							
Depth To Bottom										
Date Sampled										
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES							
Sample Matrix Code	6A	4A	4AB							
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1					mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	<1					mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	1	2	2					mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	1	6	6					mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	3	40	52					mg/kg	1	A-T-055s
Total Aliphatics$_A$	6	48	61					mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	2	2					mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	1	2					mg/kg	1	A-T-055s
Aro >C12-C16$_A$	2	8	7					mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	4	43	28					mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	10	249	141					mg/kg	1	A-T-055s
Total Aromatics$_A$	17	304	181					mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	22	353	241					mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s

Report Notes

General

•This report shall not be reproduced, except in full, without written approval from Envirolab.
•The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
•The results reported herein relate only to the material supplied to the laboratory.
•The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
•Analytical results reflect the quality of the sample at the time of analysis only.
•Opinions and Interpretations expressed are outside our scope of accreditation.
•A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
•If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
•Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "D" on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript "^"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
"Trace Asbestos Identified" will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:
For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:
EPH CWG results have humics mathematically subtracted through instrument calculation.
Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:
Results greater than 12900µS/cm @ 25^0C / 11550µS/cm @ 20^0C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Civils and Remediation Ltd, Grosvenor House, 3 Chapel Street, Congleton, Cheshire, UK, CW12 4AB

Project: City Works 4

Clients Project No: C332

Project No: 25/09174

Date Received: 20/08/2025 (am)

Cool Box Temperatures (°C): 16.2

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	25/09174/8	25/09174/10	25/09174/11
Client Sample No										
Client Sample ID/Depth	CL/MOT/1/3 0.10m	CL/MOT/1/4 0.15m	CL/6F2/1/3 0.70m	CL/6F2/1/4 0.50m	CL/IF/1/1 1.20m	CL/IF/1/2 1.10m	CL/IF/1/3 1.50m	CL/IF/1/4 0.90m	CL/F/1/6 1.20m	CL/F/1/7 0.90m
Date Sampled										
Deviation Code										
E (no date)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Key
E (no date) *No sampling date provided (all results affected if not provided)*

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/09174/1	25/09174/2	25/09174/3	25/09174/4	25/09174/5	25/09174/6	25/09174/7	25/09174/8	25/09174/10	25/09174/11
Client Sample No										
Client Sample ID/Depth	CL/MOT/1/3 0.10m	CL/MOT/1/4 0.15m	CL/6F2/1/3 0.70m	CL/6F2/1/4 0.50m	CL/IF/1/1 1.20m	CL/IF/1/2 1.10m	CL/IF/1/3 1.50m	CL/IF/1/4 0.90m	CL/F/1/6 1.20m	CL/F/1/7 0.90m
Date Sampled										
A-T-006s	22/08/2025	22/08/2025	22/08/2025	22/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	22/08/2025	27/08/2025
A-T-019s	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025
A-T-022s	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025
A-T-024s	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025
A-T-027s	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025
A-T-040s	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025
A-T-042sFCN	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025
A-T-042sTCN	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025
A-T-044	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025
A-T-045	21/08/2025	21/08/2025	21/08/2025	21/08/2025	21/08/2025	21/08/2025	21/08/2025	21/08/2025	21/08/2025	21/08/2025
A-T-050s	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025
A-T-054		22/08/2025	22/08/2025	22/08/2025					22/08/2025	22/08/2025
A-T-055s	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025	22/08/2025
Calc	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025	26/08/2025
Calc-As Recd	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025	27/08/2025

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX E – GEOTECHNICAL RESULTS

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Plate Loading Test

Test Report No.:	TD25-C-04-A-54	Report Date:	26/08/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: Made Ground
Supplier/Source*: Client / Site Won

Test Number: PLT 2

Location*: US 2.2
Test Level: Formation
Plate Size mm: 600

Date Tested: 22/08/2025

Weather Conditions: Overcast

Tested By: Antonio Vieira

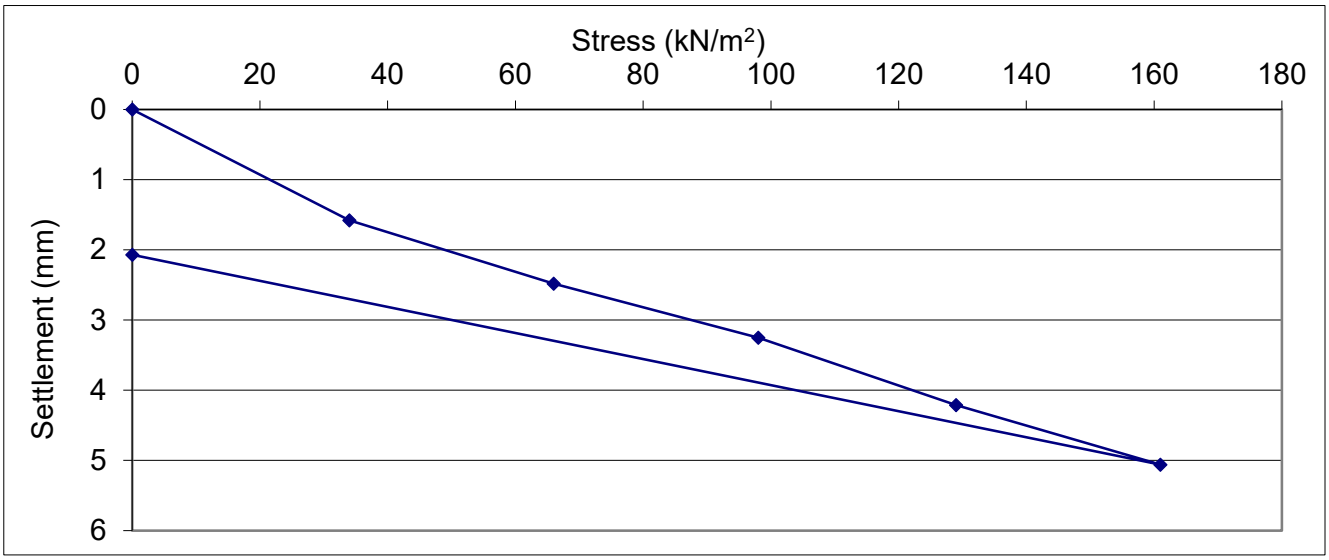
Kentledge Type: Roller

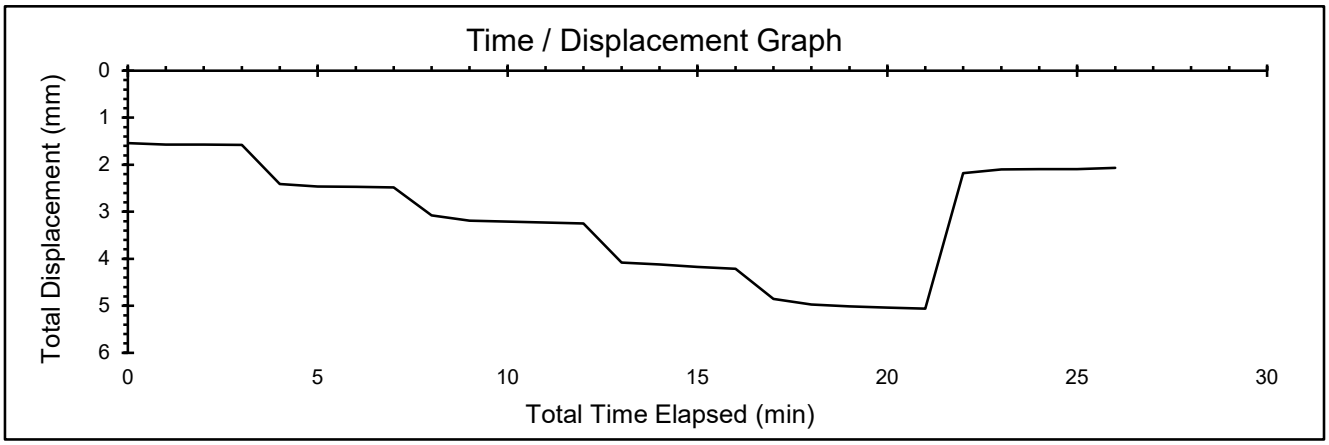
Comments:

Test Report No.: TD25-C-04-A-54

Stress (kN/m^2)	Settlement (mm)
0	0.00
34	1.58
66	2.48
98	3.25
129	4.21
161	5.06
0	2.07

Working Stress kN/m²	161	**Settlement mm**	5.06





This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the location tested.

* Information supplied by client.

Signed [redacted]	P. Gabbott (Operations Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Plate Loading Test

Test Report No.:	TD25-C-04-A-53	Report Date:	26/08/2025

Client: Civil & Remediation

Address: Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB

Contact: Tom Magee

Site: City 4, Manchester

Test Requested: **Incremental Plate Loading Test**
Test Method: BS1377-9:1990

Material*: Made Ground
Supplier/Source*: Client / Site Won

Test Number: PLT 1

Location*: US 2.1
Test Level: Formation
Plate Size mm: 600

Date Tested: 22/08/2025

Weather Conditions: Overcast

Tested By: Antonio Vieira

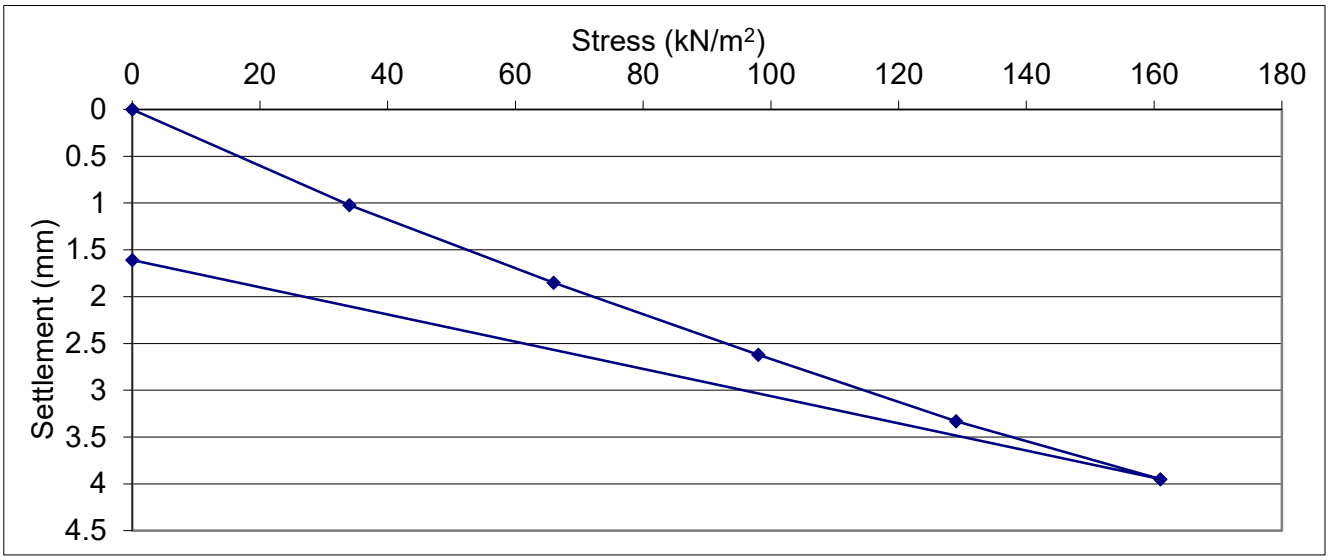
Kentledge Type: Roller

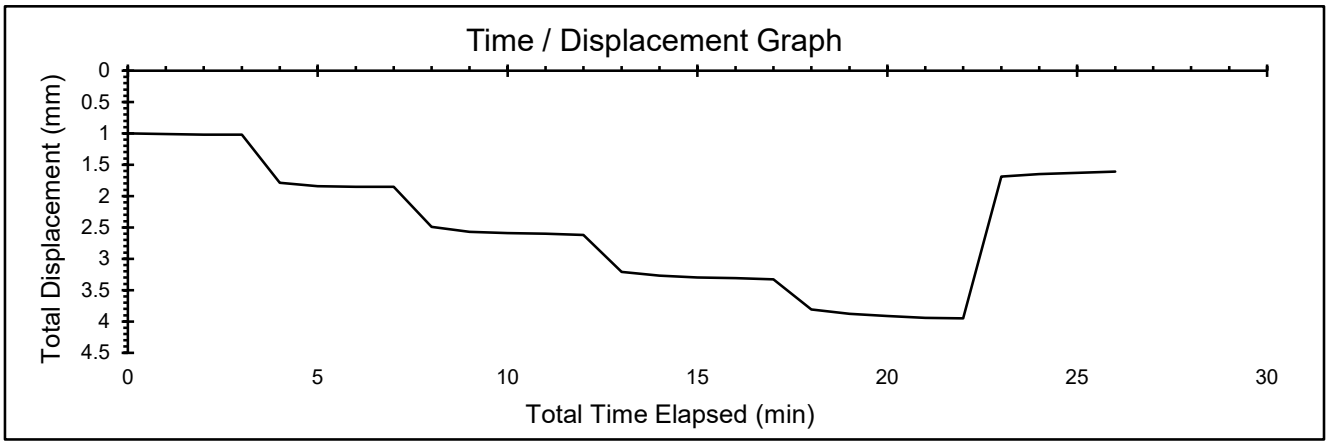
Comments:

Test Report No.: TD25-C-04-A-53

Stress (kN/m^2)	Settlement (mm)
0	0.00
34	1.02
66	1.85
98	2.62
129	3.33
161	3.95
0	1.61

Working Stress kN/m²	161	**Settlement mm**	3.95





This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the location tested.

* Information supplied by client.

