Appendix 9.1
Preliminary Ground Investigation Report

Our Ref: JMS/Rp/P25205 + attachments (*.pdf)

13th May, 2026

Roughan O'Donnovan Consulting Engineers
Arena House,
Arena Road,
Sandyford Industrial Estate,
Dublin,
D18 V8P6.

Re: West Clare Railway Greenway Section 1 - Ground Investigation Contract, Factual report.

Introduction

In November 2025, Priority Geotechnical (PGL) were requested by Roughan O'Donnovan Consulting Engineers (ROD hereafter) acting on behalf of Clare County Council to undertake geotechnical works as part of the West Clare Railway Greenway Section 1 - Ground Investigation Contract.

The Ground Investigation works are part of the proposed West Clare Railway Greenway, Section 1 from Kilrush to Kilkee via Moyasta. The majority of the Works were proposed to take place along the abandoned railway, while in other areas, the greenway will follow along the edge of Poulnasherry Bay.

Objectives

The purpose of the Contract is to assist in the development of the preliminary design of Section 1 of the West Clare Railway Greenway, from Kilrush to Kilkee via Moyasta. The Investigation provides for cable percussion boreholes, trial pits, slit trenches, in-situ testing, laboratory testing and preparation of a factual report.

Scope

The original scope of the ground investigation, which was specified by ROD, comprised of:

- Minor site clearance and construction of access routes including repairs to fencing and provision of temporary gates where required;
- Shell and auger or cable percussion boreholes, sampling and in situ testing;
- Trial pits, sampling and in situ testing;
- Slit trenching to verify underground services, sampling and in situ testing;
- Dynamic and Mackintosh/ TRL Probing;
- Monitoring of groundwater levels in standpipes;
- Detailed slit trench logs;
- Sampling to IS EN 22475-1 requirements, predominantly providing Category A samples for laboratory testing of strength and stiffness;
- Logs as described in IS EN14688-1; IS EN1489-1; and BS5930 and the specification;
- The ground investigation should be carried out in accordance with British Standard 10175:2001, Investigation of Potentially Contaminated Sites: Code of Practice and the EPA Landfill Manual: Investigations for landfill.
- Laboratory testing of soil and rock samples for engineering properties, behaviour and suitability;
- Laboratory testing of soil and ground water samples for environmental contamination and waste (if presence of made ground or contaminated ground is proven);
- Preparation of detailed Main Factual Report as per S1.21.8 and Cl. 16.8 of the Specification, together with the production of Digital Data to AGS Format as per S1.21.10 and Cl. 16.5;
- Liaison with Local Authorities and external bodies including, but not limited to, landowners and utility providers;

- Liaison with third party Contractors to coordinate Works.
- Provision of temporary traffic management;
- Health and Safety;
- Temporary and Permanent Reinstatement of various surfaces;
- Other incidental Works.

The final site works as completed is outlined, herein. This geotechnical data report presents the fieldworks records with regard to the West Clare Railway Greenway Section 1 - Ground Investigation Contract. The report should be read in conjunction with the accompanying exploratory records, the photographic records and the laboratory test data.

Site Works

This investigation was carried out in accordance with Eurocode 7- Geotechnical Design Part 2, ground investigation and testing (BS EN 1997-2: 2007) and the relevant British Standards (BS 5930 (2015) Code of Practice for Site Investigation and BS 1377, Method of Tests for Soil for Civil Engineering Purposes, *in situ* Tests Parts 1 to 9).

The direct intrusive fieldworks were undertaken between the 10th and 19th March, 2026 under the supervision of PGL, Engineering Geologist(s). Details of the plant and equipment used are detailed on the relevant exploratory records, accompanying this report.

Cable Percussion Boreholes

A single (01) cable percussion borehole was drilled to a depth 4.00m below existing ground level (bgl) using PGL's Dando 2000 Rig and 200mm diameter casing. The log is accompanying this factual report.

Location	Final Depth (m bgl)	Date Start (dd/mm/yyyy)
K-TH01	4.00	19/03/2026

Chiselling Records				
Location	**Depth Top (m bgl)**	**Depth Base (m bgl)**	**Duration (hh:mm)**	**Tool**
K-TH01	3.85	4.00	01:00	Chisel.

Trial Pit Excavations

Five (05) trial pit excavations were dug to depths 1.40m bgl to 2.70m bgl using 3t and 13t tracked excavators. The logs and photographic records are accompanying this factual report.

Location	Final Depth (m bgl)	Groundwater Depth (m bgl)	Date Start (dd/mm/yyyy)
TP-6630	1.40	1.40	11/03/2026
TP-8975	2.10	-	11/03/2026
TP-KTH-01	2.70	2.40	10/03/2026
TP-MTH-01	1.50	-	12/03/2026
TP-MTH-02	2.50	0.50	12/03/2026

Slit Trench Excavations

A total of eleven (11) slit trench excavations were dug to depths 0.55m bgl to 4.00m bgl using A 3t tracked excavator. The logs, cross sectional drawings and photographic records are accompanying this factual report.

Location	Final Depth (m bgl)	Date Start (dd/mm/yyyy)	Groundwater Depth (m bgl)
ST-000	2.00	12/03/2026	-
ST-13710	1.90	10/03/2026	-
ST-13725	1.10	11/03/2026	-
ST-13765	1.60	10/03/2026	-
ST-14300	2.40	10/03/2026	-
ST-14985	1.25	10/03/2026	-
ST-625	1.50	11/03/2026	1.2
ST-670	2.00	11/03/2026	-
ST-7960	1.70	12/03/2026	0.4
ST-8010	1.40	11/03/2026	1.4
ST-8100	0.55	11/03/2026	-

Sampling

A total of thirty nine (39) bulk disturbed samples (B), thirty six (36) small disturbed samples (D) were recovered from the exploratory holes in accordance with Geotechnical Investigation and Sampling – Sampling Methods and Groundwater Measurements (EN ISO 22475-1:2006).

In-Situ Testing

Standard Penetration Tests (SPT)

A total of four (04) standard penetration tests were carried out in the cable percussion borehole using the 60^{o} solid cone (CPT) in place of the standard split barrel sampler. The data was presented on the relevant log accompanying this factual report.

Plate Load Tests

Thirteen (13) number plate loading tests were undertaken using 600mm diameter plate in accordance with EC7 Geotechnical design Pt. 2, ground investigation and testing, EN 1997-2:2001 (E), Cl. 4.11, Plate loading test (Annex K) using a 13t tracked excavator for reaction, to assess California bearing ratio, CBR. The data accompanies this report.

Dynamic Cone Penetration

Thirteen (13) Transport Research Laboratory, TRL dynamic cone penetrometer tests, TRL DCP (8kg drop weight, 575mm drop height) were carried out at trial pit and slit trench locations from existing ground level, to establish (unadjusted) in situ California Bearing Ratio, CBR using both the Kleyn and TII DN-PAV-03021 equations. (An adjustment factor of 0.5 is recommended). The exploratory records are attached herein.

Survey and Drawings

The ‘as built’ exploration locations were surveyed to the Ordinance Survey Irish Transverse Mercator system of co-ordinates (ITM) and elevations to Malin Head datum and shown on the relevant exploratory logs and the Exploratory Location Plans (P25205-SI-A, P25205-SI-01) accompanying this report.

Location	Easting	Northing	Ground Level (mOD)	Final Depth (m bgl)	Date Start (dd/mm/yyyy)
K-TH01	499010.58	654923.12	3.48	4.00	19/03/2026
ST-000	488971.89	659648.56	11.43	2.00	12/03/2026
ST-13710	497628.57	654613.34	5.39	1.90	10/03/2026
ST-13725	497644.00	654609.00	5.41	1.10	11/03/2026
ST-13765	497644.37	654569.92	5.01	1.60	10/03/2026
ST-14300	498155.79	654678.50	4.70	2.40	10/03/2026
ST-14985	498796.27	654916.87	3.78	1.25	10/03/2026
ST-625	489539.06	659426.16	12.82	1.50	11/03/2026
ST-670	489593.63	659403.73	13.93	2.00	11/03/2026
ST-7960	495901.26	658541.51	2.90	1.70	12/03/2026
ST-8010	495953.65	658523.88	3.04	1.40	11/03/2026

Location	Easting	Northing	Ground Level (mOD)	Final Depth (m bgl)	Date Start (dd/mm/yyyy)
ST-8100	495987.74	658450.25	3.57	0.55	11/03/2026
TP-6630	497644.00	654609.00	5.41	1.40	11/03/2026
TP-8975	495859.13	657627.00	2.95	2.10	11/03/2026
TP-KTH-01	498836.82	654887.20	2.89	2.70	10/03/2026
TP-MTH-01	495841.84	658556.51	3.16	1.50	12/03/2026
TP-MTH-02	495889.02	658549.25	2.99	2.50	12/03/2026

Laboratory Testing

Laboratory testing was scheduled by ROD and carried out by PGL in accordance with BS1377 (1990), Methods of test for soils for civil engineering purposes. Chemical testing was carried out by Eurofins-Chemtest Ltd. (UK) on behalf of PGL. The laboratory data accompanies this report and was summarised as follows;

SUMMARY OF LABORATORY TESTING

Type	Quantity, Nr.	Remarks
Natural Moisture Content	37	4% to 189%
Particle Size Distribution	31	13Nr. hydrometer analysis on fine soils
Atterberg Limits	24	Liquid Limit, LL 26% to 102%
		Plastic Limit, PL 16% to 75%
		Plasticity Index, PI 9 to 27
pH	16	7.0 - 8.4
Chloride (water soluble)	16	<0.010g/l to 0.10g/l
Organic Matter	02	16% & 33%
Loss On Ignition	02	4.8% & 16%
Sulphate (2:1 water soluble) as SO4	08	<0.010 to 0.041g/l
Sulphate (Acid Soluble)	08	<0.010% to 0.022%
Total sulphur	08	0.015% to 0.033%
Environmental Suite I	07	See attached results
Environmental Suite E	05	See attached results
Environmental Suite H	01	See attached results

Please note that all samples shall be retained for a period no longer than 28 days from the date of this report. Thereafter all remaining samples shall be appropriately disposed of unless a written instruction to the contrary is received by PGL prior to the date of this reporting and within the 28 day period outlined above. Laboratory testing will result in a reduction of sample quantity and in some cased the use of the full sample mass. Samples already tested may not be suitable or available for further testing.

Published Geology

A search of the Geological Survey data base and 1:100,000 mapping (Sheet 17) identified two (02) geological formations defining the area. The Central Clare Group is mapped to the west of the study area and comprised of Sandstone, Mudtsone and Siltstone. The Gull Island Formation (GI) is shown towards the east of the area of interest and described as grey, Siltstone and Sandstone. Sporadic outcropping bedrock is mapped within the two units.

Teagasc subsoil mapping indicates that the area is directly underlain by Glacial Till derived from Namurian Sandstones and Shales. Blanket peat deposits are also common throughout the length of the site. Marine and estuarine Silts are mapped in the vicinity of Pilnasherry Bay. The National Groundwater Vulnerability mapping indicates the area is of low to moderate vulnerability.

Ground and Groundwater Conditions

The full details of the ground conditions encountered are provided for on the exploratory records accompanying this report. The records provide descriptions, in accordance with BS 5930 (2015) and Eurocode 7, Geotechnical Investigation and Testing, Identification and classification of soils, Part 1, Identification and description (EN ISO 14688-1: 2002),– Identification and Classification of Soil, Part 2: Classification Principles (EN ISO 14688-2:2004) and Identification and Classification of Rock, Part 1: Identification & Description (EN ISO 14689-1:2004) of the materials encountered, *in situ* testing and details of the samples taken, together with any observations made during the ground investigation.

Groundwater levels may be subject to diurnal, seasonal and climatic variations and can also be affected by drainage conditions, tidal variations etc. Low volume groundwater flow may be cut-off by borehole casing as it progresses in stiff glacial deposits. The groundwater regime should be assessed from standpipe well installations, where available. Groundwater strikes were measured between depths 0.40m to 2.50m bgl during the period of investigation.

A single (01) standpipe was constructed under the scope of works. A summary of standpipe construction is detailed below.

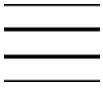
SUMMARY OF STANDPIPE CONSTRUCTION

Location	Depth Top (m bgl)	Depth Base (m bgl)	Diameter (mm)	Pipe Type
K-TH01	0.00	1.00	50	PLAIN
	1.00	4.00	50	SLOTTED

Exploratory locations were backfilled with their arisings, gravel and bentonite. Backfill details are displayed graphically on the accompanying logs and summarised below.

SUMMARY OF BACKFILL

 GRAVEL Backfill to installation/ borehole

 uPVC slotted pipe

 ARISINGS Backfill

 BENTONITE Backfill to installation/ borehole

Should you have any queries in relation to the data collected and presented herein, please do not hesitate to contact our office.

Yours sincerely,
For **Priority Geotechnical,**

James McSweeney BSc
Engineering Geologist

No responsibility can be held by PGL for ground conditions between exploratory locations. The exploratory logs provide for ground profiles and configuration of strata relevant to the investigation depths achieved during the fieldworks. Caution shall be taken when extrapolating between such exploratory locations. No liability is accepted for ground conditions extraneous to the exploratory locations.

No account has been taken of potential subsidence or ground movement due to mineral extraction, mining works or karstification below or in proximity to the site, unless specifically addressed.

This report has been prepared for Employer and their Representative as outline, herein. The information should not be used without their prior written permission. PGL accepts no responsibility or liability for this document being used other than for the purposes for which it was intended.

SI-01

SI-02

SI-03

SI-04

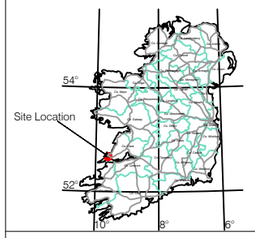
SI-05

SI-06

SI-07

N

Priority Geotechnical Site



JOB NAME:

West Clare Greenway
Kilrush to Kilkee

Sheet Title:

Exploratory Location Layout

JOB NUMBER:

P25205

DRAWING NUMBER:

P25205-SI-A

DRAWN BY:

Gary Curtin

DATE:

26/03/2026

SCALE:	APPROVED:
NTS on A3	GH

REVISION:

D01

pgl priority geotechnical

KEY:

ST00 DATUM — Denotes Slit Trench and Datum location

TP00 — Denotes Trial Pit location

BH00 — Denotes Borehole location

DP00 — Denotes Dynamic Probe location

RC00 — Denotes Rotary Core location

ST00

AA00

JOB NAME:

West Clare Greenway
Kilrush to Kilkee

Sheet Title:

Exploratory Location Layout

JOB NUMBER:

P25205

DRAWING NUMBER:

P25205-SI-01

DRAWN BY:

Gary Curtin

DATE:

26/03/2026

SCALE:

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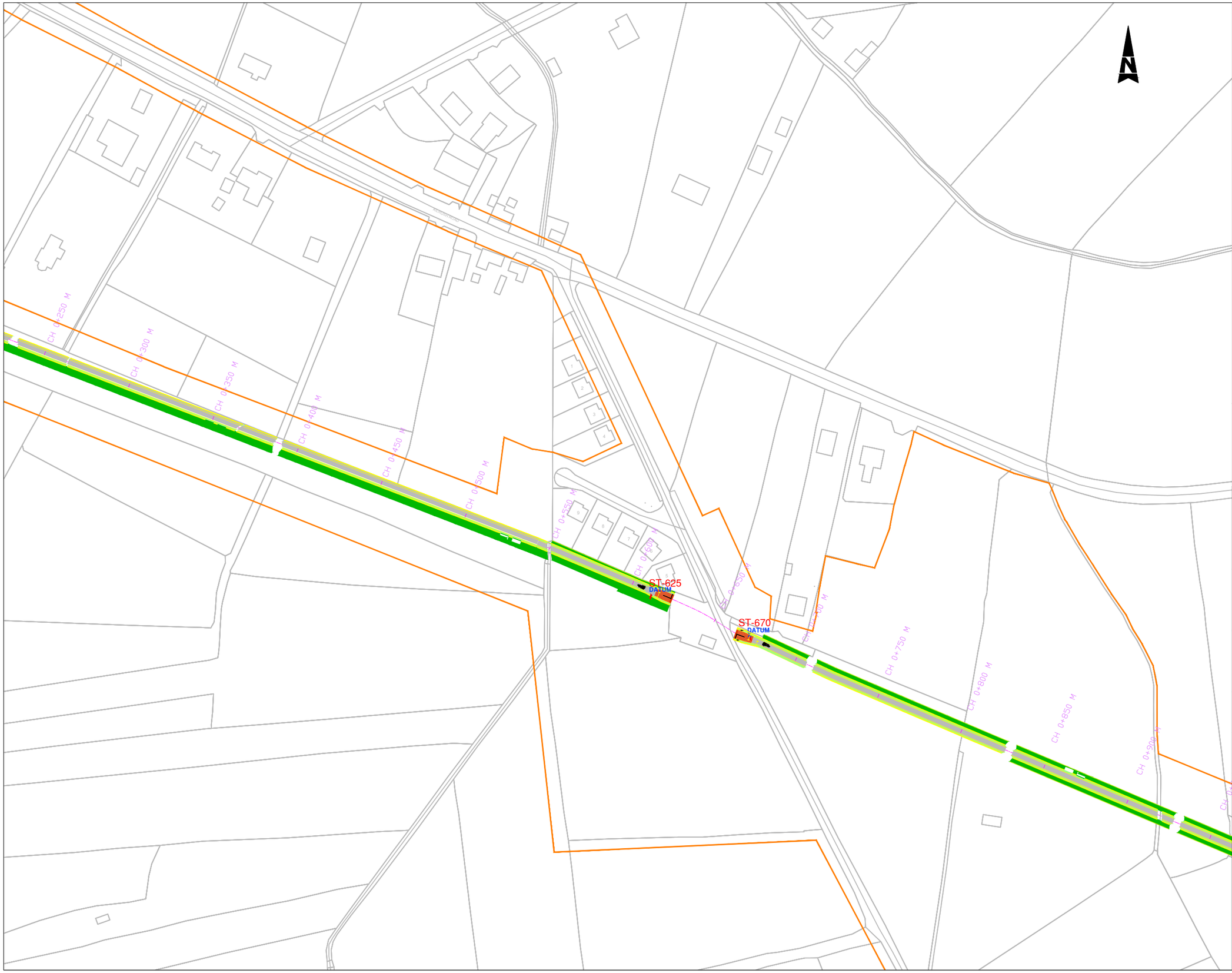
APPROVED:

GH

REVISION:

D01

pgl priority geotechnical



KEY:

ST00 DATUM — Denotes Slit Trench and Datum location

TP00 — Denotes Trial Pit location

BH00 — Denotes Borehole location

DP00 — Denotes Dynamic Probe location

RC00 — Denotes Rotary Core location

ST00

AA00

JOB NAME:

West Clare Greenway
Kilrush to Kilkee

Sheet Title:

Exploratory Location Layout

JOB NUMBER:

P25205

DRAWING NUMBER:

P25205-SI-02

DRAWN BY:

Gary Curtin

DATE:

26/03/2026

SCALE:

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APPROVED:

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REVISION:

D01

pgl priority geotechnical

KEY:

ST00 DATUM — Denotes Slit Trench and Datum location

TP00 — Denotes Trial Pit location

BH00 — Denotes Borehole location

DP00 — Denotes Dynamic Probe location

RC00 — Denotes Rotary Core location

ST00

AA00

JOB NAME:

West Clare Greenway
Kilrush to Kilkee

Sheet Title:

Exploratory Location Layout

JOB NUMBER:

P25205

DRAWING NUMBER:

P25205-SI-03

DRAWN BY:

Gary Curtin

DATE:

26/03/2026

SCALE:

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APPROVED:

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REVISION:

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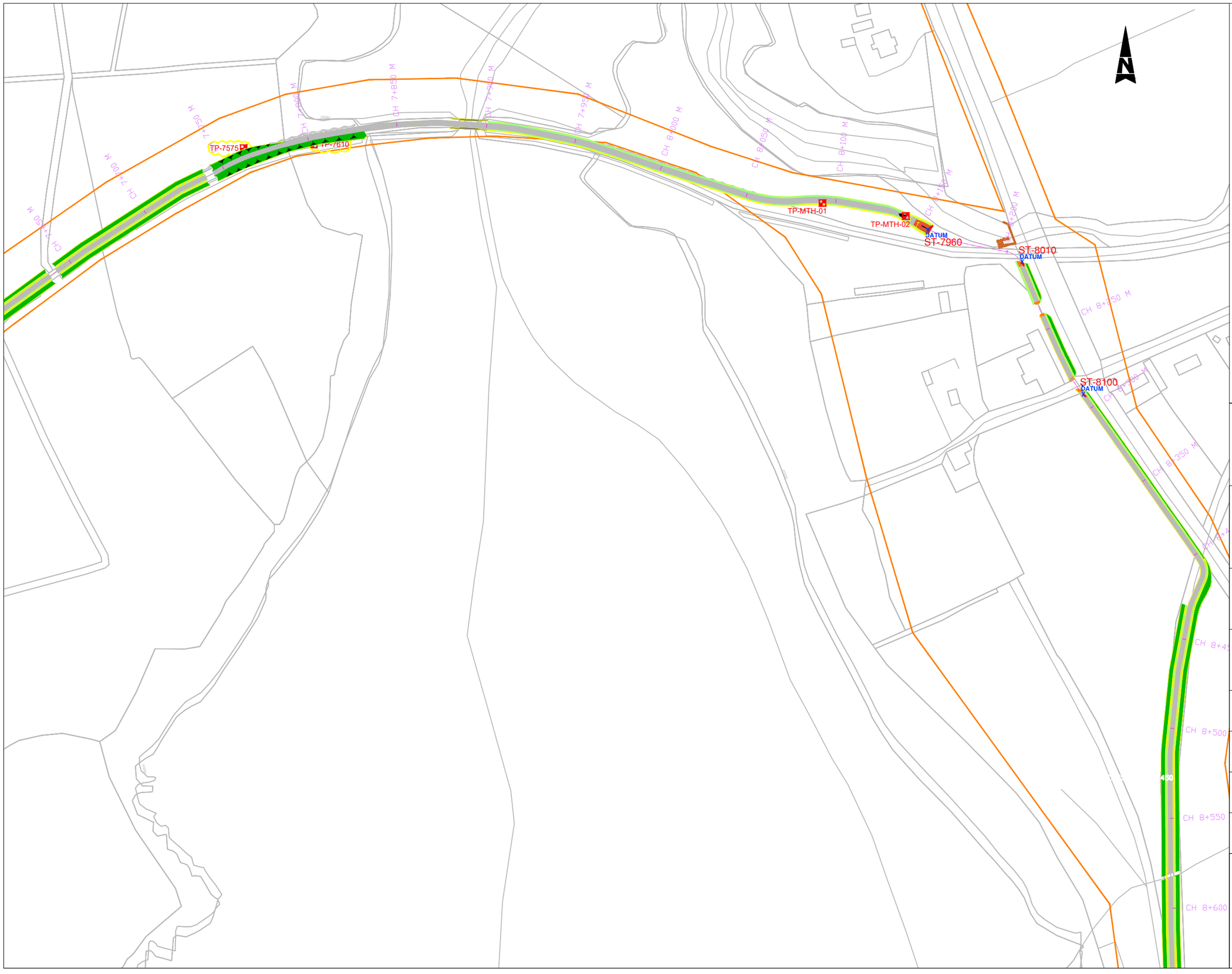
pgl priority geotechnical