Signed [redacted]	P. Gabbott (Operations Manager)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
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WA10 2SD

T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Insitu Density Testing, Nuclear Method to BS 1377-9:1990 Compliance Method

Report No.:	TD25-C-04-A-55	Date Reported:	26/08/2025
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester		
Material Description:	Made Ground		
Date of Test:	22/08/2025	Source*:	Site Won
Gauge Model:	Troxler 3430	Gauge Serial No.:	26747
General Location*:	See Below	Probe Depth:	275 mm
Particle Density:	N/A	Weather Conditions:	Sunny

Test No.	Test Position*	Bulk Density Mg/m^3	Moisture Content %	Dry Density Mg/m^3	Max Dry Density Mg/m^3	Relative Comp. %	Air Voids %
NDG 1	ND 2.1	1.95	10.4	1.77	1.84	96	N/R
NDG 2	ND 2.2	1.92	10.3	1.74	1.84	95	N/R
NDG 3	ND 2.3	1.89	8.6	1.74	1.84	95	N/R
NDG 4	ND CP1	1.89	8.6	1.74	1.84	95	N/R
NDG 5	ND CP2	1.87	7.7	1.73	1.84	94	N/R
NDG 6	ND CP3	1.90	7.4	1.77	1.84	96	N/R
NDG 7	ND CP4	1.88	17.6	1.60	1.84	87	N/R
NDG 8	ND CP5	1.92	13.0	1.70	1.84	92	N/R

Comments / Deviations:

Relative Compaction compared to Max Dry Density
Moisture Content corrected in accordance with BS 1377-9:1990
Bulk Density corrected in accordance with BS 1377:9:1990
Air Voids Calculated in accordance with BS1377-1:2016
This report shall not be reproduced except in full without approval of the laboratory
Results relate only to the sample tested
* Information supplied by client

Signed: [redacted]

P. Gabbott (Operations Manager)

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE. BY DESIGN



City Works 4

Weekly Environmental Report, No. 19

Civil and Remediation Ltd.

C332/WER/001/19

October 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	03/10/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 19

Report Reference: C332/WER/001/19

Revision Number: 001

Issue Date: 03rd October 2025

Author: Tom Magee BSc (Hons) FGS MCIWEM (Geoenvironmental Manager, C&R: Environmental Ltd.)

Checked By: Aron Rowley (Project Engineer, C&R Ltd.)

Approved By: Jack Rowley FCICES MIVM (Managing Director, C&R Ltd)

Client: Network Space,
Centrix House,
26 Crow Lane East,
Newton-le-Willows,
WA12 9UY

Principal Contractor: Bansco,
Pure House,
Bridge Street,
Horwich,
Bolton,
BL6 7BT

Remediation Contractor: Civil and Remediation Ltd.,
Grosvenor House
3 Chapel Street
Congleton
Cheshire
CW12 4AB

Contents

1.0 Week 19 Scope of Works Undertaken 1
2.0 Further Works 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 2
4.0 Contamination and Chemical Results 2
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 3
5.0 Remediation, Earthworks and Geotechnics 3
5.1 Site Works 3
5.2 Geotechnical Results 4
5.3 Geotechnical Design (Instructed Late May 2025 to C&R) 4
6.0 Any Other Business 4
6.1 Site Visits, Attendances & Outcomes 4
6.2 Complaints and Resolution Actions Completed 4
6.3 Health, Safety and Welfare 5
6.4 Long Lead In/ Early Warning Record 5
6.5 Other Technical Items of Note 5
6.6 Any Other Business 5
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – CHEMICAL RESULTS

1.0 Week 19 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 29/09/25 to 03/10/25 (Week 19) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Completion of the remediation to units 1 & 2 including additional works removal of relict structures below C&Rs Contractual Boundary of 2m bOGL and additional works lime modification due to additional works to date extending the programme into winter working conditions;
- Installation of capping to the units 1 & 2 area;
- Erection of steel in Unit 4 under the management of Bansco;
- Continuation of the road works in accordance with the agreed and approved phasing;
- Continuation of crushing works to completion;
- Unit 2 area balanced by C&R Engineer with issued levels to achieve balance accepted by Stantec; and,
- Continuation of drainage works with additional second gang mobilised due to design change disruption and programme impact to date.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Further Works

As the remediation works are now complete on site, this will be the final weekly report.

Further works include the finalisation of the capping on site and final plate tests to Units 1 & 2, which shall be reported in the final validation report.

A draft validation report has been issued to BWB and Bansco for comment.

The outstanding works include capping, drainage, foundation and roadworks to completion of the wider contract.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	71.3	79.7	N	No exceedances.
NM2	North east	72.8	82.8	N	No exceedances.
NM3	South east	72.4	80.9	N	No exceedances.
NM4	West	65.9	73.1	N	No exceedances.

No exceedances were recorded during Week 19.

3.2 Vibration Monitoring

A summary of the measured vibration levels at the relevant monitoring locations over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0

Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB6	Centre	1.5	0.359	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02)

from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01 respectively).

4.1 Contaminated Soils & Materials

No unexpected soils contamination has been encountered during Week 19.

The hotspot excavations from Week 17 have returned validation sample results below the limit of detection for TCE.

The quarantine stockpile has also returned results below the LOD for TCE and all VOCs.

This suggests that hotspots recorded through the SI were extremely limited in scale and not observed in bulk conditions.

In a conservative approach, the hotspot materials have been reused at depth (>1m bFFL).

The asbestos area has also been screened for asbestos, as recorded in the Week 17 WER. No fragments of asbestos have been observed in bulk conditions. This suggests isolated & sporadic occurrences of ACMs rather than a wider problem area. The testing results show asbestos as NAD, and this area is considered closed.

Testing results for the asbestos area, VOC hotspots and quarantine pile are presented in Appendix C.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 19, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now substantially complete (including Units 3 & 4 & the surrounding areas), awaiting finalised MOT to the Unit 3 area.

Drainage is ongoing around Unit 4 – the new revised foul connection has been completed. Drainage works are progressing out of sequence around Unit 4 due to continued design changes.

Foundation construction for Unit 4 was completed during Week 15. Steel erection by Bansco has commenced during Week 18.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works are now complete in the Units 2 & 1 areas, including additional works removal of relict foundations and structures below C&Rs vertical boundary of 2m to remove tunnels clashing with drainage infrastructure, foundations and works outside of the boundary to make safe existing relict

structures within the influencing distance of the foundations. C&Rs engineer has agreed the final levels with Stantec to achieve a balance on site.

See C332/WRD/019 in Appendix B for a full display of works complete up to 02/10/25.

5.2 Geotechnical Results

All geotechnical results have now been provided for the site, save for final plate testing results from below Units 2 & 1 at underside of foundation and underside of slab. These will be provided separately in the final validation report.

5.3 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

BWB are now establishing their works and order directly with Network Space, which may be the reason for the slight delay in their document issue.

C&R agreed to issue a Technical Note around our revised approach to capture earthworks efficiencies, for BWB to consider within their earthworks specifications. See Technical Note C332.TN.EW.001 for reference.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

C&R are aware that BWB have not been appointed by Week 19, at the completion of the remediation and earthworks exercise.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Baines and Dave (Site Manager) from Bansco have been on site overseeing the works Monday to Friday during Week 19.

6.2 Complaints and Resolution Actions Completed

No complaints were received during week 19.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 19.

6.4 Long Lead In/ Early Warning Record

We are in receipt of the latest drainage design (C08) issued Friday 15/08/25, which we are currently in the process of reviewing. Note that drainage is still progressing out of sequence due to the impact of revisions to date.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

Note that due to the number of variations and design changes regarding the drainage to date, and subsequent working out of sequence for the majority of the installation, the drainage programme is now being reconsidered. A second gang has been mobilised as additional works to assist with mitigating delays caused by design changes to date.

6.5 Other Technical Items of Note

The draft validation report has been produced and circulated to BWB & Bansco.

Week 19 is the final weekly report on completion of the earthworks.

6.6 Any Other Business

Bansco take over PC responsibilities as of Week 19.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 19
30/09/25 - 03/10/25





Units 1 & 2 remediation complete including additional works relict strucuture removal below C&R vertical boundary of 2m bOGL and additional works Lime Modification for continued reengineering works due to Additional Works instructions to date impact on programme forcing winter working out with C&R control. Note remediation is now complete.



Drainage works ongoing. Note additional works second gang mobilised to site due to delay and impact of design changes to date.



Roadworks ongoing to agreed phasing.



Crushing ongoing to completion.



Stone capping to Units 1 & 2. Note remediaiton works are now complete on site.



Site progress as of 02/09/25. See C332/WRD/019 for further information.

Note levels redefined in Unit 2 by AR.

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Drawing Number C332/WRD/019 Rev A



Note additional works lime modification in Week 19.

Note foundations complete in Week 15. Area handed over to Bansco.

C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

6F2 stockpile on site produced from recovered oversize hardstanding and relict foundations.

Area completed in accordance with the *MCHW* Series 600 with 6F2 layer and MOT layer. Area handed over to Bansco.

Remediation and stoning up complete, awaiting MOT finalisation.

Note remediation and earthworks are now complete on site. This is the final record drawing.

Note assessments ongoing by BWB to mitigate Landpac, cement stabilisation and ground gas CS2 requirements following bulk assessment of ground condtions.

Read in conjunction with Weekly Environmental Report No. 19 (C332/WER/001/19) for full breakdown of works during week 19 (Section 1.0).

Rev	Date	Description
A	03/10/25	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 19

Project Code C332
Scale 1: 750 (approx.)
Date Drawn 03/10/25
Drawn By TM
Reviewed By AR
Original Size A3

Drawing Number C332/WRD/019
Rev A

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – CHEMICAL RESULTS

envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/10903
Issue Number: 1 **Date:** 02 October, 2025

Client:
Civils and Remediation Ltd
Grosvenor House
3 Chapel Street
Congleton
Cheshire
UK
CW12 4AB

Project Manager: Tom Magee
Project Name: City Works 4
Project Ref: C332
Order No: C332-SCO-006
Date Samples Received: 26/09/25
Date Instructions Received: 29/09/25
Date Analysis Completed: 02/10/25

Approved by:



Maleyka Owen-Agjef
Client Manager

UKAS TESTING
1247

Envirolab Job Number: 25/10903

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/10903/1	25/10903/2	25/10903/3	25/10903/4	25/10903/5	25/10903/6	25/10903/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/ASB/1/1	CL/ASB/1/2	CL/ASB/1/3	CL/QP/1/2	CL/HS6/N/1/1	CL/HS6/E/1/1	CL/HS6/S/1/1			
Depth to Top	0.80	1.20	0.90		1.00	1.00	1.00			
Depth To Bottom										
Date Sampled	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	4AB	4AB			
% Stones >10mm$_A$	-	-	-	<0.1	<0.1	<0.1	<0.1	% w/w	0.1	A-T-044

Envirolab Job Number: 25/10903

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/10903/1	25/10903/2	25/10903/3	25/10903/4	25/10903/5	25/10903/6	25/10903/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/ASB/1/1	CL/ASB/1/2	CL/ASB/1/3	CL/QP/1/2	CL/HS6/N/1/1	CL/HS6/E/1/1	CL/HS6/S/1/1			
Depth to Top	0.80	1.20	0.90		1.00	1.00	1.00			
Depth To Bottom										
Date Sampled	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	4AB	4AB			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil$_D^{\#}$	NAD	NAD	NAD	-	-	-	-			A-T-045
Asbestos Matrix (visual)$_D$	-	-	-	-	-	-	-			A-T-045
Asbestos Matrix (microscope)$_D$	-	-	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	-	-	-	-			A-T-045

Envirolab Job Number: 25/10903

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/10903/1	25/10903/2	25/10903/3	25/10903/4	25/10903/5	25/10903/6	25/10903/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/ASB/1/1	CL/ASB/1/2	CL/ASB/1/3	CL/QP/1/2	CL/HS6/N/1/1	CL/HS6/E/1/1	CL/HS6/S/1/1			
Depth to Top	0.80	1.20	0.90		1.00	1.00	1.00			
Depth To Bottom										
Date Sampled	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	4AB	4AB			
VOC										
Dichlorodifluoromethane$_{A}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Chloromethane$_{A}$	-	-	-	<10	<10	<10	<10	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dichloromethane$_{A}$	-	-	-	<5	<5	<5	<5	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	-	-	-	<5	<5	<5	<5	µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	-	-	-	<2	<2	<2	<2	µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	-	-	-	<10	<10	<10	<10	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Tetrachloroethene$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	-	-	-	<3	<3	<3	<3	µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s

Envirolab Job Number: 25/10903 **Client Project Name: City Works 4**

Client Project Ref: C332

Lab Sample ID	25/10903/1	25/10903/2	25/10903/3	25/10903/4	25/10903/5	25/10903/6	25/10903/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/ASB/1/1	CL/ASB/1/2	CL/ASB/1/3	CL/QP/1/2	CL/HS6/N/1/1	CL/HS6/E/1/1	CL/HS6/S/1/1			
Depth to Top	0.80	1.20	0.90		1.00	1.00	1.00			
Depth To Bottom										
Date Sampled	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	4AB	4AB			
Chlorobenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	-	-	-	<1^U	<1^U	<1^U	<1^U	µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	-	-	-	<1^U	<1^U	<1^U	<1^U	µg/kg	1	A-T-006s
o-Xylene$_A^\#$	-	-	-	<1^U	<1^U	<1^U	<1^U	µg/kg	1	A-T-006s
Styrene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromoform$_A^\#$	-	-	-	<3	<3	<3	<3	µg/kg	3	A-T-006s
Isopropylbenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	-	-	-	<2	<2	<2	<2	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	-	-	-	<2	<2	<2	<2	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	-	-	-	<3	<3	<3	<3	µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	-	-	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	-	-	-	<3	<3	<3	<3	µg/kg	3	A-T-006s

Envirolab Job Number: 25/10903

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/10903/8	25/10903/9	25/10903/10	25/10903/11	25/10903/12	25/10903/13	25/10903/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS6/W/1/1	CL/HS6/B/1/1	CL/HS7/B/1/1	CL/HS7/E/1/1	CL/HS7/N/1/1	CL/HS7/W/1/1	CL/HS7/S/1/1			
Depth to Top	1.00	1.60	2.80	2.50	2.50	2.50	2.50			
Depth To Bottom										
Date Sampled	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	4AB	4AB			
% Stones >10mm$_A$	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	% w/w	0.1	A-T-044

Lab Sample ID	25/10903/8	25/10903/9	25/10903/10	25/10903/11	25/10903/12	25/10903/13	25/10903/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS6/W/1/1	CL/HS6/B/1/1	CL/HS7/B/1/1	CL/HS7/E/1/1	CL/HS7/N/1/1	CL/HS7/W/1/1	CL/HS7/S/1/1			
Depth to Top	1.00	1.60	2.80	2.50	2.50	2.50	2.50			
Depth To Bottom										
Date Sampled	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	4AB	4AB			
VOC										
Dichlorodifluoromethane$_A$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Chloromethane$_A$	<10	<10	<10	<10	<10	<10	12	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromomethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Chloroethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Trichlorofluoromethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Carbon Disulphide$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dichloromethane$_A$	<5	<5	<5	<5	<5	<5	<5	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
2,2-Dichloropropane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromochloromethane$_A^\#$	<5	<5	<5	<5	<5	<5	<5	µg/kg	5	A-T-006s
Chloroform$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloropropene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Carbon Tetrachloride$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloroethane$_A^\#$	<2	<2	<2	<2	<2	<2	<2	µg/kg	2	A-T-006s
Benzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Trichloroethene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloropropane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dibromomethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromodichloromethane$_A^\#$	<10	<10	<10	<10	<10	<10	<10	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Toluene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3-Dichloropropane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Tetrachloroethene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	<3	<3	<3	<3	<3	<3	<3	µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s