KEY:

- ST00 DATUM — Denotes Slit Trench and Datum location
- TP00 — Denotes Trial Pit location
- BH00 — Denotes Borehole location
- DP00 — Denotes Dynamic Probe location
- RC00 — Denotes Rotary Core location
- ST00
- AA00

JOB NAME:

West Clare Greenway
Kilrush to Kilkee

Sheet Title:

Exploratory Location Layout

JOB NUMBER:

P25205

DRAWING NUMBER:

P25205-SI-04

DRAWN BY:

Gary Curtin

DATE:

26/03/2026

SCALE:	APPROVED:
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REVISION:

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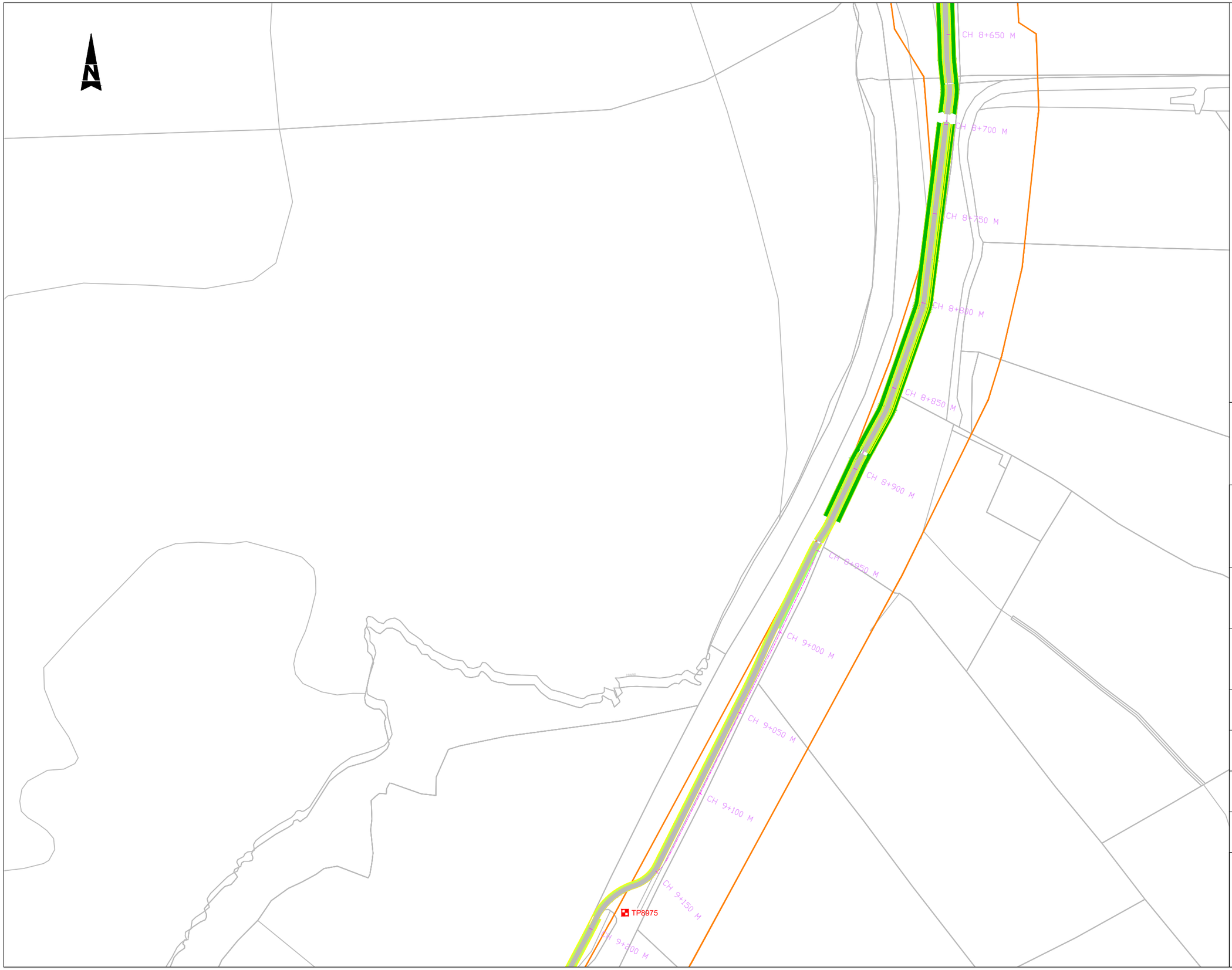
pgl priority geotechnical



KEY:

ST00 DATUM — Denotes Slit Trench and Datum location

TP00 — Denotes Trial Pit location

BH00 — Denotes Borehole location

DP00 — Denotes Dynamic Probe location

RC00 — Denotes Rotary Core location

ST00

AA00

JOB NAME:

West Clare Greenway
Kilrush to Kilkee

Sheet Title:

Exploratory Location Layout

JOB NUMBER:

P25205

DRAWING NUMBER:

P25205-SI-05

DRAWN BY:

Gary Curtin

DATE:

26/03/2026

SCALE:

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APPROVED:

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REVISION:

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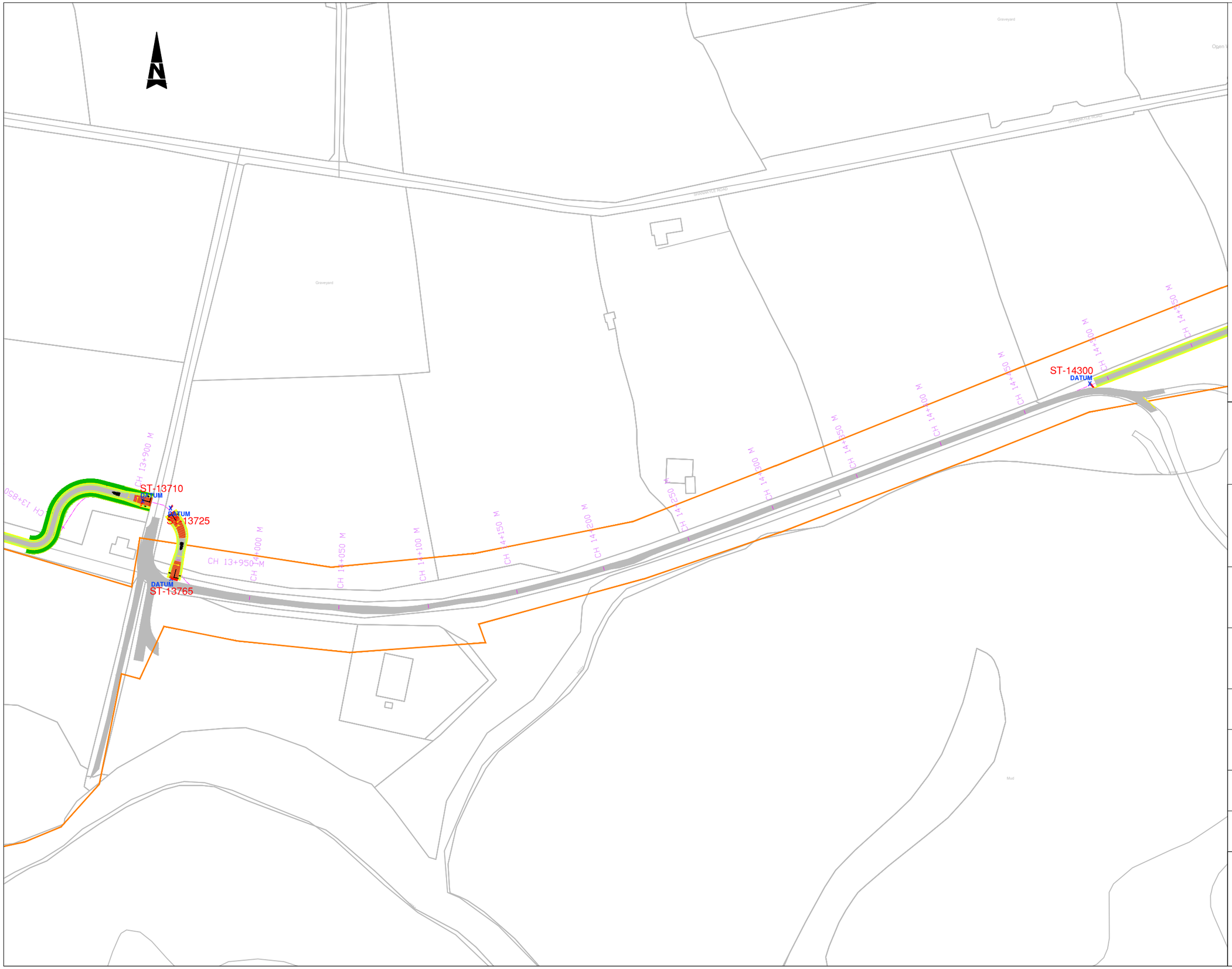
pgl priority geotechnical



KEY:

ST00 DATUM	Denotes Slit Trench and Datum location
TP00	Denotes Trial Pit location
BH00	Denotes Borehole location
DP00	Denotes Dynamic Probe location
RC00	Denotes Rotary Core location
ST00	
AA00	

JOB NAME:

West Clare Greenway
Kilrush to Kilkee

Sheet Title:

Exploratory Location Layout

JOB NUMBER:

P25205

DRAWING NUMBER:

P25205-SI-06

DRAWN BY:

Gary Curtin

DATE:

26/03/2026

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REVISION:

D01

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KEY:

ST00 DATUM — Denotes Slit Trench and Datum location

TP00 — Denotes Trial Pit location

BH00 — Denotes Borehole location

DP00 — Denotes Dynamic Probe location

RC00 — Denotes Rotary Core location

ST00

AA00

JOB NAME:

West Clare Greenway
Kilrush to Kilkee

Sheet Title:

Exploratory Location Layout

JOB NUMBER:

P25205

DRAWING NUMBER:

P25205-SI-07

DRAWN BY:

Gary Curtin

DATE:

26/03/2026

SCALE:

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APPROVED:

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REVISION:

D01

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KEY TO SYMBOLS ON EXPLORATORY HOLE RECORDS

GENERAL

m	Meter
mm	Millimetres
BGL	Below existing ground level
mOD	Level to OD Malin
TP	Trial Pit
ST	Slit Trench
CP	Cable Percussion Borehole
RC	Rotary Cored Borehole
IP	Inspection Pit
FP	Foundation Pit
DP	Dynamic Probe
Geobore S	Geobore S Borehole

SAMPLES

B	Bulk disturbed sample
D	Small disturbed sample
U	Undisturbed sample
WS	Dynamic sample/ window sample
ENV	Environmental sample
SPLTLS	Split spoon sample
CBR	California Bearing Ratio mould sample

RECOVERY AND ROCK QUALITY

TCR %	Total Core Recovery (% of Core Run)
SCR %	Solid Core Recovery (length of core having at least one full diameter as % of core run) RQD
RQD %	Rock Quality Designation (length of solid core greater than 100mm as % of core run)
FI	Fracture Index (Measured over length of core run)
NI	Non intact
AVG	Average distance between fractures
MAX	Maximum distance between fractures
MIN	Minimum distance between fractures

GROUNDWATER

Strike	
Level after standing	

IN-SITU TESTING

N	Standard Penetration Test - Blows required to drive 300mm after seating drive
C	Standard Penetration Test - 60Cone
S	Standard Penetration Test – Split Spoon

Soil and rock descriptions are based on the guidance in BS5930:2015, The Code of Practice for Site Investigation

pgl priority geotechnical	**Priority Geotechnical Ltd.** **Tel: 021 4631600** **www.prioritygeotechnical.ie**	**Drilled By** PC & KC **Logged By** EM	Borehole No. **K-TH01** Sheet 1 of 1

Project Name	West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords**	499010.58E - 654923.12N	**Hole Type** CP
Location	Co. Clare		**Level**	3.48 m OD	**Scale** 1:50
Client	Clare County Council		**Date**	19/03/2026 - 20/03/2026	

Well Backfill	Water Strike (m bgl)	Sample and In Situ Testing: Depth (m bgl)	Type	Results	Depth (m bgl)	Level (mOD)	Legend	Stratum Description
		0.00 - 1.00	B					Medium dense, black, very sandy very silty GRAVEL with low cobble content. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded. *0.00 - 2.00m: Gravel content increases with depth.*
		1.00 - 2.00 1.00	B SPT (C)	N=11 (2,2/3,2,3,3)				
		2.00 - 3.00 2.00	B SPT (C)	N=15 (4,3/4,3,4,4)	2.00	1.48		Firm, greyish brown, slightly sandy gravelly CLAY with low cobble content. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded. Cobbles are sub-rounded, of Limestone lithology and 63-200mm in diameter.
		3.00 - 3.85 3.00	B SPT (C)	N=27 (5,6/6,7,6,8)	3.00	0.48		Medium dense, brown, sandy silty GRAVEL with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded.
		3.85	SPT (C)	0 (50 for 75mm/0 for 0mm)	4.00	-0.52		End of Borehole at 4.000m

Groundwater

Struck (m bgl)	Rose to (m bgl)	After (mins)	Sealed (m bgl)	Comment
2.50	2.40	20		2.50m: See shift data.

Hole Information

Depth (m bgl)	Hole Dia (mm)	Casing Dia (mm)
4.00	200	200

Equipment Dando 2000

Chiselling Details

Top (m)	Base (m)	Duration (hh:mm)	Tool
3.85	4.00	01:00	Chisel.

Remarks

Cable percussion borehole terminated at 4.00m bgl, refusal. 50mm standpipe installed. Response zone from 1.00m to 4.00m bgl.

Shift Data

GW (m bgl)	Shift	Depth (m bgl)	Remarks
	19/03/2026 08:00	0.00	Start of shift.
	19/03/2026 18:00	2.50	End of shift.
	20/03/2026 08:00	2.50	Start of shift.
	30/03/2026 18:00	4.00	End of borehole.

Priority Geotechnical Ltd.
Tel: 021 4631600
Fax: 021 4638690
www.prioritygeotechnical.ie

Trial Pit No
TP-6630
Sheet 1 of 1

Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 497644.00E - 654609.00N **Level:** 5.41m OD	**Date** 11/03/2026
Location: Co. Clare		**Dimensions (m):** 2.50 x 1.10 **Depth:** 1.40m BGL	**Scale** 1:25
Client: Clare County Council			**Logged** DS

Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
				0.40	5.01		(TOPSOIL)
	0.50 0.50	B D					Orangey brown with grey mottling, slightly sandy slightly gravelly SILT with high cobble content. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to rounded. Cobbles are sub-rounded, Limestone lithology and 63-180mm in diameter.
	1.00 1.00	B D					
				1.40	4.01		End of Pit at 1.400m

Stability: Moderate
Plant: 3t track machine
Backfill: Arisings.

Groundwater: 1.40m: Fast rate of flow.

Remarks: Trial pit terminated at 1.40m bgl, refusal. Hand vane carried out 0.50m bgl using 19mm blades.

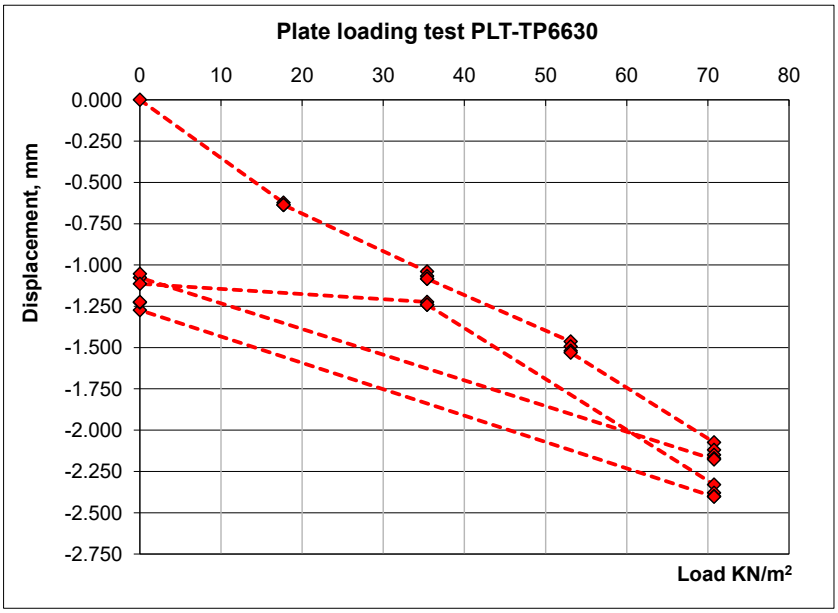
JOB REF:	P25205
JOB Name:	West Clare Greenway

Plate Bearing Test	PLT-TP6630	
Test Number	1	
Depth	0.50	**m bgl**
Bedding Material	sand	
Date	11/03/2026	
Ground Conditions	Slightly sandy gravelly SILT	
Seating Load	5kPa	
Plate Diameter	**600**	mm
Plate Area	0.2826	m^2

	G1	G2	G3	
Zero gauge	**0.00**	**0.00**	**0.00**	**0.00 mm**

Force (KN)	Pressure (kPa)	Time (min)	Div (mm)	Div (mm)	Div (mm)	Average	Δ h, mm
0	0	0	0.00	0.00	0.00	0.00	0.00
5	18	0	0.52	0.61	0.74	0.62	-0.62
5	18	1	0.54	0.62	0.75	0.64	-0.64
5	18	2	0.54	0.62	0.75	0.64	-0.64
10	35	0	0.94	1.07	1.11	1.04	-1.04
10	35	1	0.97	1.10	1.13	1.07	-1.07
10	35	2	0.98	1.12	1.15	1.08	-1.08
10	35	3	0.98	1.12	1.15	1.08	-1.08
15	53	0	1.21	1.54	1.64	1.46	-1.46
15	53	1	1.25	1.56	1.67	1.49	-1.49
15	53	2	1.28	1.59	1.69	1.52	-1.52
15	53	3	1.29	1.60	1.70	1.53	-1.53
20	71	0	1.94	2.07	2.21	2.07	-2.07
20	71	1	1.98	2.11	2.27	2.12	-2.12
20	71	2	2.02	2.13	2.30	2.15	-2.15
20	71	3	2.03	2.15	2.33	2.17	-2.17
20	71	4	2.03	2.16	2.34	2.18	-2.18
0	0	0	0.99	1.04	1.20	1.08	-1.08
0	0	1	0.97	1.02	1.17	1.05	-1.05
0	0	2	0.97	1.20	1.17	1.11	-1.11
10	35	0	1.11	1.25	1.31	1.22	-1.22
10	35	1	1.12	1.27	1.33	1.24	-1.24
10	35	2	1.12	1.27	1.33	1.24	-1.24
20	71	0	2.15	2.25	2.59	2.33	-2.33
20	71	1	2.19	2.31	2.64	2.38	-2.38
20	71	2	2.22	2.33	2.65	2.40	-2.40
20	71	3	2.22	2.33	2.66	2.40	-2.40
0	0	0	1.11	1.29	1.42	1.27	-1.27
0	0	1	1.09	1.24	1.35	1.23	-1.23
0	0	2	1.08	1.24	1.35	1.22	-1.22

Load to Achieve 1.25mm of Settlement:	**43**	kPa
Subgrade Modulus ($MN/m^2/m$) k_{750}:	**29**	
Estimated CBR (NRA DMRB HD25-26 3.62)	**3.2**	%
Plate scaling factor	**0.83**	
Plate rigidity factor	**1.00**	