Envirolab Job Number: 25/10903

Client Project Name: City Works 4

Client Project Ref: C332

Lab Sample ID	25/10903/8	25/10903/9	25/10903/10	25/10903/11	25/10903/12	25/10903/13	25/10903/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	CL/HS6/W/1/1	CL/HS6/B/1/1	CL/HS7/B/1/1	CL/HS7/E/1/1	CL/HS7/N/1/1	CL/HS7/W/1/1	CL/HS7/S/1/1			
Depth to Top	1.00	1.60	2.80	2.50	2.50	2.50	2.50			
Depth To Bottom										
Date Sampled	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25	23-Sep-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AB	4AB	4AB	4AB	4AB	4AB	4AB			
Chlorobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	<1^U	<1^U	<1^U	<1^U	<1^U	<1^U	<1	µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	<1^U	<1^U	<1^U	<1^U	<1^U	<1^U	<1	µg/kg	1	A-T-006s
o-Xylene$_A^\#$	<1^U	<1^U	<1^U	<1^U	<1^U	<1^U	<1	µg/kg	1	A-T-006s
Styrene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromoform$_A^\#$	<3	<3	<3	<3	<3	<3	<3	µg/kg	3	A-T-006s
Isopropylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	<2	<2	<2	<2	<2	<2	<2	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	<2	<2	<2	<2	<2	<2	<2	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	<3	<3	<3	<3	<3	<3	<3	µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	<3	<3	<3	<3	<3	<3	<3	µg/kg	3	A-T-006s

Report Notes

General

•This report shall not be reproduced, except in full, without written approval from Envirolab.
•The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
•The results reported herein relate only to the material supplied to the laboratory.
•The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
•Analytical results reflect the quality of the sample at the time of analysis only.
•Opinions and Interpretations expressed are outside our scope of accreditation.
•A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
•If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
•Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "D" on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript "^"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
"Trace Asbestos Identified" will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:
For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:
EPH CWG results have humics mathematically subtracted through instrument calculation.
Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:
Results greater than 12900µS/cm @ 25^0C / 11550µS/cm @ 20^0C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Civils and Remediation Ltd, Grosvenor House, 3 Chapel Street, Congleton, Cheshire, UK, CW12 4AB

Project: City Works 4

Clients Project No: C332

Project No: 25/10903

Date Received: 29/09/2025 (am)

Cool Box Temperatures (°C): 10.2-10.5

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/10903/1	25/10903/2	25/10903/3	25/10903/4	25/10903/5	25/10903/6	25/10903/7	25/10903/8	25/10903/9	25/10903/10	25/10903/11
Client Sample No											
Client Sample ID/Depth	CL/ASB/1/1 0.80m	CL/ASB/1/2 1.20m	CL/ASB/1/3 0.90m	CL/QP/1/2	CL/HS6/N/1/1 1.00m	CL/HS6/E/1/1 1.00m	CL/HS6/S/1/1 1.00m	CL/HS6/W/1/1 1.00m	CL/HS6/B/1/1 1.60m	CL/HS7/B/1/1 2.80m	CL/HS7/E/1/1 2.50m
Date Sampled	23/09/25	23/09/25	23/09/25	23/09/25	23/09/25	23/09/25	23/09/25	23/09/25	23/09/25	23/09/25	23/09/25
A-T-006s				01/10/2025	01/10/2025	01/10/2025	01/10/2025	01/10/2025	01/10/2025	01/10/2025	01/10/2025
A-T-044				02/10/2025	02/10/2025	02/10/2025	02/10/2025	02/10/2025	02/10/2025	02/10/2025	02/10/2025
A-T-045	30/09/2025	30/09/2025	30/09/2025								

Lab Sample ID	25/10903/12	25/10903/13	25/10903/14
Client Sample No			
Client Sample ID/Depth	CL/HS7/N/1/1 2.50m	CL/HS7/W/1/1 2.50m	CL/HS7/S/1/1 2.50m
Date Sampled	23/09/25	23/09/25	23/09/25
A-T-006s	01/10/2025	01/10/2025	01/10/2025
A-T-044	02/10/2025	02/10/2025	02/10/2025
A-T-045			

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE. BY DESIGN



City Works 4

Weekly Environmental Report, No. 15

Civil and Remediation Ltd.

C332/WER/001/15

September 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	08/09/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 15

Report Reference: C332/WER/001/15

Revision Number: 001

Issue Date: 08th September 2025

Author: Tom Magee BSc (Hons) FGS MCIWEM (Geoenvironmental Manager, C&R: Environmental Ltd.)

Checked By: Aron Rowley (Project Engineer, C&R Ltd.)

Approved By: Jack Rowley FCICES MIVM (Managing Director, C&R Ltd)

Client: Network Space,
Centrix House,
26 Crow Lane East,
Newton-le-Willows,
WA12 9UY

Principal Contractor: Bansco,
Pure House,
Bridge Street,
Horwich,
Bolton,
BL6 7BT

Remediation Contractor: Civil and Remediation Ltd.,
Grosvenor House
3 Chapel Street
Congleton
Cheshire
CW12 4AB

Contents

1.0 Week 15 Scope of Works Undertaken 1
2.0 Week 16 Forecast Works Anticipated 2
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 3
5.0 Remediation, Earthworks and Geotechnics 3
5.1 Site Works 3
5.2 Geotechnical Design (Instructed Late May 2025 to C&R) 4
6.0 Any Other Business 4
6.1 Site Visits, Attendances & Outcomes 4
6.2 Complaints and Resolution Actions Completed 4
6.3 Health, Safety and Welfare 4
6.4 Long Lead In/ Early Warning Record 5
6.5 Other Technical Items of Note 5
6.6 Any Other Business 5
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD

1.0 Week 15 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 01/09/25 to 05/09/25 (Week 15) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Dust suppression to manage dust liberation on site;
- Stone placement in the car park area north of the site;
- Additional works remediation excavations below C&R vertical boundary of 2m bOGL in the car park area in the area of the new foul drainage run;
- Continuation of remediation to the Unit 2 area including additional works 2m bOGL removing unforeseen culvert as agreed with Bansco;
- Commencement of the remediation of the Unit 1 area;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C/ 2C general fill materials for reengineering works;
- Continuation of drainage around the Unit 4 area out of sequence and subsequent foul drainage installation to the new design out of sequence;
- Completion of the foundation installation works in Unit 4;
- Construction of the substation foundation;
- Installation and backfilling of the attenuation tank to the south of Unit 4;
- Removal of the gate on Welcomb Street to Medlock Court and installation of temporary secure fencing outside of the roadworks area in anticipation of new gate install in the new location; and,
- Additional works relocation of compound area to the North of Unit 4 to facilitate the remediation of the western area of the site.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 16 Forecast Works Anticipated

The anticipated works in Week 16 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;
- Continued 6F2 placement in the completed car park area following Additional Works remediation and out of sequence drainage installation completion;
- Continuation of the drainage works out of sequence;
- Hotspot excavation to quarantine works with follow on validation testing; and,
- Continued remediation of the Units 1 & 2 areas.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	71.9	81.0	N	No exceedances.
NM2	North east	75.0	82.8	N	No exceedances.
NM3	South east	74.0	83.2	N	No exceedances.
NM4	West	61.6	68.7	N	No exceedances.

No exceedances were recorded during Week 15.

3.2 Vibration Monitoring

A summary of the measured vibration levels at the relevant monitoring locations over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0					
Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB6	Centre	1.5	0.342	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01 respectively).

4.1 Contaminated Soils & Materials

No contaminated soils or materials have been encountered during Week 15.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 15, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now substantially complete (including Units 3 & 4 & the surrounding areas), awaiting finalised MOT to the Unit 3 area and stone to the car park and Unit 4 south.

Drainage is ongoing in the car park area west of Unit 4 – the new revised foul connection has been completed. Drainage works are progressing out of sequence around Unit 4 due to recent design change (C08).

Foundation construction for Unit 4 was completed during Week 15.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works have now progressed to Unit 2 & Unit 1 areas with the removal of relict slabs and foundations along the southern boundary & reengineering works to bring the area back up to level.

These works have been completed out of sequence to generate fill for the car park area due to volume loss of general fill materials from Instructed Additional Works to date.

See C332/WRD/015 in Appendix B for a full display of works complete up to 05/09/25.

5.2 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

BWB are now establishing their works and order directly with Network Space, which may be the reason for the slight delay in their document issue.

C&R agreed to issue a Technical Note around our revised approach to capture earthworks efficiencies, for BWB to consider within their earthworks specifications. See Technical Note C332.TN.EW.001 for reference.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Baines from Bansco has been on site overseeing the works Monday to Friday during Week 15.

6.2 Complaints and Resolution Actions Completed

No complaints were received during week 15.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 15.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 08/07/25.

6.4 Long Lead In/ Early Warning Record

We are in receipt of the latest drainage design (C08) issued Friday 15/08/25, which we are currently in the process of reviewing. Note that drainage is still progressing out of sequence due to the impact of revisions to date.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

6.5 Other Technical Items of Note

No other technical items of note are recorded during Week 15.

6.6 Any Other Business

Note site cleaner employed as Instructed for and on behalf of Bansco team.

Progress meeting occurred during Week 15. Design team meeting scheduled for Week 16.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 15
01/09/25 - 05/09/25



Breakout commences west of the site Unit 1 area following relocation of compound to north east of the site.



Additional works remediation continues below car park area due to foul drainage design location change.



Substation foundation poured during Week 15.



Foudation works for Unit 4 completed in Week 15.



Drainage works foul connection complete out of sequence due to design changes.



Attenuation tank south of Unit 4 installation complete during Week 15. Backfill ongoing.



Drone progress photograph as of 05/09/25 1pm. Refer to C332/WRD/015 for further information.

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Rev A

Drawing Number C332/WRD/015

Note additional works outside C&R vertical boundary in car park area agreed with Bansco due to new foul drainage location.



Note additional works new compound No. 3 established to facilitate remainder of the remediation.

Note next attenuation tank installation complete.

Note foundations complete in Week 15.

North

C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- 6F2 stockpile on site produced from recovered oversize hardstanding and relict foundations.
- Area completed in accordance with the *MCHW* Series 600 with 6F2 layer and MOT layer.
- Remediation and stoning up complete, awaiting MOT finalisation.
- Remediation works ongoing.

Note assessments ongoing by BWB to mitigate Landpac, cement stabilisation and ground gas CS2 requirements following bulk assessment of ground condtions.

Read in conjunction with Weekly Environmental Report No. 15 (C332/WER/001/15) for full breakdown of works during week 15 (Section 1.0).

Rev	Date	Description
A	05/09/29	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 15

Project Code	C332	Scale	1: 600 (approx.)
		Date Drawn	05/09/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/WRD/015 Rev A

Drawing Number C322/AR/SK/051 Rev A

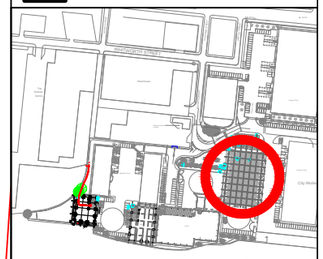


Job Title
City Works

Location
Openshaw

Client
Network Space / Bansco

Key



Location Plan

Rev	Date	Description
A	08/09/25	Information

Drawing Status
Information

Drawing Title
Unit 4 Foundation Completion
05/09/25

C&R Project Code C322

Scale	NTS
Date Drawn	08/09/25
Drawn By	AR
Reviewed By	TM
Original Size	A3

Drawing Number
C322/AR/SK/051

Rev
A

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R cwl-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 14°C 997 mb	Wet 19°C 998 mb	Dry 19°C 1001 mb
Wind • Speed? • Direction?	S 7 mph	SW 12mph	S 8mph
Noise Readings	N_1: 70.7 75.8 N_2: 75.1 79.7 N_3: 70.7 75.7 N_4: 59.7 63.6 N_5: N_6: N_7:	N_1: 70.9 74.2 N_2: 76.2 80.9 N_3: 71.8 77.8 N_4: 64.0 67.3 N_5: N_6: N_7:	N_1: 74.8 80.0 N_2: 76.4 82.1 N_3: 76.1 79.8 N_4: 62.2 65.7 N_5: N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB →		
Monitoring • Any sampling/monitoring undertaken?	NOV →		
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		
PID Readings • Working Areas • Site Boundary • Receptors	NA →		

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	01/09/25 Mon	**Checked by Site / Manager**	

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 17°C 1002mb	Dry 20°C 1000mb	Dry 18°C 999mb
Wind • Speed? • Direction?	S 6mph	S 6mph	N 3mph
Noise Readings	N_1: 71.1 75.1 N_2: N_3: 77.2 82.2 N_4: 73.0 78.3 N_5: 63.9 67.8 N_6: N_7:	N_1: 72.6 77.4 N_2: 70.1 73.5 N_3: 71.4 74.6 N_4: 62.2 67.2 N_5: N_6: N_7:	N_1: 71.2 76.7 N_2: 75.4 78.9 N_3: N_4: 76.7 81.9 N_5: N_6: 62.9 68.7 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	PB →		→
Monitoring • Any sampling/monitoring undertaken?	NAD →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Tues 02/09/25	Checked by Site / Manager		

C&R civil remediation	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 14°C 991mb	Dry 19°C 991mb	Dry 17°C 996mb
Wind • Speed? • Direction?	N 4mph	SW 10mph	SW 6mph
Noise Readings	N_1: 74.3 80.1 N_2: N_3: 77.8 82.4 N_4: 77.2 83.2 N_5: N_6: 60.8 66.4 N_7:	N_1: 77.8 81.0 N_2: N_3: 76.4 79.7 N_4: 73.9 78.0 N_5: N_6: 61.0 66.6 N_7:	N_1: 72.3 77.4 N_2: 73.0 76.8 N_3: N_4: 72.3 77.4 N_5: N_6: 60.4 64.7 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDU →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	~~Tues 02/09/25~~ Wed 03/09/25	Checked by Site / Manager		

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 12°C 1002mb	Dry 17C 1005mb	Dry 17°C 1010mb
Wind • Speed? • Direction?	N 3mph	W 11mph	W 6mph
Noise Readings	N_1: 68.7 72.0 N_2: N_3: 74.8 80.1 N_4: 70.8 76.3 N_5: N_6: 60.4 65.4 N_7:	N_1: 72.6 76.7 N_2: N_3: 75.7 79.4 N_4: 77.4 82.5 N_5: N_6: 60.1 63.5 N_7:	N_1: 75.3 80.9 N_2: N_3: 73.4 79.1 N_4: 68.7 73.7 N_5: N_6: 63.1 66.2 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB →		→
Monitoring • Any sampling/monitoring undertaken?	NDU →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]
Day & Date	04/09/25 Thur	Checked by Site / Manager	

C&R civil-remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 10°C 1018mb	Dry 19°C 1019mb	Dry 19°C 1021mb
Wind • Speed? • Direction?	WSW 7mph	WSW 10mph	SE 4mph
Noise Readings	N_1: 69.8 75.6 N_2: N_3: 71.0 74.8 N_4: 76.2 80.6 N_5: N_6: 63.2 68.2 N_7:	N_1: ~~73.6~~ 68.2 74.1 N_2: N_3: 78.2 82.8 N_4: 78.0 82.4 N_5: 61.5 65.7 N_6: N_7:	N_1: 68.7 72.2 N_2: N_3: 73.2 79.2 N_4: 75.3 78.8 N_5: N_6: 59.3 63.8 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	PB →		→
Monitoring • Any sampling/monitoring undertaken?	NDU →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]		
Day & Date	Fri 05/09	**Checked by Site / Manager**			

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE. BY DESIGN



City Works 4

Weekly Environmental Report, No. 16

Civil and Remediation Ltd.