No	Job	Location	Date	Engineer
P25205	/est Clare Greenwa	DCP-ST6630	11/03/2026	DS

Drop	Weight	Cone	Correlation
575mm	8kg	60°	TRL DCP

Starting Depth mm	Ground Level	Easting	Northing
0	5.41	497644.00	654609.00

Blows	Depth (m bgl)	Penetration (mm)	Penetration Per blow (mm)	CBR, % (Kleyn)	CBR, % (TII DN-PAV-03021)
0	0.080	80	-	-	-
1	0.180	100	100	1.2	2.3
1	0.290	110	110	1.0	2.1
1	0.310	20	20	9.1	13
1	0.330	20	20	9.1	13
1	0.350	20	20	9.1	13
1	0.370	20	20	9.1	13
1	0.380	10	10	22	26
1	0.420	40	40	3.8	6.1
1	0.440	20	20	9.1	13
1	0.470	30	30	5.5	8
1	0.500	30	30	5.5	8
1	0.520	20	20	9.1	13
1	0.525	5	5	53	55
1	0.530	5	5	53	55
1	0.535	5	5	53	55
25	0.535	0	0	-	-

Adjustments	0.71	moderate
	0.5	dry
	0.35	very dry
	0.5	not assessed

Photographic Record

Number:	**TP-6630**	**Project**	West Clare Railway Greenway Section 1
		Project No	P25205
		Engineer	Roughan O'Donovan

Photographic Record

Number:	**TP-6630**	**Project**	West Clare Railway Greenway Section 1	
		Project No	P25205	
		Engineer	Roughan O'Donovan	

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Trial Pit No
TP-8975
Sheet 1 of 1

Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 495859.13E - 657627.00N **Level:** 2.95m OD	**Date** 11/03/2026
Location: Co. Clare		**Dimensions (m):** 3.00 x 0.40 **Depth:** 2.10m BGL	**Scale** 1:25
Client: Clare County Council			**Logged** DS

Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
	0.50 0.50 0.50	B D ENV		0.60	2.35		(MADE GROUND) Very soft, dark brown, slightly sandy slightly gravelly SILT with plastic inclusions. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded.
	1.00 1.00 1.00	B D ENV					Very stiff, light grey, slightly gravelly slightly sandy SILT. Sand is fine to coarse. Gravel is fine to coarse.
	2.00 2.00 2.00	B D ENV		2.10	0.85		End of Pit at 2.100m

1
2
3
4
5

Stability: Good
Plant: 3t track machine
Backfill: Arisings.

Groundwater: None encountered.

Remarks: Trial pit terminated at 2.10m bgl, refusal. Hand vane carried out at 0.50m bgl using 19mm blades.

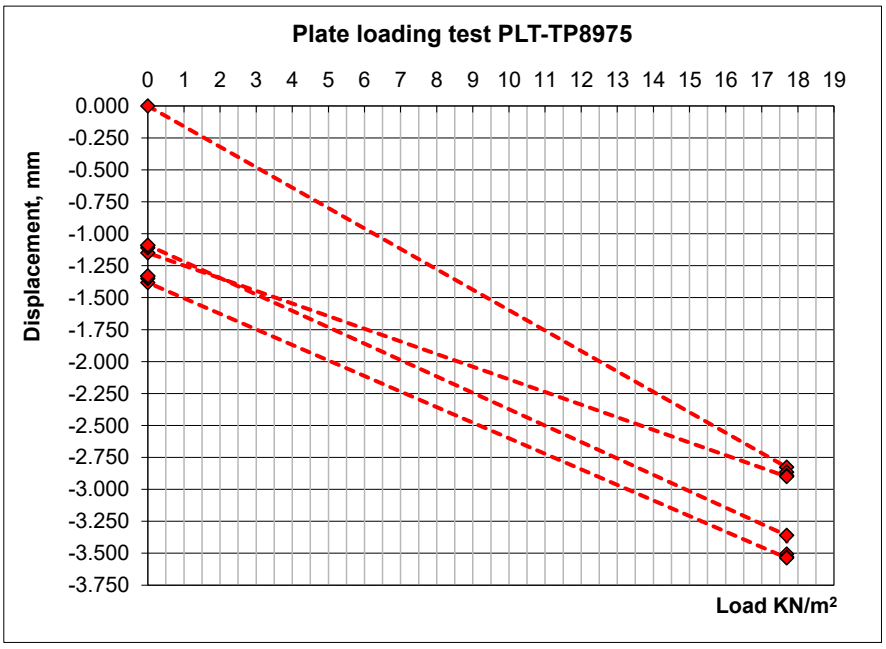
JOB REF:	P25205
JOB Name:	West Clare Greenway

Plate Bearing Test	PLT-TP8975	
Test Number	1	
Depth	0.50	**m bgl**
Bedding Material		
Date	11/03/2026	
Ground Conditions	MADE GROUND	
Seating Load	5kPa	
Plate Diameter	**600**	mm
Plate Area	0.2826	m^2

	G1	G2	G3	
Zero gauge	**0.00**	**0.00**	**0.00**	**0.00 mm**

Force (KN)	Pressure (kPa)	Time (min)	Div (mm)	Div (mm)	Div (mm)	Average	Δ h, mm
0	0	0	0.00	0.00	0.00	0.00	0.00
5	18	0	2.07	3.42	2.99	2.83	-2.83
5	18	1	2.11	3.45	3.04	2.87	-2.87
5	18	2	2.14	3.47	3.07	2.89	-2.89
5	18	3	2.15	3.48	3.07	2.90	-2.90
0	0	0	0.82	1.11	1.52	1.15	-1.15
0	0	1	0.79	1.06	1.48	1.11	-1.11
0	0	2	0.77	1.05	1.46	1.09	-1.09
0	0	3	0.77	1.04	1.46	1.09	-1.09
5	18	0	2.52	3.91	3.65	3.36	-3.36
5	18	1	2.55	3.97	4.00	3.51	-3.51
5	18	2	2.57	3.99	4.03	3.53	-3.53
5	18	3	2.58	4.00	4.03	3.54	-3.54
0	0	0	1.09	1.31	1.75	1.38	-1.38
0	0	1	1.07	1.27	1.71	1.35	-1.35
0	0	2	1.05	1.26	1.69	1.33	-1.33
0	0	3	1.04	1.26	1.69	1.33	-1.33

Load to Achieve 1.25mm of Settlement:	**8** kPa
Subgrade Modulus ($MN/m^2/m$) k_{750}:	**5**
Estimated CBR (NRA DMRB HD25-26 3.62)	**0.2** %
Plate scaling factor	**0.83**
Plate rigidity factor	**1.00**



No	Job	Location	Date	Engineer
P25205	West Clare Greenway	DCP-TP8975	11/03/2026	DS

Drop	Weight	Cone	Correlation
575mm	8kg	60°	TRL DCP

Starting Depth mm	Ground Level	Easting	Northing
0	2.95	495859.13	657627.00

Blows	Depth (m bgl)	Penetration (mm)	Penetration Per blow (mm)	CBR, % (Kleyn)	CBR, % (TII DN-PAV-03021)
0	0.110	110	-	-	-
1	0.300	190	190	0.5	1.2
1	0.410	110	110	1.0	2.1
1	0.480	70	70	1.9	3.4
1	0.560	80	80	1.6	2.9
1	0.620	60	60	2.3	4.0
1	0.640	20	20	9.1	13
1	0.670	30	30	5.5	8.3
1	0.680	10	10	22	26
1	0.690	10	10	22	26
25	0.690	0	0	-	-

Adjustments	0.71	moderate
	0.5	dry
	0.35	very dry
	0.5	not assessed

Photographic Record

Number:	**TP-8975**	**Project**	West Clare Railway Greenway Section 1	
		Project No	P25205	
		Engineer	Roughan O'Donovan	

Photographic Record

Number:	**TP-8975**	**Project**	West Clare Railway Greenway Section 1
		Project No	P25205
		Engineer	Roughan O'Donovan

No	Job	Location	Date	Engineer
P25205	West Clare Greenway	DCP-TP-KTH01	10/03/2026	DS

Drop	Weight	Cone	Correlation
575mm	8kg	60°	TRL DCP

Starting Depth mm	Ground Level	Easting	Northing
0	2.89	498836.82	654887.20

Blows	Depth (m bgl)	Penetration (mm)	Penetration Per blow (mm)	CBR, % (Kleyn)	CBR, % (TII DN-PAV-03021)
0	0.080	80	-	-	-
1	0.140	60	60	2.3	4.0
1	0.190	50	50	2.9	4.8
1	0.240	50	50	2.9	4.8
1	0.270	30	30	5.5	8.3
1	0.280	10	10	22	26
1	0.300	20	20	9.1	13
1	0.320	20	20	9.1	13
1	0.330	10	10	22	26
1	0.340	10	10	22	26
1	0.370	30	30	5.5	8.3
1	0.400	30	30	5.5	8.3
1	0.410	10	10	22	26
1	0.420	10	10	22	26
1	0.425	5	5	53	55
25	0.425	0	0	-	-

Adjustments	0.71	moderate
	0.5	dry
	0.35	very dry
	0.5	not assessed

No	Job	Location	Date	Engineer
P25205	West Clare Greenway	TP-KTH-01	10/03/2026	DS

Drop	Weight	Cone	Correlation
575mm	8kg	60°	TRL DCP

Starting Depth mm	Ground Level	Easting	Northing
0	2.89	498836.82	654887.20

Blows	Depth (m bgl)	Penetration (mm)	Penetration Per blow (mm)	CBR, % (Kleyn)	CBR, % (TII DN-PAV-03021)
0	0.090	90	-	-	-
1	0.120	30	30	5.5	8.3
1	0.130	10	10	22	26
1	0.145	15	15	13	17
1	0.150	5	5	53	55
1	0.160	10	10	22	26
1	0.180	20	20	9.1	13
1	0.200	20	20	9.1	13
1	0.220	20	20	9.1	13
1	0.230	10	10	22	26
1	0.240	10	10	22	26
1	0.245	5	5	53	55
25	0.245	0	0	-	-

Adjustments	0.71	moderate
	0.5	dry
	0.35	very dry
	0.5	not assessed

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Trial Pit No
TP-KTH-01
Sheet 1 of 1

Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 498836.82E - 654887.19N **Level:** 2.89m OD	**Date** 10/03/2026
Location: Co. Clare		**Dimensions (m):** 3.10 x 0.60 **Depth:** 2.70m BGL	**Scale** 1:25
Client: Clare County Council			**Logged** DS

Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
				0.20	2.69		(TOPSOIL)
	0.50 0.50 0.50	B D ENV					(MADE GROUND) Light brown, very silty very sandy GRAVEL with high boulder content, glass and plastic inclusions. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded. Boulders are sub-angular and up to 250mm in diameter.
	1.00 1.00 1.00	B D ENV					
	2.00 2.00 2.00	B D ENV					
				2.70	0.19		End of Pit at 2.700m

Stability: Poor
Plant: 13t track machine
Backfill: Arisings.

Groundwater: 2.40m: Fast rate of flow.

Remarks: Trial pt terminated at 2.70m bgl, due to groundwater ingress and instability.

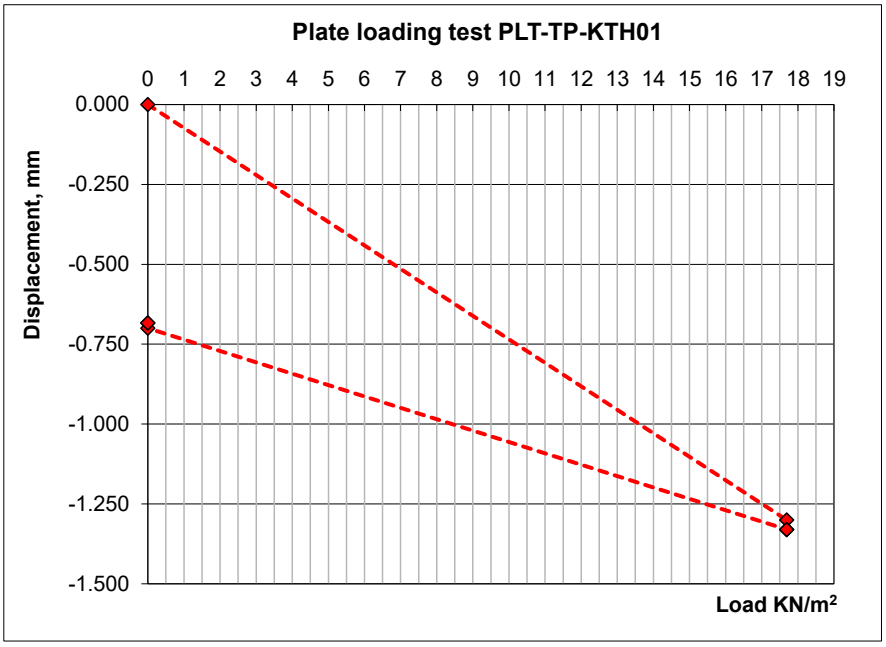
JOB REF:	P25205
JOB Name:	West Clare Greenway

Plate Bearing Test	PLT-TP-KTH01	
Test Number	1	
Depth	0.50	**m bgl**
Bedding Material	Sand	
Date	10/03/2026	
Ground Conditions	very silty very sandy GRAVEL	
Seating Load	5kPa	
Plate Diameter	**600**	mm
Plate Area	0.2826	m^2

G1	G2	G3	
0.00	**0.00**	**0.00**	**0.00 mm**

Force (KN)	Pressure (kPa)	Time (min)	Div (mm)	Div (mm)	Div (mm)	Average	Δ h, mm
0	0	0	0.00	0.00	0.00	0.00	0.00
5	18	0	2.11	0.42	1.37	1.30	-1.30
5	18	1	2.14	0.45	1.40	1.33	-1.33
5	18	2	2.14	0.45	1.40	1.33	-1.33
0	0	0	1.02	0.21	0.87	0.70	-0.70
0	0	1	1.00	0.19	0.86	0.68	-0.68
0	0	2	1.00	0.19	0.86	0.68	-0.68

Load to Achieve 1.25mm of Settlement:	**17** kPa
Subgrade Modulus ($MN/m^2/m$) k_{750}:	**11**
Estimated CBR (NRA DMRB HD25-26 3.62)	**0.7** %
Plate scaling factor	**0.83**
Plate rigidity factor	**1.00**



Photographic Record

Number:	**TP-KTH-01**	**Project**	West Clare Railway Greenway Section 1	
		Project No	P25205	
		Engineer	Roughan O'Donovan	

Photographic Record

Number:	**TP-KTH-01**	**Project**	West Clare Railway Greenway Section 1
		Project No	P25205
		Engineer	Roughan O'Donovan

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Trial Pit No
TP-MTH-01
Sheet 1 of 1

Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 495841.84E - 658556.51N **Level:** 3.16m OD	**Date** 12/03/2026
Location: Co. Clare		**Dimensions (m):** 2.50 × 0.50	**Scale** 1:25
Client: Clare County Council		**Depth:** 1.50m BGL	**Logged** DS

Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
				0.10	3.06		(TOPSOIL)
	0.50	B					(MADE GROUND) Grey, sandy very silty GRAVEL with concrete blocks. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded.
	0.50	D					
	0.50	ENV					
	0.50	ENV		0.70	2.46		Soft, brown, PEAT.
				0.90	2.26		Grey, sandy very silty GRAVEL with low cobble content. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded.
	1.00	B					
	1.00	D					
				1.50	1.66		End of Pit at 1.500m

1
2
3
4
5

Stability: Poor
Plant: 13t track machine
Backfill: Arisings.

Groundwater: None encountered.

Remarks: Trial pit terminated at 1.50m bgl due to instability. Hand vane carried out at 0.50m bgl using 19mm blades.

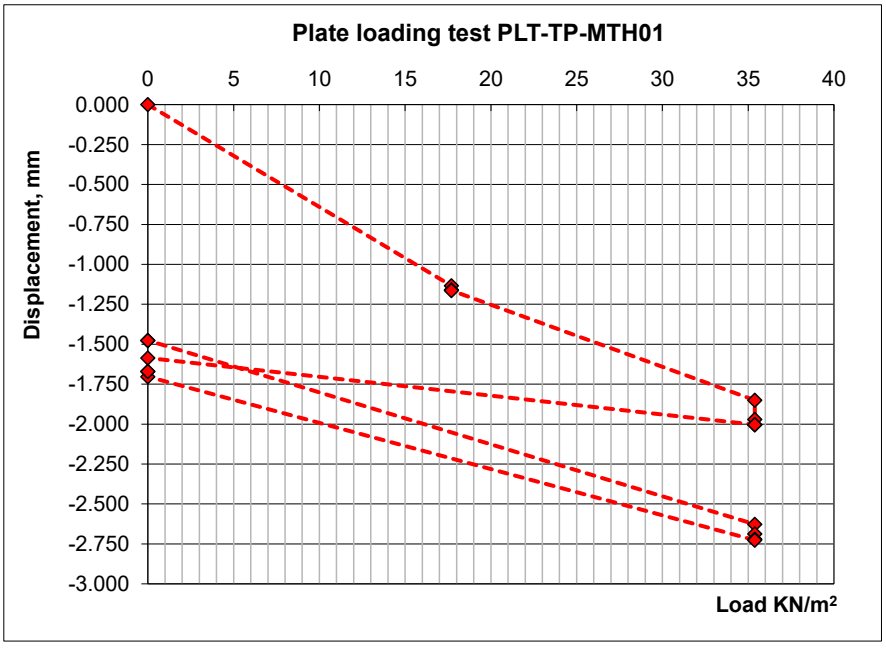
JOB REF:	P25205
JOB Name:	West Clare Greenway

Plate Bearing Test	PLT-TP-MTH01	
Test Number	1	
Depth	0.50	**m bgl**
Bedding Material	Sand	
Date	12/03/2026	
Ground Conditions	sandy very silty GRAVEL	
Seating Load	5kPa	
Plate Diameter	**600**	mm
Plate Area	0.2826	m^2

	G1	G2	G3	
Zero gauge	**0.00**	**0.00**	**0.00**	**0.00 mm**

Force (KN)	Pressure (kPa)	Time (min)	Div (mm)	Div (mm)	Div (mm)	Average	Δ h, mm
0	0	0	0.00	0.00	0.00	0.00	0.00
5	18	0	1.46	1.06	0.88	1.13	-1.13
5	18	1	1.52	1.08	0.88	1.16	-1.16
5	18	2	1.53	1.08	0.88	1.16	-1.16
10	35	0	2.32	1.87	1.36	1.85	-1.85
10	35	1	2.47	1.99	1.45	1.97	-1.97
10	35	2	2.51	2.01	1.49	2.00	-2.00
10	35	3	2.51	2.01	1.49	2.00	-2.00
0	0	0	1.84	1.94	0.98	1.59	-1.59
0	0	1	1.71	1.82	0.90	1.48	-1.48
0	0	2	1.71	1.82	0.90	1.48	-1.48
10	35	0	2.94	2.87	2.07	2.63	-2.63
10	35	1	3.00	2.92	2.14	2.69	-2.69
10	35	2	3.04	2.96	2.16	2.72	-2.72
10	35	3	3.05	2.97	2.16	2.73	-2.73
0	0	0	1.92	2.09	1.10	1.70	-1.70
0	0	1	1.89	2.07	1.05	1.67	-1.67
0	0	2	1.88	2.07	1.06	1.67	-1.67

Load to Achieve 1.25mm of Settlement:	**20** kPa
Subgrade Modulus ($MN/m^2/m$) k_{750}:	**13**
Estimated CBR (NRA DMRB HD25-26 3.62)	**0.9** %
Plate scaling factor	**0.83**
Plate rigidity factor	**1.00**



Photographic Record

Number:	**TP-MTH-01**	**Project**	West Clare Railway Greenway Section 1	
		Project No	P25205	
		Engineer	Roughan O'Donovan	

Photographic Record

Number:	**TP-MTH-01**	**Project**	West Clare Railway Greenway Section 1	
		Project No	P25205	
		Engineer	Roughan O'Donovan	

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Trial Pit No
TP-MTH-02
Sheet 1 of 1

Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 495889.02E - 658549.25N **Level:** 2.99m OD	**Date** 12/03/2026
Location: Co. Clare		**Dimensions (m):** 2.50 x 0.50 **Depth:** 2.50m BGL	**Scale** 1:25
Client: Clare County Council			**Logged** DS

Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
				0.10	2.89		(TOPSOIL)
							(MADE GROUND) Grey, very silty very sandy GRAVEL with low cobble content and concrete blocks. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded.
	0.50	B					
	0.50	D					
	0.50	ENV					
	0.50		HVP (kPa) =47 HVR (kPa) =19	0.70	2.29		Soft, brown, PEAT.
	0.50		HVP (kPa) =48 HVR (kPa) =25	0.90	2.09		Stiff, grey, slightly sandy gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded.
	0.50		HVP (kPa) =52 HVR (kPa) =23				
	1.00	B					
	1.00	D					
	1.00	ENV					
				2.50	0.49		End of Pit at 2.500m

Stability: Moderate
Plant: 13t track machine
Backfill: Arisings.

Groundwater: 0.50m: Steady rate of flow.

Remarks: Trial pit terminated at 2.50m bgl, refusal. Hand vane carried out at 0.50m bgl using 29mm blades.