C332/WER/001/16

September 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	15/09/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 16

Report Reference: C332/WER/001/16

Revision Number: 001

Issue Date: 15th September 2025

Author: Tom Magee BSc (Hons) FGS MCIWEM (Geoenvironmental Manager, C&R: Environmental Ltd.)

Checked By: Aron Rowley (Project Engineer, C&R Ltd.)

Approved By: Jack Rowley FCICES MIVM (Managing Director, C&R Ltd)

Client: Network Space,
Centrix House,
26 Crow Lane East,
Newton-le-Willows,
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Principal Contractor: Bansco,
Pure House,
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Remediation Contractor: Civil and Remediation Ltd.,
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3 Chapel Street
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Contents

1.0 Week 16 Scope of Works Undertaken 1
2.0 Week 17 Forecast Works Anticipated 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
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4.2 Contaminated Water and Groundwater 3
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5.1 Site Works 3
5.2 Geotechnical Design (Instructed Late May 2025 to C&R) 4
6.0 Any Other Business 4
6.1 Site Visits, Attendances & Outcomes 4
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6.5 Other Technical Items of Note 5
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APPENDIX C – DAILY ENVIRONMENTAL RECORD

1.0 Week 16 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 08/09/25 to 12/09/25 (Week 16) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Dust suppression to manage dust liberation on site;
- Stone placement to the south of Unit 4 following completion of attenuation tank installation;
- Additional works remediation excavations below C&R vertical boundary of 2m bOGL in the car park area in the area to up to 5m bOGL (in area of next attenuation tank) and of the new foul drainage run;
- Continuation of remediation to the Unit 2 & 1 area (out of sequence to generate fill for the car park area west of Unit 4) including additional works 2m bOGL removing unforeseen culvert as agreed with Bansco;
- Commencement of the remediation of the Unit 1 area and additional works remediation below C&R vertical boundary of 2m bOGL due to unforeseen relict culverts;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C/ 2C general fill materials for reengineering works;
- Topsoil strip and remediation using light plant to Unit 1 & 2 north due to live drainage constraint; and,
- Continuation of drainage around the Unit 4 area out of sequence and subsequent foul drainage installation to the new design out of sequence.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 17 Forecast Works Anticipated

The anticipated works in Week 17 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;
- Continued 6F2 placement in the completed car park area following Additional Works remediation and out of sequence drainage installation completion;
- Continuation of the drainage works out of sequence;
- Hotspot excavation to quarantine works with follow on validation testing; and,
- Continued remediation of the Units 1 & 2 areas.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0					
Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	70.5	79.8	N	No exceedances.
NM2	North east	74.0	84.2	N	No exceedances.
NM3	South east	73.3	82.6	N	No exceedances.
NM4	West	66.1	73.9	N	No exceedances.

No exceedances were recorded during Week 16.

3.2 Vibration Monitoring

A summary of the measured vibration levels at the relevant monitoring locations over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0					
Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB6	Centre	1.5	0.552	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01 respectively).

4.1 Contaminated Soils & Materials

No contaminated soils or materials have been encountered during Week 16.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 16, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now substantially complete (including Units 3 & 4 & the surrounding areas), awaiting finalised MOT to the Unit 3 area.

Drainage is ongoing in the car park area west of Unit 4 – the new revised foul connection has been completed. Drainage works are progressing out of sequence around Unit 4 due to recent design change (C08).

Foundation construction for Unit 4 was completed during Week 15.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works have now progressed to Unit 2 & Unit 1 areas with the removal of relict slabs and foundations along the southern boundary & reengineering works to bring the area back up to level. These works have been completed out of sequence to generate fill for the car park area due to volume loss of general fill materials from Instructed Additional Works to date.

Note the attenuation tank to the west of Unit 4 has been excavated during Week 16, including Additional Works remediation to 5m bOGL to facilitate the install.

See C332/WRD/016 in Appendix B for a full display of works complete up to 12/09/25.

5.2 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

BWB are now establishing their works and order directly with Network Space, which may be the reason for the slight delay in their document issue.

C&R agreed to issue a Technical Note around our revised approach to capture earthworks efficiencies, for BWB to consider within their earthworks specifications. See Technical Note C332.TN.EW.001 for reference.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Baines and Dave (Site Manager) from Bansco have been on site overseeing the works Monday to Friday during Week 16.

6.2 Complaints and Resolution Actions Completed

No complaints were received during week 16.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 16.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 08/07/25.

6.4 Long Lead In/ Early Warning Record

We are in receipt of the latest drainage design (C08) issued Friday 15/08/25, which we are currently in the process of reviewing. Note that drainage is still progressing out of sequence due to the impact of revisions to date.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

New stats ducting infrastructure locations currently at large due to clashes with proposed and existing drainage.

6.5 Other Technical Items of Note

No other technical items of note are recorded during Week 16.

6.6 Any Other Business

Note site cleaner employed as Instructed for and on behalf of Bansco team.

Design team meeting held on site during Week 16.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 16
08/09/25 - 12/09/25



Unit 2 remediation and reengineering works continue.



Unit 1 remediation and reengineering commences out of sequence to generate fill materials for Unit 2, including additional works relict culvert removal.



Unit 1 north stripped to formation using small plant due to live drainage in area, out of sequence to generate fill for Unit 2.



Additional works installation of MOT to extend area of car park as Instructed by Bansco.



Draainage works continue to new foul design. Note additional works remediation due to depth of foul in car park area.



Attenuation tank west of unit 4 excacation complete including additional works remediation below C&R contractural boundary of 2m BGL.



Progress of the works as at 2pm 12/09/25. See C332/WRD/016 for further information. Dave & Dave (Bansco) on site Monday to Friday overseeing the works.

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Drawing Number C332/WRD/016

Rev A

Note additional remediation due to attenuation tank depth (up to 5m bOGL).

Note additional works outside C&R vertical boundary in car park area agreed with Bansco due to new foul drainage location.



Note additional works new compound No. 3 established to facilitate remainder of the remediation with further additional works to extend MOT for compound area during Week 16.

Note additional works removing relict culverts.

Note foundations complete in Week 15.

C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- 6F2 stockpile on site produced from recovered oversize hardstanding and relict foundations.
- Area completed in accordance with the *MCHW* Series 600 with 6F2 layer and MOT layer.
- Remediation and stoning up complete, awaiting MOT finalisation.
- Remediation works ongoing.

Note assessments ongoing by BWB to mitigate Landpac, cement stabilisation and ground gas CS2 requirements following bulk assessment of ground condtions.

Read in conjunction with Weekly Environmental Report No. 16 (C332/WER/001/16) for full breakdown of works during week 16 (Section 1.0).

Rev	Date	Description
A	12/09/25	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 16

Project Code C332
Scale 1: 600 (approx.)
Date Drawn 12/09/25
Drawn By TM
Reviewed By AR
Original Size A3

Drawing Number C332/WRD/016
Rev A

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

C&R civil remediation ltd	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry DRZ 11°C 1014mb	Wet 18°C 1015mb	Dry 16°C 1016mb
Wind • Speed? • Direction?	SSW 7mph	SSW 9mph	N 3mph
Noise Readings	N_1: 72.9 77.6 N_2: N_3: 74.7 79.3 N_4: 69.7 74.4 N_5: N_6: 64.7 69.3 N_7:	N_1: 71.1 76.9 N_2: N_3: 74.0 77.6 N_4: 75.0 78.1 N_5: 68.1 73.9 N_6: N_7:	N_1: 70.7 74.9 N_2: N_3: 71.4 75.6 N_4: 72.3 77.9 N_5: N_6: 67.5 70.7 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB+D →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Mon 08/09/25	Checked by Site / Manager		

C&R civil remediation.com	**ENVIRONMENTAL DAILY RECORD**	**FORM E201**

Site	City Works	**Project Code**	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 11°C 1015mb	Dry 19°C 1013mb	Dry 19°C 1010mb
Wind • Speed? • Direction?	SSE 6mph	S 7mph	SE 4mph
Noise Readings	N_1: 68.6 73.3 N_2: N_3: 77.1 80.6 N_4: 73.3 77.6 N_5: 63.6 68.4 N_6: N_7:	N_1: 70.4 75.6 N_2: 73.5 78.8 N_3: N_4: 73.7 79.3 N_5: 67.6 73.5 N_6: N_7:	N_1: 69.1 75.0 N_2: N_3: 78.2 84.2 N_4: 78.9 82.6 N_5: 68.6 73.1 N_6: N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DBS+P →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	**Signature**	[redacted]
Day & Date	Tues 09/09/25	**Checked by Site / Manager**	

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 15°C 1001mb	Dry 19°C 997mb	Dry 16°C 996mb
Wind • Speed? • Direction?	SE 8mph	S 6mph	SSW 7mph
Noise Readings	N_1: 73.0 78.5 N_2: N_3: 76.0 79.2 N_4: 74.6 80.2 N_5: 63.5 69.4 N_6: N_7:	N_1: 68.3 71.7 N_2: N_3: 68.4 73.7 N_4: 68.6 73.3 N_5: 66.2 71.0 N_6: N_7:	N_1: 72.4 76.6 N_2: N_3: 74.6 77.8 N_4: 78.0 82.0 N_5: N_6: 65.3 68.6 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB+D →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Wed 10/09/25	Checked by Site / Manager		

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 10°C 998mb	Dry 17°C 998mb	Dry 13°C 1000mb
Wind • Speed? • Direction?	SSW 10mph	SW 14mph	SW 9mph
Noise Readings	N_1: 74.3 79.8 N_2: N_3: 76.0 80.2 N_4: 70.1 74.1 N_5: N_6: 64.9 70.2 N_7:	N_1: 72.9 78.6 N_2: N_3: 72.1 76.7 N_4: 77.9 81.1 N_5: N_6: [illegible] N_7: 65.5 70.5	N_1: 71.2 76.5 N_2: 74.6 78.0 N_3: N_4: 71.1 75.4 N_5: N_6: 63.1 68.6 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB+D →	→	→
Monitoring • Any sampling/monitoring undertaken?	NDV →	→	→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fenc Dust →	→	→
PID Readings • Working Areas • Site Boundary • Receptors	NA →	→	→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Thurs 11/09/25	Checked by Site / Manager		

C&R	ENVIRONMENTAL DAILY RECORD	FORM E201

Site	City Works	Project Code	C332
Client	Bansco		

	08:30	13:00	17:30
Weather • Wet/Dry? • Temperature? • Pressure?	Dry 19°C 1005mb	Dry 18°C 1007 mb	Dry 16°C 1007 mb
Wind • Speed? • Direction?	SSW 11mph	SW 16mph	SSW 7mph
Noise Readings	N_1: 66.2 70.4 N_2: 72.6 77.7 N_3: 69.6 75.0 N_4: N_5: N_6: 67.6 72.7 N_7:	N_1: 65.7 71.0 N_2: 77.6 82.1 N_3: 74.6 78.6 N_4: N_5: N_6: 68.4 72.6 N_7:	N_1: 70.1 74.3 N_2: 68.4 73.3 N_3: 72.7 76.7 N_4: N_5: N_6: 66.5 72.2 N_7:
Mud, Dust • Issues? • Suppression in use? • Wheel wash in use? • Road Cleaning in use? • Stockpiles well managed? • Dustboss Deployed?	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA	No Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA Yes/No/NA
Odour • Any noticeable odour at site boundary? • Effective management of potentially odorous activities? • Suppression systems in operation? • Nuisance Location?	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA	Yes/No/NA Yes/No/NA Yes/No/NA
Visits • Regulatory Visit eg. EA, EHO, HSE etc • Client, Professional Team	DB+D →		→
Monitoring • Any sampling/monitoring undertaken?	NDV →		→
Inspections • Perimeter Fencing • Surface Water Management • Highways Defects	Fence Dust →		→
PID Readings • Working Areas • Site Boundary • Receptors	NA →		→

Details of Nuisance, Issues and Mitigating Measures

Time	Activity	Comments & Observations	Samples/Tests	Photographs

Person Completing Form	TM	Signature	[redacted]	
Day & Date	Fri 12/09/25	Checked by Site / Manager		

CIVIL AND REMEDIATION: ENVIRONMENTAL

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City Works 4

Weekly Environmental Report, No. 17

Civil and Remediation Ltd.