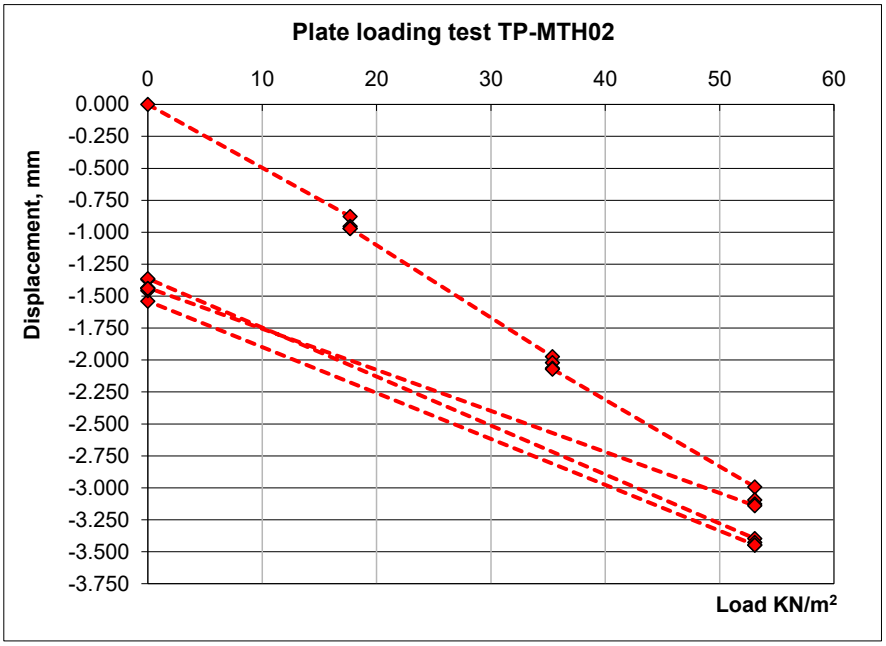
JOB REF:	P25205
JOB Name:	West Clare Greenway

Plate Bearing Test	PLT-TP-MTH02	
Test Number	1	
Depth	0.50	**m bgl**
Bedding Material	Sand	
Date	12/03/2026	
Ground Conditions	very silty very sandy GRAVEL	
Seating Load	5kPa	
Plate Diameter	**600**	mm
Plate Area	0.2826	m^2

	G1	G2	G3	
Zero gauge	**0.00**	**0.00**	**0.00**	**0.00 mm**

Force (KN)	Pressure (kPa)	Time (min)	Div (mm)	Div (mm)	Div (mm)	Average	Δ h, mm
0	0	0	0.00	0.00	0.00	0.00	0.00
5	18	0	0.82	1.07	0.74	0.88	-0.88
5	18	1	0.94	1.14	0.78	0.95	-0.95
5	18	2	0.96	1.15	0.80	0.97	-0.97
5	18	3	0.96	1.15	0.80	0.97	-0.97
10	35	0	1.94	2.07	1.91	1.97	-1.97
10	35	1	1.99	2.11	1.96	2.02	-2.02
10	35	2	2.03	2.15	2.01	2.06	-2.06
10	35	3	2.04	2.16	2.01	2.07	-2.07
15	53	0	3.04	3.12	2.82	2.99	-2.99
15	53	1	3.11	3.22	2.95	3.09	-3.09
15	53	2	3.14	3.25	2.99	3.13	-3.13
15	53	3	3.15	3.26	3.01	3.14	-3.14
0	0	0	1.54	1.72	1.04	1.43	-1.43
0	0	1	1.47	1.65	0.99	1.37	-1.37
0	0	2	1.46	1.65	0.98	1.36	-1.36
15	53	0	3.54	3.41	3.24	3.40	-3.40
15	53	1	3.57	3.45	3.26	3.43	-3.43
15	53	2	3.58	3.48	3.28	3.45	-3.45
15	53	3	3.58	3.48	3.28	3.45	-3.45
0	0	0	1.67	1.84	1.11	1.54	-1.54
0	0	1	1.60	1.74	1.03	1.46	-1.46
0	0	2	1.58	1.72	1.02	1.44	-1.44
0	0	3	1.58	1.72	1.02	1.44	-1.44

Load to Achieve 1.25mm of Settlement:	**23** kPa
Subgrade Modulus ($MN/m^2/m$) k_{750}:	**15**
Estimated CBR (NRA DMRB HD25-26 3.62)	**1.1** %
Plate scaling factor	**0.83**
Plate rigidity factor	**1.00**



Photographic Record

Number:	**TP-MTH-02**	**Project**	West Clare Railway Greenway Section 1	
		Project No	P25205	
		Engineer	Roughan O'Donovan	

Photographic Record

Number:	**Project** West Clare Railway Greenway Section 1 **Project No** P25205 **Engineer** Roughan O'Donovan	

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www.prioritygeotechnical.ie

Trial Pit No
ST-000
Sheet 1 of 1

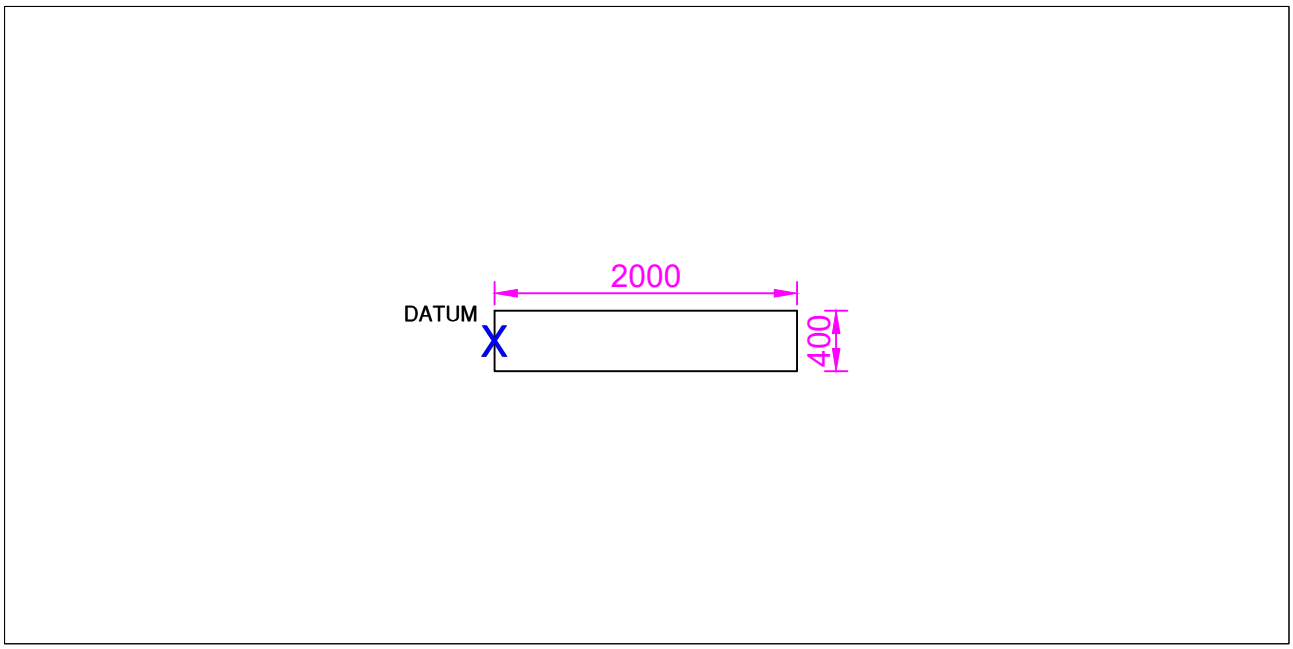
Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 488971.88E - 659648.56N **Level:** 11.43m OD	**Date** 12/03/2026
Location: Co. Clare		**Dimensions (m):** 2.00 x 0.40 **Depth:** 2.00m BGL	**Scale** 1:25
Client: Clare County Council			**Logged** DS

Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
				0.20	11.23		(TOPSOIL)
	0.50	B					Soft, yellowish brown, silty very sandy GRAVEL. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded.
	0.50	D					
	0.50		HVP (kPa) =46 HVR (kPa) =25	0.60	10.83		Firm, blueish grey, slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium sub-rounded.
	0.50		HVP (kPa) =53 HVR (kPa) =24				
	0.50		HVP (kPa) =67 HVR (kPa) =35				
	1.00	B					
	1.00	D		1.10	10.33		Dark brown, PEAT.
	1.50	B					
	1.50	D					
	2.00	D		2.00	9.43		End of Pit at 2.000m

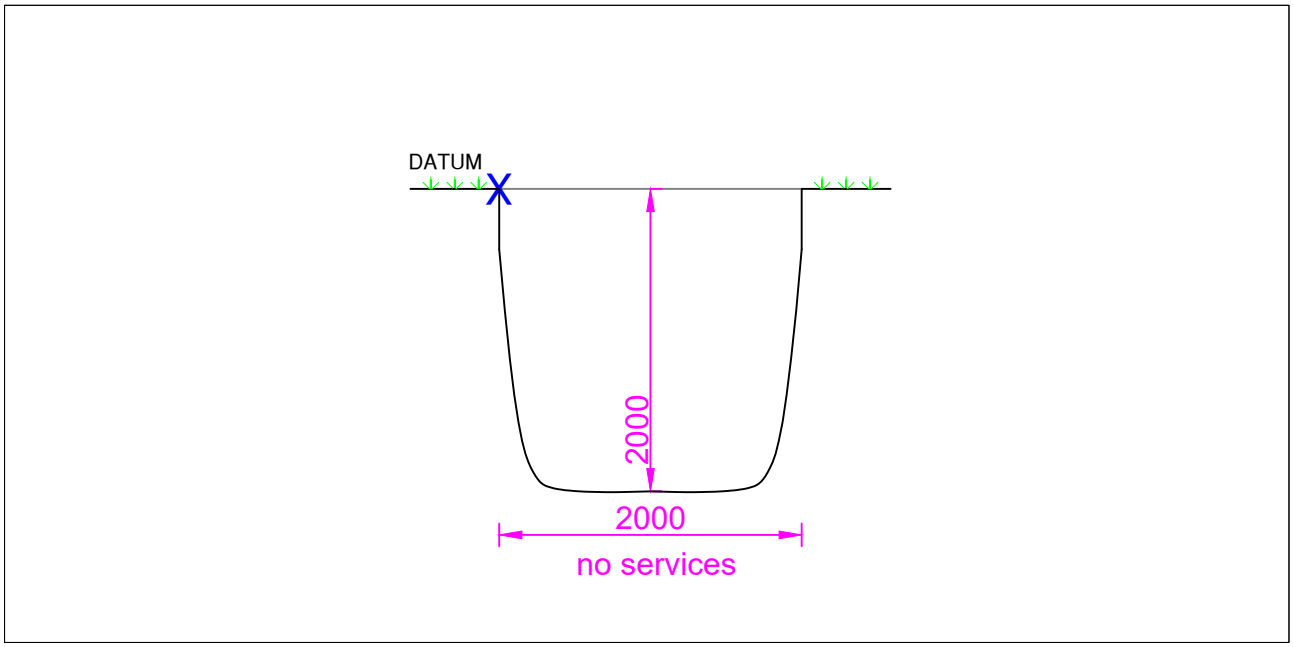
Stability: Good
Plant: 3t track machine
Backfill: Arisings

Groundwater: None encountered.