C332/WER/001/17

September 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	22/09/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 17

Report Reference: C332/WER/001/17

Revision Number: 001

Issue Date: 22nd September 2025

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Contents

1.0 Week 16 Scope of Works Undertaken 1
2.0 Week 17 Forecast Works Anticipated 1
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 3
5.0 Remediation, Earthworks and Geotechnics 3
5.1 Site Works 3
5.2 Geotechnical Design (Instructed Late May 2025 to C&R) 4
6.0 Any Other Business 5
6.1 Site Visits, Attendances & Outcomes 5
6.2 Complaints and Resolution Actions Completed 5
6.3 Health, Safety and Welfare 5
6.4 Long Lead In/ Early Warning Record 5
6.5 Other Technical Items of Note 5
6.6 Any Other Business 5
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD

1.0 Week 17 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 15/09/25 to 19/09/25 (Week 17) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Dust suppression to manage dust liberation on site;
- Installation of the attenuation tank to the west of Unit 4;
- Additional works remediation excavations below C&R vertical boundary of 2m bOGL in the Unit 1 & 2 area as agreed with Bansco;
- Continuation of remediation to the Unit 2 & 1 area out of sequence;
- Screening of Made Ground to remove Class U1 materials and segregate Class 1C/ 2C general fill materials for reengineering works;
- Excavation of the TCE hotspots at WS02a and TP11 including delineation, validation sampling and quarantine of materials for retesting;
- Additional works installation of ducting as Instructed during Week 17;
- Additional works installation of the plinth as Instructed during Week 17;
- Continued inspections of the potential asbestos impacted soils area and validation sampling; and,
- Continuation of drainage around the Unit 4 area out of sequence and subsequent foul drainage installation to the new design out of sequence.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 18 Forecast Works Anticipated

The anticipated works in Week 18 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;
- Continued 6F2 placement in the completed car park area following Additional Works remediation and out of sequence attenuation installation completion;
- Continuation of the drainage works out of sequence; noting unforeseen drainage in Unit 1 area and more deep tunnels with an agreement to make levels work to avoid import or disposals
- Continued remediation of the Units 1 & 2 areas out of sequence.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	71.1	79.4	N	No exceedances.
NM2	North east	74.8	83.7	N	No exceedances.
NM3	South east	73.7	83.8	N	No exceedances.
NM4	West	66.0	74.0	N	No exceedances.

No exceedances were recorded during Week 17.

3.2 Vibration Monitoring

A summary of the measured vibration levels at the relevant monitoring locations over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0

Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB6	Centre	1.5	0.326	N	No exceedances.

N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01 respectively).

4.1 Contaminated Soils & Materials

On Friday 19th September the two TCE hotspots identified in the RPS site investigation and C&Rs trial pitting gap site investigation, attributed to locations WS02a and TP11, were excavated under a watching brief from C&Rs geoenvironmental manager.

The hotspots have been delineated on a 25m2 area with material excavated sent to quarantine.

The walls and base of the hotspots have been sent for validation testing, along with the quarantined materials.

Results shall be provided when obtained from the laboratory.

The asbestos area to the far west of the site has been excavated under watching brief from C&Rs Geoenvironmental Engineer. It is noted that fragements of asbestos have not been observed in bulk conditions, indicating that the original identification of these materials may have been in isolated, sporadic pockets.

Validation samples of the soil in this area have been taken and sent to the laboratory for analysis. Results will be provided in due course.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 17, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now substantially complete (including Units 3 & 4 & the surrounding areas), awaiting finalised MOT to the Unit 3 area.

Drainage is ongoing around Unit 4 – the new revised foul connection has been completed. Drainage works are progressing out of sequence around Unit 4 due to recent design change (C08).

Foundation construction for Unit 4 was completed during Week 15.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works have now progressed to Unit 2 & Unit 1 areas with the removal of relict slabs and foundations along the southern boundary & reengineering works to bring the area back up to level. These works have been completed out of sequence to generate fill for the car park area due to volume loss of general fill materials from Instructed Additional Works to date.

Note the attenuation tank to the west of Unit 4 has been installed during Week 17.

See C332/WRD/017 in Appendix B for a full display of works complete up to 19/09/25.

5.2 Geotechnical Results

Geotechnical results are presented in Appendix D below for samples of imported fill and site won fill materials. All results are compliant with the material specifications and required moisture contents for suitable reengineering.

5.3 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

BWB are now establishing their works and order directly with Network Space, which may be the reason for the slight delay in their document issue.

C&R agreed to issue a Technical Note around our revised approach to capture earthworks efficiencies, for BWB to consider within their earthworks specifications. See Technical Note C332.TN.EW.001 for reference.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Baines and Dave (Site Manager) from Bansco have been on site overseeing the works Monday to Friday during Week 17.

6.2 Complaints and Resolution Actions Completed

No complaints were received during week 17.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 17.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 08/07/25.

C&R have had an external safety audit from our independent, third party advisor during Week 17.

6.4 Long Lead In/ Early Warning Record

We are in receipt of the latest drainage design (C08) issued Friday 15/08/25, which we are currently in the process of reviewing. Note that drainage is still progressing out of sequence due to the impact of revisions to date.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

6.5 Other Technical Items of Note

The draft validation report has been produced and circulated to BWB & Bansco, as the earthworks are now substantially complete and will be fully complete within the next 2-3 weeks. This report shall close the MMP and form part of the condition discharge requirements. As-builts and final test data is being consolidated currently, and we are anticipating one further weekly report (week 18) before completion.

6.6 Any Other Business

Note site cleaner employed as Instructed for and on behalf of Bansco team.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 17
15/09/25 - 19/09/25



Attenuation tank to Unit 4 Car Park west installed.



Unit 1 remediation continues out of sequence including Additional Works relict culvert removal below C&R 2m vertical boundary.



Saw cut and remediate to boundary in advance of road works.



Additional works ducting installed as instructed during week 16.





Hotspots WS02a and TP11 excavated and quarantined. Samples taken for validation and sent to the laboratory.



Drone progress as of 2PM 19/09/25. See C332/WRD/017 for more information.

Note: drainage works ongoing out of sequence due to design changes.
Note: Additional stair plinth base installed as Instructed during Week 16.

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Rev A

Drawing Number C332/WRD/017

Note attenuation tank installed.

Note additional works ducting installed as Instructed during Week 16.



Note additional works new compound No. 3 established to facilitate remainder of the remediation with further additional works to extend MOT for compound area during Week 16.

Note additional works removing relict culverts.

Note foundations complete in Week 15, additional foundation instructed and completed Week 17.

North

C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- 6F2 stockpile on site produced from recovered oversize hardstanding and relict foundations.
- Area completed in accordance with the *MCHW* Series 600 with 6F2 layer and MOT layer.
- Remediation and stoning up complete, awaiting MOT finalisation.
- Remediation works ongoing.

Note assessments ongoing by BWB to mitigate Landpac, cement stabilisation and ground gas CS2 requirements following bulk assessment of ground condtions.

Read in conjunction with Weekly Environmental Report No. 17 (C332/WER/001/17) for full breakdown of works during week 17 (Section 1.0).

Rev	Date	Description
A	19/09/25	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 17

Project Code	C332	Scale	1: 600 (approx.)
		Date Drawn	19/09/25
		Drawn By	TM
		Reviewed By	AR
		Original Size	A3

Drawing Number C332/WRD/019 Rev A

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX C – DAILY ENVIRONMENTAL RECORD

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN

APPENDIX D – GEOTECHNICAL RESULTS

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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-72 Report Date: 18/09/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4, Manchester

Client Ref.*: GT/F/1/2 Lab Ref: Lab 25/1920
Date Sampled* 05/08/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 42
Date Received: 11/09/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Gravel with Sand & Clay (2C)

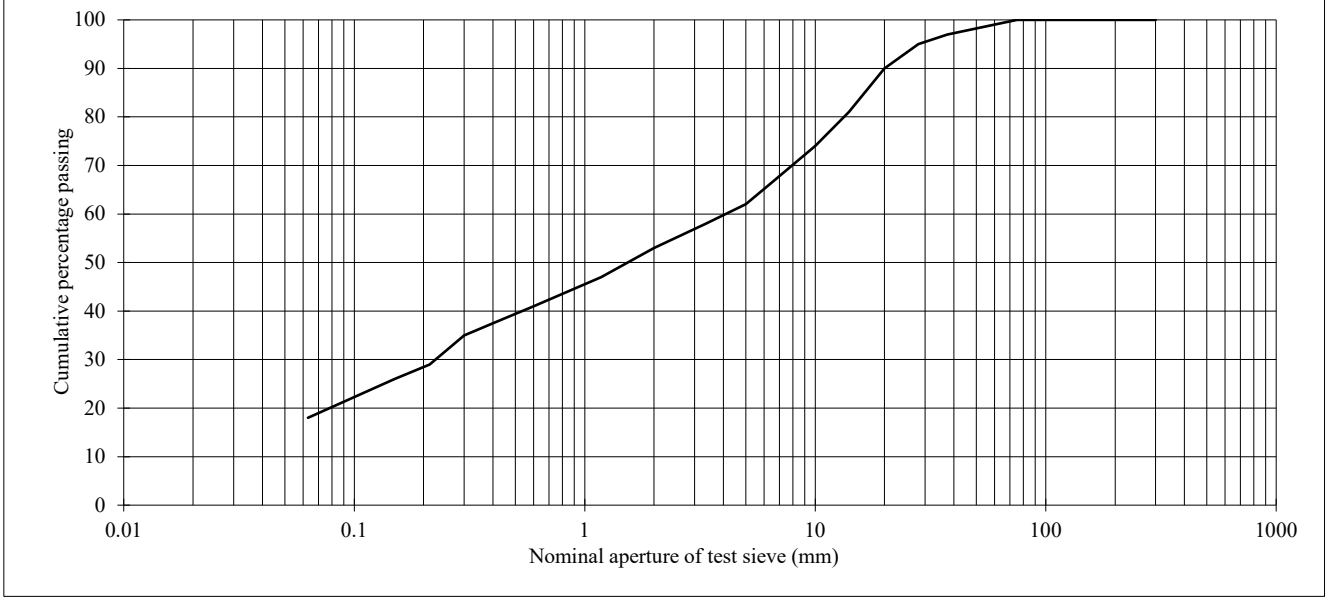
Date of Test: 12/09/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
300	100	
125	100	100
90	100	
75	100	
37.5	97	
28	95	
20	90	
14	81	
10	74	
6.3	66	
5.0	62	
3.35	58	
2.00	53	15 - 80
1.18	47	
0.600	41	
0.425	38	
0.300	35	
0.212	29	
0.150	26	
0.063	18	15 - 80

18% Silt & Clay	35% Sand	47% Gravel	0% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
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Decision rule - Any uncertainty is taken into consideration within the test standard and reporting method.
Results relate only to the sample tested. * Information supplied by client.

Signed [redacted] J. Wright (Lab Section Manager)

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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-73 Report Date: 18/09/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4, Manchester

Client Ref.*: GT/F/1/3 Lab Ref: Lab 25/1921
Date Sampled* 08/08/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 42
Date Received: 11/09/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Brown Clay (2A)

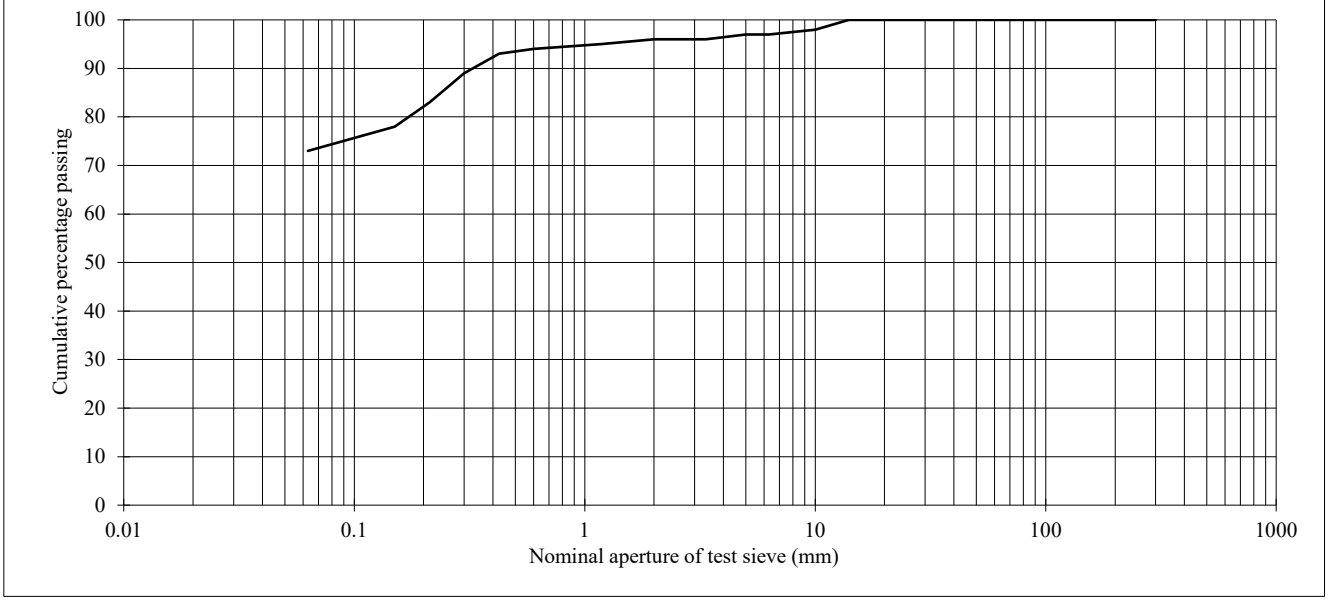
Date of Test: 12/09/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
300	100	
125	100	100
90	100	
75	100	
37.5	100	
28	100	
20	100	
14	100	
10	98	
6.3	97	
5.0	97	
3.35	96	
2.00	96	80 - 100
1.18	95	
0.600	94	
0.425	93	
0.300	89	
0.212	83	
0.150	78	
0.063	73	15 - 100

73% Silt & Clay	23% Sand	4% Gravel	0% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-74 Report Date: 18/09/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4, Manchester

Client Ref.*: GT/F/1/4 Lab Ref: Lab 25/1922
Date Sampled* 14/08/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 50
Date Received: 11/09/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Gravel with Sand & Clay (2C)

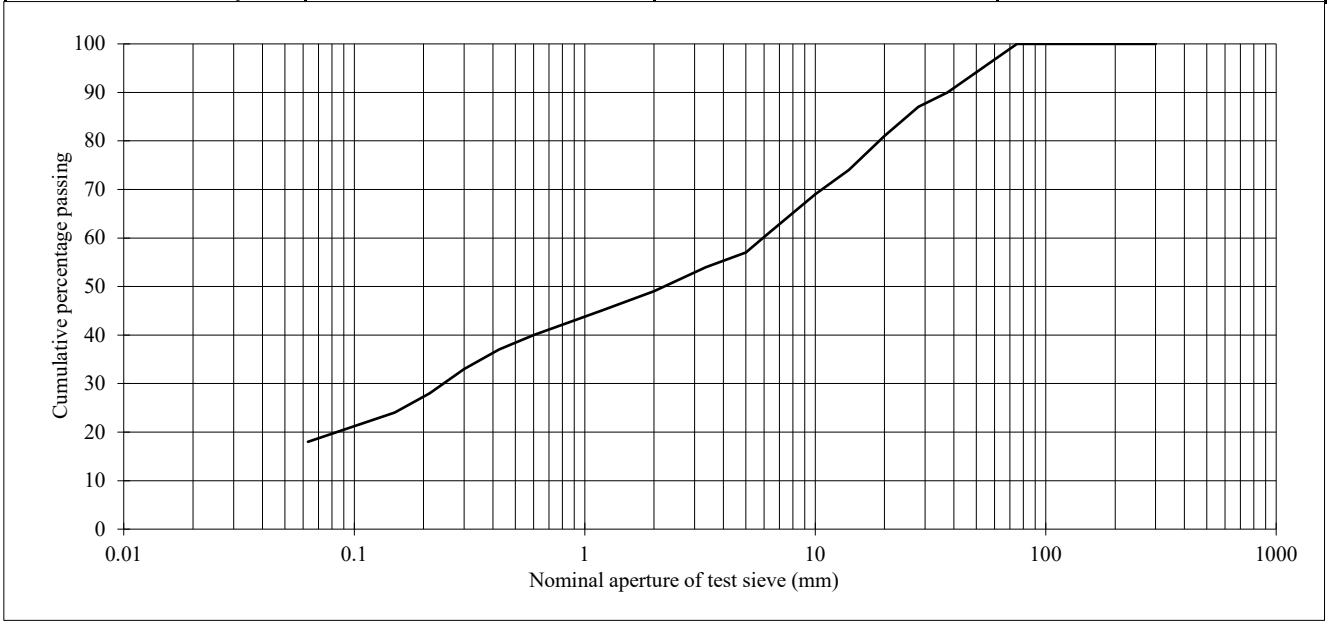
Date of Test: 12/09/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
300	100	
125	100	100
90	100	
75	100	
37.5	90	
28	87	
20	81	
14	74	
10	69	
6.3	61	
5.0	57	
3.35	54	
2.00	49	15 - 80
1.18	45	
0.600	40	
0.425	37	
0.300	33	
0.212	28	
0.150	24	
0.063	18	15 - 80

18% Silt & Clay	31% Sand	51% Gravel	0% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
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Signed [redacted]

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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-75 Report Date: 18/09/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4, Manchester

Client Ref.*: GT/F/1/5 Lab Ref: Lab 25/1923
Date Sampled* 08/09/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 48
Date Received: 11/09/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Brown Clay & Gravel (2C)

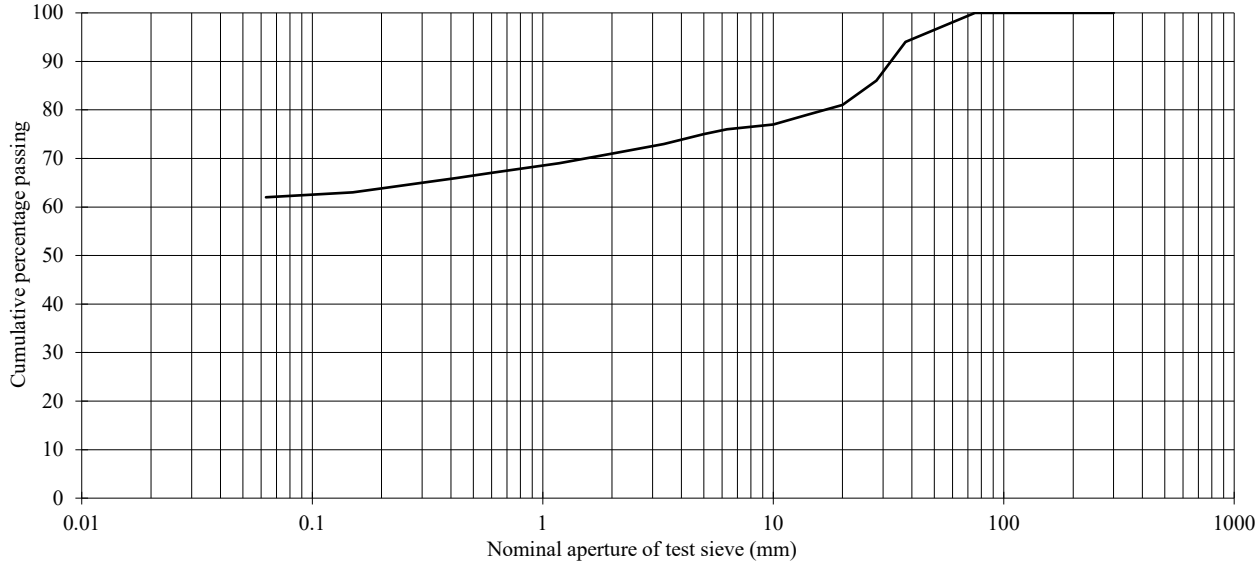
Date of Test: 12/09/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
300	100	
125	100	100
90	100	
75	100	
37.5	94	
28	86	
20	81	
14	79	
10	77	
6.3	76	
5.0	75	
3.35	73	
2.00	71	15 - 80
1.18	69	
0.600	67	
0.425	66	
0.300	65	
0.212	64	
0.150	63	
0.063	62	15 - 80

62% Silt & Clay	9% Sand	29% Gravel	0% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
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TEST REPORT

Determination of Particle Size Distribution

Report No.: TD25-C-04-A-76 Report Date: 18/09/25
Client: Civil & Remediation
Client Address: Grosvenor House, 3 Chapel Street, Cheshire, CW12 4AB
Site: City 4, Manchester

Client Ref.*: GT/1F/1/1 Lab Ref: Lab 25/1924
Date Sampled* 11/08/25 Sample Type: Bulk
Sampled By: Client Mass (kg): 52
Date Received: 11/09/25

Location*: Not Advised
Supplier*: Client Source*: Site Won
Description: Brown Clay (2A)

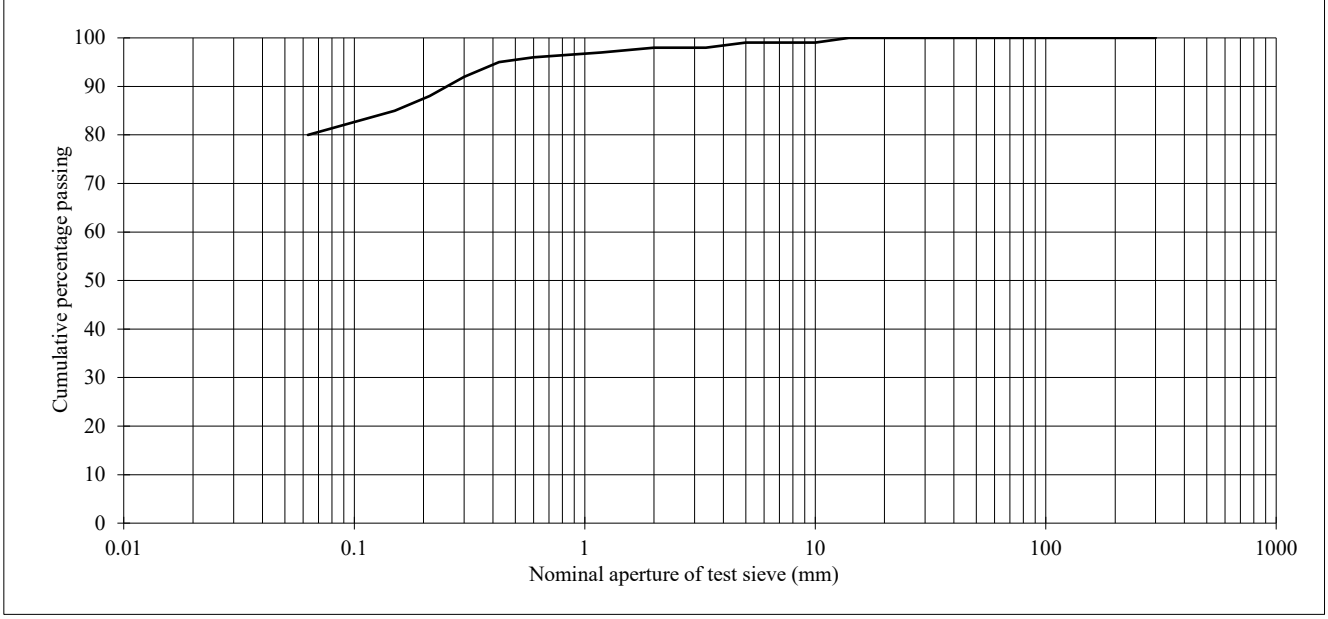
Date of Test: 12/09/25
Test Method: Washing and Sieving
Method of Preparation: BS 1377-1 & 2 : 1990
Material Specification: SHW Series 600 Table 6/2

Remarks: Sample complies with specification

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
300	100	
125	100	100
90	100	
75	100	
37.5	100	
28	100	
20	100	
14	100	
10	99	
6.3	99	
5.0	99	
3.35	98	
2.00	98	80 - 100
1.18	97	
0.600	96	
0.425	95	
0.300	92	
0.212	88	
0.150	85	
0.063	80	15 - 100

80% Silt & Clay	18% Sand	2% Gravel	0% Cobbles



Certified that the Particle Size Distribution was determined in accordance with BS 1377-2:1990, Method 9.2
Where sampling was not carried out by TD Construction Testing Ltd, the results relate to the sample as received.
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Decision rule - Any uncertainty is taken into consideration within the test standard and reporting method.
Results relate only to the sample tested. * Information supplied by client.

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TEST REPORT

Determination of Moisture Content to BS 1377-2:1990

Report No:	TD25-C-04-A-65	Report Date:	16/09/2025
Client:	Civil & Remediation	Date Sampled:	Various
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB	Sampled By:	TD
Site:	City 4, Manchester	Date Received:	11/09/2025
Supplier/Source:	Client / Site Won	Date Tested:	12/09/2025

Laboratory Reference	Client Reference*	Sample Location*	Material Description	Moisture Content %	Remarks
25/1920	GT/F/1/2 - 05/08/25	Not Advised	Gravel with Sand & Clay	21	-
25/1921	GT/F/1/3 - 08/08/25	Not Advised	Brown Clay	19	-
25/1922	GT/F/1/4 - 14/08/25	Not Advised	Gravel with Sand & Clay	24	-
25/1923	GT/F/1/5 - 08/09/25	Not Advised	Brown Clay & Gravel	20	-
25/1924	GT/IF/1/1 - 11/08/25	Not Advised	Brown Clay	19	-

Certified that the testing was conducted in accordance with BS 1377-2:1990 Clause 3.2 at 105˚C unless stated

Sample preparation in accordance with BS 1377-1:2016

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Comments/Deviations:

Signe [redacted]	J. Wright (Lab Section Manager)

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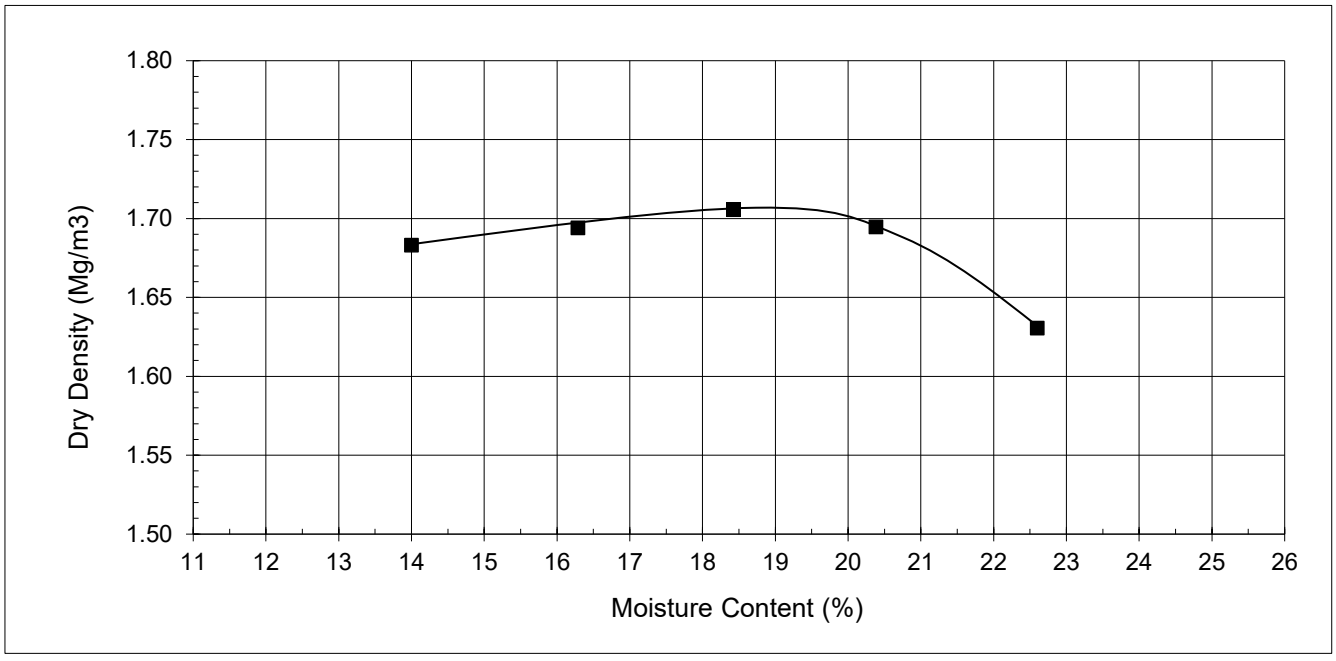
8011

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TEST REPORT

Determination of Dry Density/Moisture Content Relationship

Report No.:	TD25-C-04-A-66	Date Reported:	16/09/25
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester	Lab Ref:	25/1921
Location*:	N/A	Client Sample Ref*:	GT/F/1/3
Type of Sample:	Bulk	Sampled By:	TD
Sample Description:	Brown Clay	Date Sampled:	08/08/2025
Material Source*:	Client / Site Won	Date Received:	11/09/2025
Particle Density Mg/m^3:	N/A	Date Tested:	15/09/2025
Amount Retained on 20mm Sieve:	0%	Specimen Type:	Single
Amount Retained on 37.5mm Sieve:	0%	Rammer Type:	2.5kg
As Received Moisture Content (%):	19	Grading Zone:	1
Optimum Moisture Content (%):	**19**	Preparation Procedure:	3.2.4.1
Maximum Dry Density (Mg/m^3):	**1.71**	Sieved On:	20mm



Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.3

Particle Density not requested therefore Air Void Lines have not been plotted.

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Deviations/Comments:

Signed: [redacted]

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Merseyside
WA10 2SD

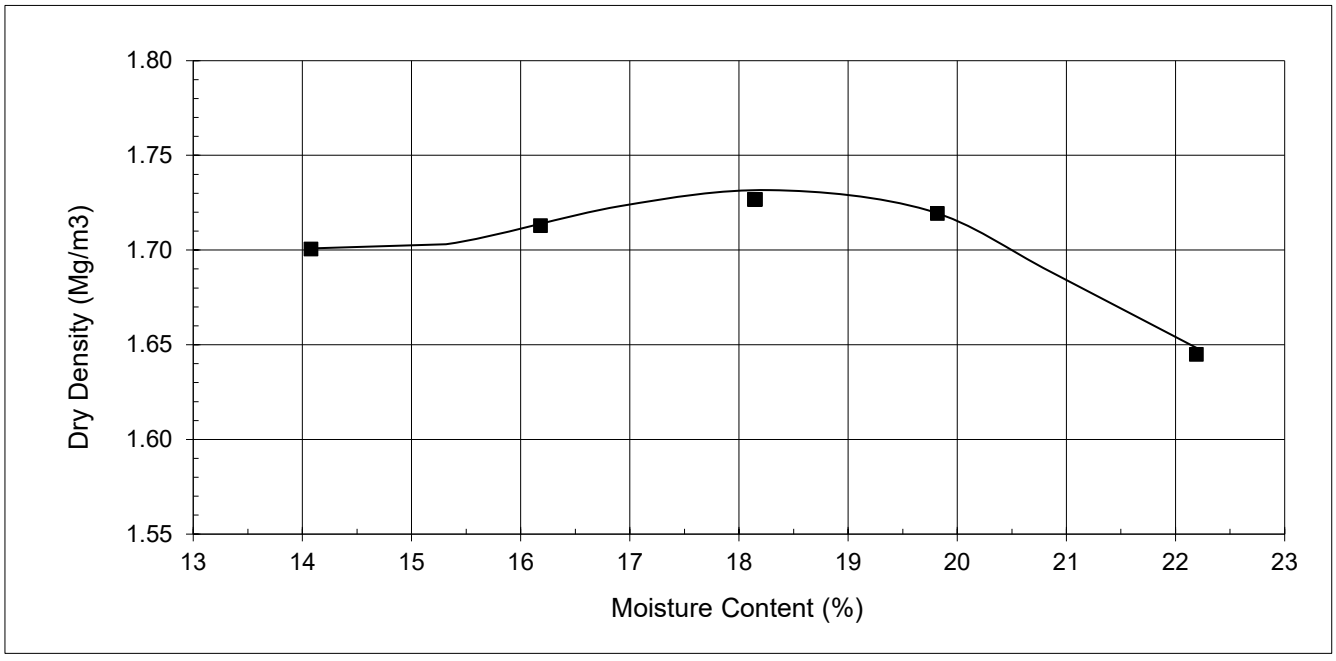
T: 01744 734769
E: enquiries@tdconstructiontesting.co.uk

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TEST REPORT

Determination of Dry Density/Moisture Content Relationship

Report No.:	TD25-C-04-A-67	Date Reported:	16/09/25
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester	Lab Ref:	25/1924
Location*:	N/A	Client Sample Ref*:	GT/IF/1/1
Type of Sample:	Bulk	Sampled By:	TD
Sample Description:	Brown Clay	Date Sampled:	11/08/2025
Material Source*:	Client / Site Won	Date Received:	11/09/2025
Particle Density Mg/m^3:	N/A	Date Tested:	15/09/2025
Amount Retained on 20mm Sieve:	0%	Specimen Type:	Single
Amount Retained on 37.5mm Sieve:	0%	Rammer Type:	2.5kg
As Received Moisture Content (%):	19	Grading Zone:	1
Optimum Moisture Content (%):	**19**	Preparation Procedure:	3.2.4.1
Maximum Dry Density (Mg/m^3):	**1.73**	Sieved On:	20mm



Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.3

Particle Density not requested therefore Air Void Lines have not been plotted.

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Deviations/Comments:

Signed [redacted]

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Merseyside
WA10 2SD

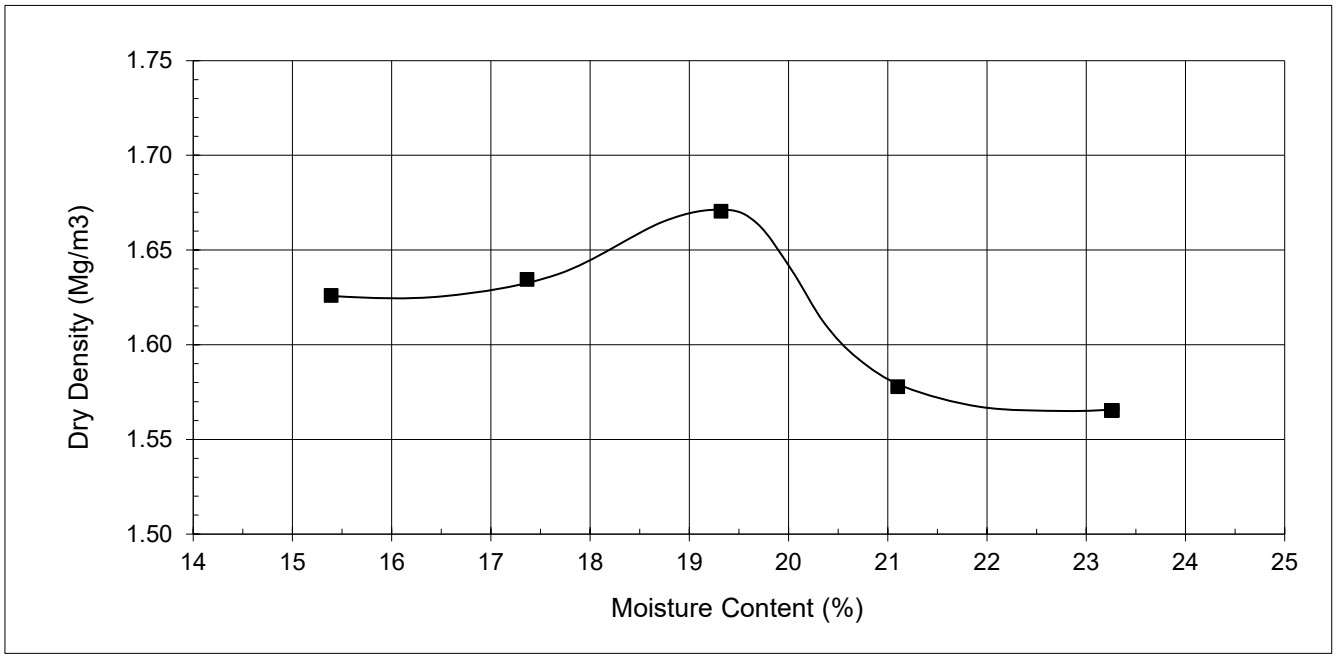
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E: enquiries@tdconstructiontesting.co.uk

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TEST REPORT

Determination of Dry Density/Moisture Content Relationship

Report No.:	TD25-C-04-A-68	Date Reported:	17/09/25
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester	Lab Ref:	25/1920
Location*:	N/A	Client Sample Ref*:	GT/F/1/2
Type of Sample:	Bulk	Sampled By:	TD
Sample Description:	Gravel with Sand & Clay	Date Sampled:	05/08/2025
Material Source*:	Client / Site Won	Date Received:	11/09/2025
Particle Density Mg/m^3:	N/A	Date Tested:	15/09/2025
Amount Retained on 20mm Sieve:	16%	Specimen Type:	Single
Amount Retained on 37.5mm Sieve:	0%	Rammer Type:	2.5kg
As Received Moisture Content (%):	21	Grading Zone:	3
Optimum Moisture Content (%):	**19**	Preparation Procedure:	3.2.5.1
Maximum Dry Density (Mg/m^3):	**1.67**	Sieved On:	20mm



Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.4

Particle Density not requested therefore Air Void Lines have not been plotted.

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Deviations/Comments:

[redacted]

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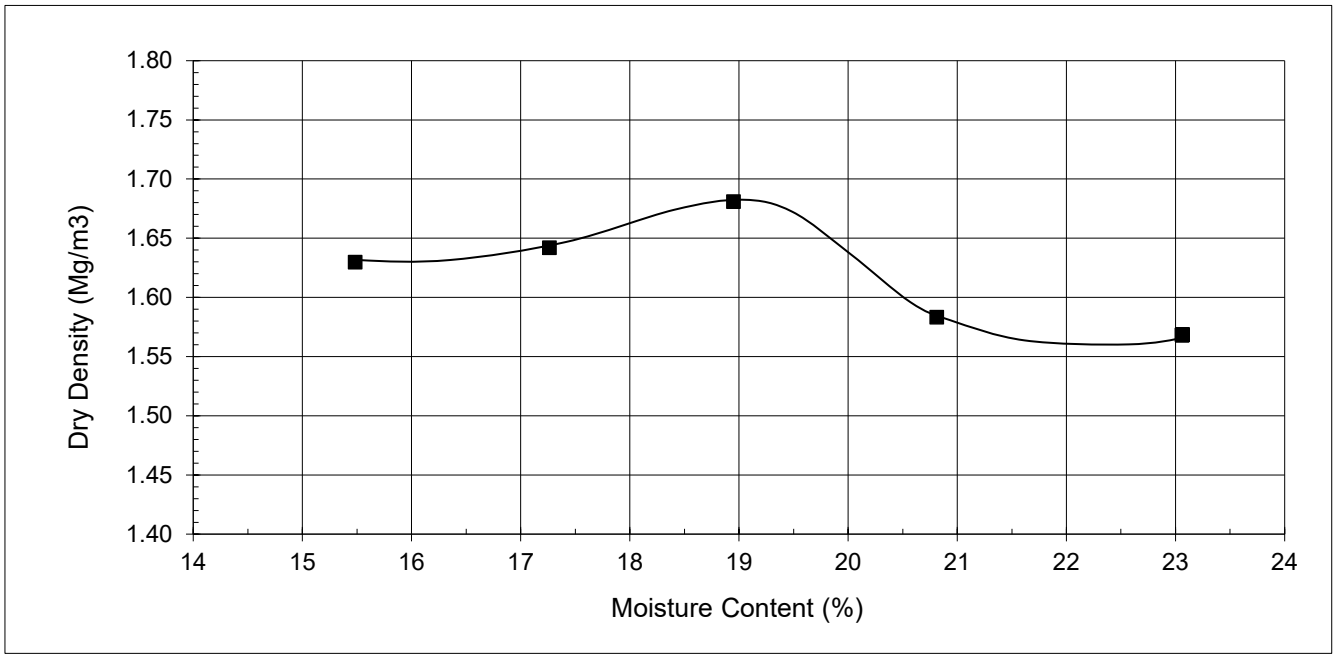
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TEST REPORT

Determination of Dry Density/Moisture Content Relationship

Report No.:	TD25-C-04-A-69	Date Reported:	17/09/25
Client:	Civil & Remediation		
Client Address:	Grosvenor House, 3 Chapel Street, Congleton, Cheshire, CW12 4AB		
Site:	City 4, Manchester	Lab Ref:	25/1923
Location*:	N/A	Client Sample Ref*:	GT/F/1/5
Type of Sample:	Bulk	Sampled By:	TD
Sample Description:	Brown Clay & Gravel	Date Sampled:	08/09/2025
Material Source*:	Client / Site Won	Date Received:	11/09/2025
Particle Density Mg/m^3:	N/A	Date Tested:	15/09/2025
Amount Retained on 20mm Sieve:	16%	Specimen Type:	Single
Amount Retained on 37.5mm Sieve:	0%	Rammer Type:	2.5kg
As Received Moisture Content (%):	20	Grading Zone:	3
Optimum Moisture Content (%):	**19**	Preparation Procedure:	3.2.5.1
Maximum Dry Density (Mg/m^3):	**1.68**	Sieved On:	20mm



Certified that the test was carried out in accordance with BS 1377-4:1990, Method 3.4

Particle Density not requested therefore Air Void Lines have not been plotted.

Sampled in accordance with IHP C146 Soil Sampling.

This report shall not be reproduced except in full without approval of the laboratory.

Results relate only to the sample tested.

* Information supplied by client.

Deviations/Comments:

Signed [redacted]

J. Wright (Lab Section Manager)

CIVIL AND REMEDIATION: ENVIRONMENTAL

SUSTAINABLE, BY DESIGN



City Works 4

Weekly Environmental Report, No. 18

Civil and Remediation Ltd.

C332/WER/001/18

September 2025

Tom Magee BSc (Hons) FGS MCIWEM

Document Revision Status

Issue	Date	Comments
001	29/09/25	Issued for Client & Regulator review.

Report title: City Works 4, Weekly Environmental Report No. 18

Report Reference: C332/WER/001/18

Revision Number: 001

Issue Date: 29th September 2025

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Contents

1.0 Week 18 Scope of Works Undertaken 1
2.0 Week 19 Forecast Works Anticipated 2
3.0 Environmental Monitoring and Management 2
3.1 Noise Monitoring 2
3.2 Vibration Monitoring 2
3.3 Dust Monitoring 3
4.0 Contamination and Chemical Results 3
4.1 Contaminated Soils & Materials 3
4.2 Contaminated Water and Groundwater 3
5.0 Remediation, Earthworks and Geotechnics 3
5.1 Site Works 3
5.2 Geotechnical Results 4
5.3 Geotechnical Design (Instructed Late May 2025 to C&R) 4
6.0 Any Other Business 4
6.1 Site Visits, Attendances & Outcomes 4
6.2 Complaints and Resolution Actions Completed 4
6.3 Health, Safety and Welfare 4
6.4 Long Lead In/ Early Warning Record 5
6.5 Other Technical Items of Note 5
6.6 Any Other Business 5
APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS
APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS
APPENDIX C – DAILY ENVIRONMENTAL RECORD

1.0 Week 18 Scope of Works Undertaken

Please read this report in accordance with the agreed & approved Construction Environmental Management Plan (ref. C332/CEMP/001/01) & the Remediation Strategy Implementation Plan (ref. C332/RSIP/001/01).

Note prior to commencement on site C&Rs lead in/ preparation period (additional geotechnical trial pitting and testing, Stats trial pitting & additional trial pits, waste collection and disposal, general site preparation, well decommissioning etc.) during which key documents have been completed, issued and agreed with the Client team and Regulators (CEMP, RSIP, MMP, all site RAMS, phasing plans, trial pit records, technical notes etc.). OGL has been checked & confirmed all controls are in place.

The scope of works between 22/09/25 to 26/09/25 (Week 18) were:

- Continuation of environmental monitoring (noise, dust and vibration) in accordance with the agreed and approved CEMP & risk-based approach;
- Dust suppression to manage dust liberation on site;
- Continued installation of Additional Works ducting;
- Continued remediation of the Units 1 & 2 area including additional works dewatering, removal of relict structures below C&Rs base of excavation for foundations and attenuation tanks and outside of the boundary;
- Erection of steel in Unit 4 under the management of Bansco;
- Unit 3 north car park stone installation following continued additional works on drainage and ducting to date;
- Installation of the traffic management and commencement of the road works on Welcomb Street;
- Unit 4 south car park stone installation following continued additional works to date on drainage and ducting;
- Drainage works ongoing including additional works to date due to design variations – drainage programme being reconsidered;
- Continuation of crushing works to completion;
- Additional works reducing ground levels for steel erectors to fit bottom beam; and,
- Additional works trial pitting around existing unforeseen drainage infrastructure in accordance with CVI10.

Please note that while Bansco get established on site, C&R are acting as the Principal Contractor to ensure the correct procedures and assessments are in place, facilitating the works and expediting the start.

2.0 Week 19 Forecast Works Anticipated

The anticipated works in Week 19 are:

- Continuation of environmental monitoring in accordance with the CEMP & risk-based approach established in the Environmental Reports;
- Continuation of the crushing works;
- Continuation of the road works;
- Continuation of the drainage works out of sequence; and,
- Continued remediation of the Units 1 & 2 areas out of sequence.

It is noted that in accordance with the CEMP, the site boundary & dust is inspected daily.

3.0 Environmental Monitoring and Management

3.1 Noise Monitoring

A summary of the measured noise levels at each monitoring location over the reporting period is given in Table 1.

Table 1 – Measured Noise Levels for Week Noted in 1.0

Location Ref	Locality Receptor to Site Boundary	Average Recorded Daytime $L_{avg\ (15\ mins)}$ (dB)	Peak Reading $L_{aeg\ (15\ mins)}$ (dB)	Threshold Value Exceeded (85dB) (Y/N)	Comments
NM1	North	69.4	79.6	N	No exceedances.
NM2	North east	72.7	80.9	N	No exceedances.
NM3	South east	72.9	83.9	N	No exceedances.
NM4	West	65.5	72.3	N	No exceedances.

No exceedances were recorded during Week 18.

3.2 Vibration Monitoring

A summary of the measured vibration levels at the relevant monitoring locations over the reporting period is given in Table 2.

Table 2 – Measured Vibration Values for Weeks Noted in 1.0					
Location Ref	Locality Receptor	Threshold Value (TV; Mm/s)	Maximum Recorded PPV Value (mm/s)	TV Exceeded (Y/N)	Comments
VB6	Centre	1.5	0.724	N	No exceedances.
N/A		1.5			

3.3 Dust Monitoring

Dust monitoring is ongoing and is monitored continuously by C&R management team. Dust observations from individual days are noted on the Daily Environmental Records in Appendix C.

4.0 Contamination and Chemical Results

Please read this section in accordance with the Ground Investigation Report (ref. 220711 R JER9536 Welcomb St Phase 2 SI V1 R0) and Remediation Strategy (ref. 22975-HYD-XX-XX-RP-GE-5001-P02) from RPS & Hydrock respectively, & the Gap SI & Remediation Strategy Implementation Plan from C&R (ref: C332/TN/TP/001/01 & C332/RSIP/001/01 respectively).

4.1 Contaminated Soils & Materials

No unexpected soils contamination has been encountered during Week 18.

C&R are awaiting the final results from the hotspot excavations and this will close out all contaminated land related concerns on site.

4.2 Contaminated Water and Groundwater

No contaminated water or groundwater has been encountered during Week 18, and none is anticipated on site based on the ground investigations.

5.0 Remediation, Earthworks and Geotechnics

5.1 Site Works

The eastern portion of the site is now substantially complete (including Units 3 & 4 & the surrounding areas), awaiting finalised MOT to the Unit 3 area.

Drainage is ongoing around Unit 4 – the new revised foul connection has been completed. Drainage works are progressing out of sequence around Unit 4 due to continued design changes.

Foundation construction for Unit 4 was completed during Week 15. Steel erection by Bansco has commenced during Week 18.

Below slab aggregates have been recovered to stockpile for conformance testing prior to reuse on site.

Remediation works continue within the Units 2 & 1 areas, including additional works removal of relict foundations and structures below C&Rs vertical boundary of 2m to remove tunnels clashing with drainage infrastructure, foundations and works outside of the boundary to make safe existing relict structures within the influencing distance of the foundations.

See C332/WRD/018 in Appendix B for a full display of works complete up to 26/09/25.

5.2 Geotechnical Results

All geotechnical results have now been provided for the site, save for final plate testing results from below Units 2 & 1 at underside of foundation and underside of slab.

5.3 Geotechnical Design (Instructed Late May 2025 to C&R)

C&R proposal with compaction & reengineering agreed at Tender in March 2025 in principle.

BWB issued letter of comfort on 18th June 2025.

BWB formal proposal around redesign issued to the Client team with Landpac proposal on the 19th of June 2025.

BWB and C&R option discussed again with Hydrock on 19th June 2025 in the Design Team Meeting.

BWB are now establishing their works and order directly with Network Space, which may be the reason for the slight delay in their document issue.

C&R agreed to issue a Technical Note around our revised approach to capture earthworks efficiencies, for BWB to consider within their earthworks specifications. See Technical Note C332.TN.EW.001 for reference.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

6.0 Any Other Business

6.1 Site Visits, Attendances & Outcomes

David Baines and Dave (Site Manager) from Bansco have been on site overseeing the works Monday to Friday during Week 18.

6.2 Complaints and Resolution Actions Completed

No complaints were received during week 18.

6.3 Health, Safety and Welfare

No health, safety or welfare incidents were reported during Week 18.

C&R are acting as Principal Contractor while Bansco establish themselves at site. See C&R notice boards, pre-start planning and safety documentation. See C&Rs safety advisor visit and audit report from inspection 08/07/25.

6.4 Long Lead In/ Early Warning Record

We are in receipt of the latest drainage design (C08) issued Friday 15/08/25, which we are currently in the process of reviewing. Note that drainage is still progressing out of sequence due to the impact of revisions to date.

C&R still awaiting further guidance from BWB while BWB & the Client organise commercials. Works progressing as a method related specification to the *MCHW* Series 600 & the issued and agreed RSIP & ITP until superseded by and subsequent documentation from BWB.

Note that due to the number of variations and design changes regarding the drainage to date, and subsequent working out of sequence for the majority of the installation, the drainage programme is now being reconsidered.

6.5 Other Technical Items of Note

The draft validation report has been produced and circulated to BWB & Bansco, as the earthworks are now substantially complete and will be fully complete within week 19. This report shall close the MMP and form part of the condition discharge requirements. As-builts and final test data is being consolidated currently, and we are anticipating one further weekly report (week 19) as we complete.

6.6 Any Other Business

Note site cleaner employed as Instructed for and on behalf of Bansco team.

End of Report

APPENDIX A – WEEKLY PHOTOGRAPHIC RECORDS

Civil and Remediation Ltd.
C332 - City Works 4
Weekly Photographic Record - Week 18
22/09/25 - 26/09/25





Units 1 & 2 remediation and reengineering works continue, including additional works removal of obstructions and relict culverts below C&Rs contractual boundary of 2m bOGL. Note further remedaition outside of site boundary of relict arch structure to make site reengineering safe.



Crushing works continue in Week 18 with additional crushing volume due to Additional Instructed Works to date.



6F2 reinstated fully to car park following attenuation tank works and out of sequence drainage installation works.



Additional works ducting installation progressing south of Unit 4.



Drainage works ongoing. Drainage programme under review due to variations and design changes to date.

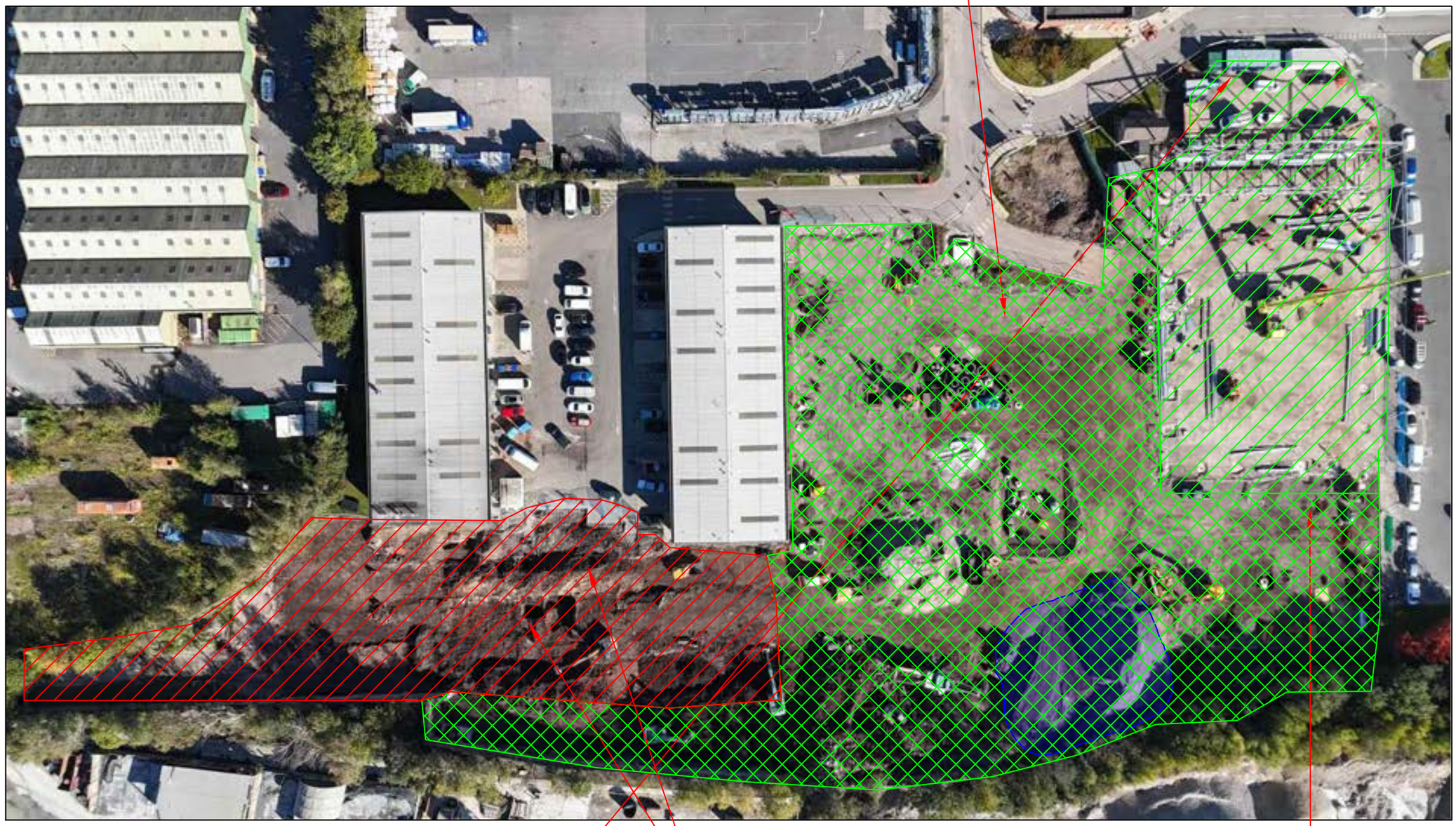


Site progress as of 25/09/25. See C332/WRD/018 for further information.

APPENDIX B – WEEKLY RECORD DRAWING & OTHER DRAWINGS

Drawing Number C332/WRD/018 Rev A

Note additional works outside C&R vertical boundary in car park area agreed with Bansco due to new foul drainage location.



Note additional works new compound No. 3 established to facilitate remainder of the remediation with further additional works to extend MOT for compound area during Week 16.

Note additional works removing relict culverts and deep relict structures during Week 18.

Note foundations complete in Week 15. Area handed over to Bansco.

C&R
civil-remediation.com

Job Title
City Works 4

Location
Openshaw

Client
Bansco

Key

- 6F2 stockpile on site produced from recovered oversize hardstanding and relict foundations.
- Area completed in accordance with the *MCHW* Series 600 with 6F2 layer and MOT layer. Area handed over to Bansco.
- Remediation and stoning up complete, awaiting MOT finalisation.
- Remediation works ongoing.

Note assessments ongoing by BWB to mitigate Landpac, cement stabilisation and ground gas CS2 requirements following bulk assessment of ground condtions.

Read in conjunction with Weekly Environmental Report No. 18 (C332/WER/001/18) for full breakdown of works during week 18 (Section 1.0).

Rev	Date	Description
A	26/09/25	Information

Drawing Status
Information

Drawing Title
Weekly Record Drawing Week 18

Project Code C332
Scale 1: 750 (approx.)
Date Drawn 26/09/25
Drawn By TM
Reviewed By AR
Original Size A3

Drawing Number C332/WRD/018
Rev A