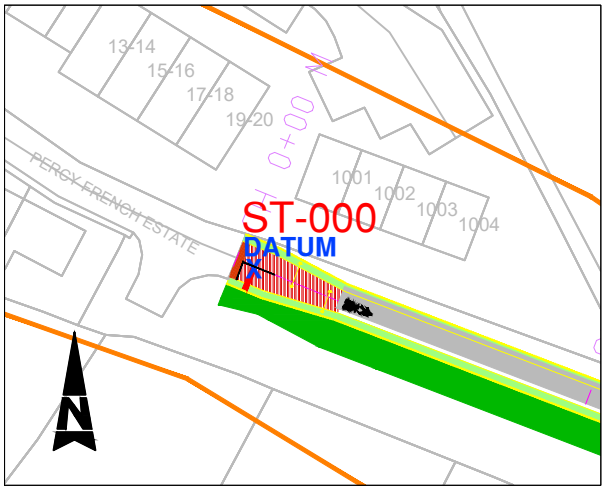
Remarks: Trench terminated at 2.0m bgl. Refer to DWG, job number P25205 trench number ST-000 for mcross sectional detail. Hand vane carried ot at 0.5m using 19mm blades.



SLIT TRENCH PLAN, 1:50 ON A4



SLIT TRENCH SECTION, 1:50 ON A4



SLIT TRENCH LOCATION PLAN, 1:1000 on A4

DATUM COORDINATES:
EASTING: 488971.88
NORTHING: 659648.55
LEVEL: 11.434mAOD

KEY:
DATUM: X

SLIT TRENCH DIMENSIONS:
LENGTH: 2.00m
WIDTH: 0.40m
DEPTH: 2.00m

STRATA SHOWN ON DETAILED LOG

DRAWN BY:	DATE:
Gary Curtin	26/03/2026
LOGGED BY:	DATE:
D.S.	12/03/2026

SCALE:	APPROVED:	REVISION:
AS STATED	GH	D01

SLIT TRENCH NUMBER:
ST000

JOB NAME:
West Clare Greenway

JOB NUMBER:
P25205

DRAWING NUMBER:
P25205-ST000

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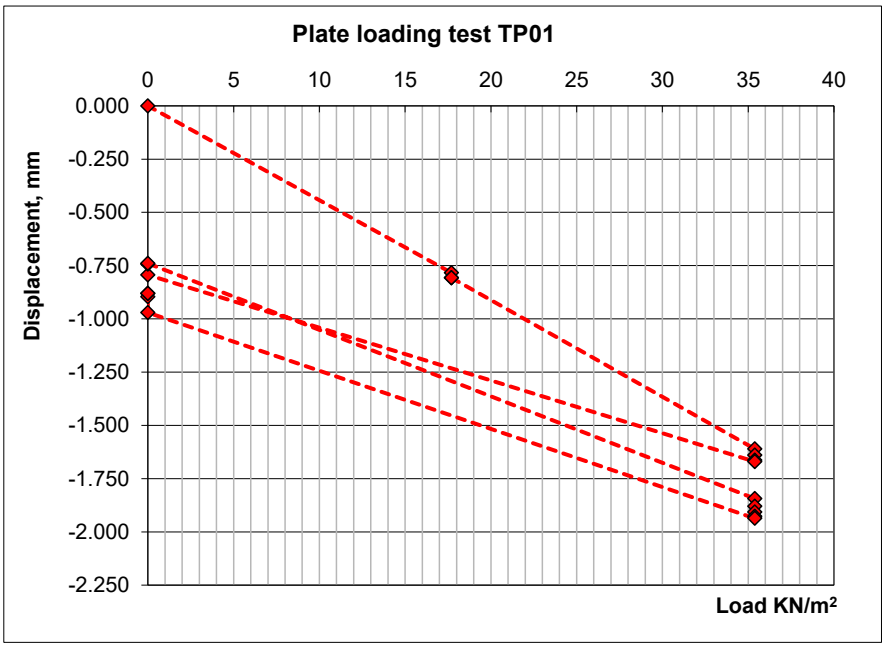
JOB REF:	P25205
JOB Name:	West Clare Greenway

Plate Bearing Test	PLT-ST000	
Test Number	1	
Depth	0.50	**m bgl**
Bedding Material	Sand	
Date	12/03/2026	
Ground Conditions	Slight sandy slightly gravelly SILT	
Seating Load	5kPa	
Plate Diameter	**600**	mm
Plate Area	0.2826	m^2

	G1	G2	G3	
Zero gauge	**0.00**	**0.00**	**0.00**	**0.00 mm**

Force (KN)	Pressure (kPa)	Time (min)	Div (mm)	Div (mm)	Div (mm)	Average	Δ h, mm
0	0	0	0.00	0.00	0.00	0.00	0.00
5	18	0	0.71	0.62	1.02	0.78	-0.78
5	18	1	0.74	0.64	1.04	0.81	-0.81
5	18	2	0.74	0.64	1.04	0.81	-0.81
10	35	0	1.57	1.32	1.94	1.61	-1.61
10	35	1	1.59	1.35	1.98	1.64	-1.64
10	35	2	1.63	1.37	1.99	1.66	-1.66
10	35	3	1.64	1.38	1.99	1.67	-1.67
0	0	0	0.99	0.87	0.52	0.79	-0.79
0	0	1	0.94	0.80	0.49	0.74	-0.74
0	0	2	0.93	0.80	0.49	0.74	-0.74
10	35	0	1.84	1.62	2.07	1.84	-1.84
10	35	1	1.90	1.65	2.09	1.88	-1.88
10	35	2	1.94	1.67	2.11	1.91	-1.91
10	35	3	1.95	1.69	2.14	1.93	-1.93
10	35	4	1.97	1.70	2.14	1.94	-1.94
0	0	0	1.21	0.99	0.71	0.97	-0.97
0	0	1	1.14	0.91	0.64	0.90	-0.90
0	0	2	1.12	0.90	0.62	0.88	-0.88
0	0	3	1.12	0.90	0.62	0.88	-0.88

Load to Achieve 1.25mm of Settlement:	**27**	kPa
Subgrade Modulus ($MN/m^2/m$) k_{750}:	**18**	
Estimated CBR (NRA DMRB HD25-26 3.62)	**1.5**	%
Plate scaling factor	**0.83**	
Plate rigidity factor	**1.00**	



No	Job	Location	Date	Engineer
P25205	West Clare Greenway	DCP-ST000	12/03/2026	DS

Drop	Weight	Cone	Correlation
575mm	8kg	60°	TRL DCP

Starting Depth mm	Ground Level	Easting	Northing
0	11.43	488971.89	659648.56

Blows	Depth (m bgl)	Penetration (mm)	Penetration Per blow (mm)	CBR, % (Kleyn)	CBR, % (TII DN-PAV-03021)
0	0.100	100	-	-	-
1	0.220	120	120	0.9	1.9
1	0.300	80	80	1.6	2.9
1	0.390	90	90	1.4	2.6
1	0.410	20	20	9.1	13
1	0.440	30	30	5.5	8.3
1	0.470	30	30	5.5	8.3
1	0.495	25	25	6.9	10
1	0.515	20	20	9.1	13
1	0.525	10	10	22	26
1	0.535	10	10	22	26
1	0.540	5	5	53	55
1	0.550	10	10	22	26
1	0.560	10	10	22	26
1	0.570	10	10	22	26
1	0.580	10	10	22	26
25	0.580	0	0	-	-

Adjustments	0.71	moderate
	0.5	dry
	0.35	very dry
	0.5	not assessed

Photographic Record

Number:	**ST-000**	**Project**	West Clare Railway Greenway Section 1
		Project No	P25205
		Engineer	Roughan O'Donovan

Photographic Record

Number:	**ST-000**	**Project**	West Clare Railway Greenway Section 1
		Project No	P25205
		Engineer	Roughan O'Donovan

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Trial Pit No
ST-625
Sheet 1 of 1

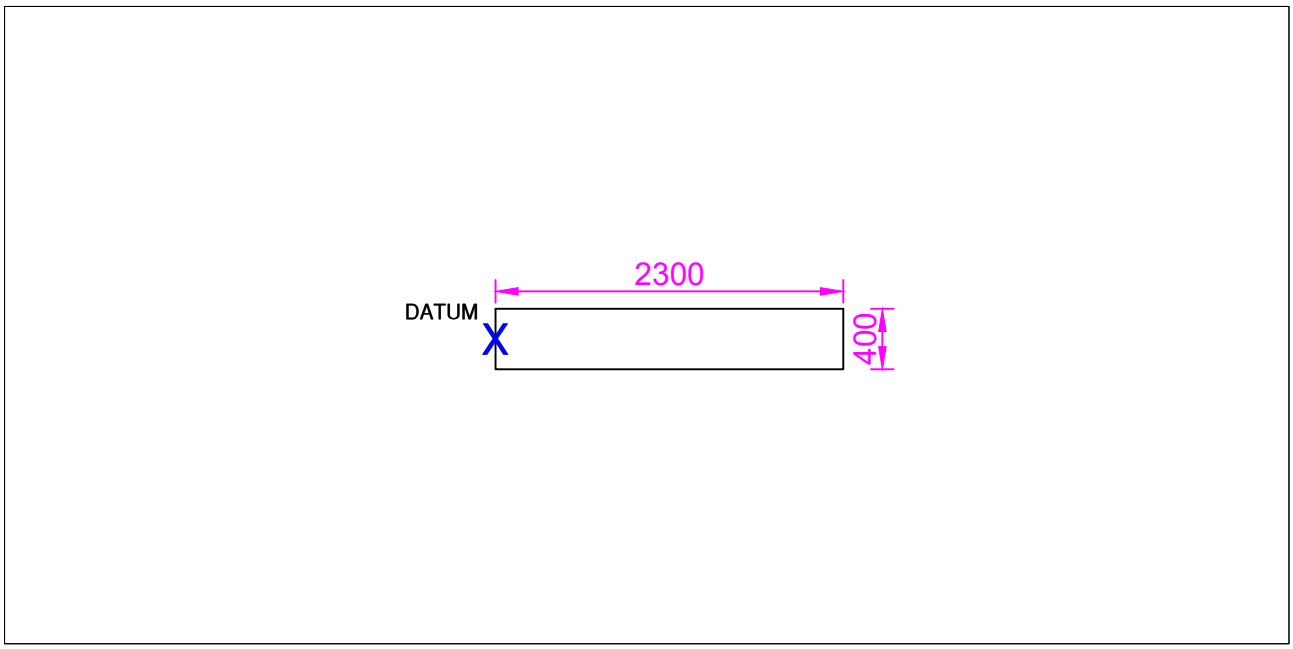
Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 489539.06E - 659426.16N **Level:** 12.82m OD	**Date** 11/03/2026
Location: Co. Clare	**Dimensions (m):** 2.30 × 0.40		**Scale** 1:25
Client: Clare County Council	**Depth:** 1.50m BGL		**Logged** DS

Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
				0.20	12.62		(TOPSOIL)
	0.50	B					Very soft, black, PEAT.
	0.50	D					
	0.50		HVP (kPa) =25 HVR (kPa) =19				
	0.50		HVP (kPa) =30 HVR (kPa) =13				
	0.50		HVP (kPa) =33 HVR (kPa) =18				
▼	1.20	B		1.20	11.62		Stiff, light gray, slightly gravelly slightly sandy SILT. Sand is fine to coarse. Gravel is fine to coarse.
	1.20	D					
				1.50	11.32		End of Pit at 1.500m

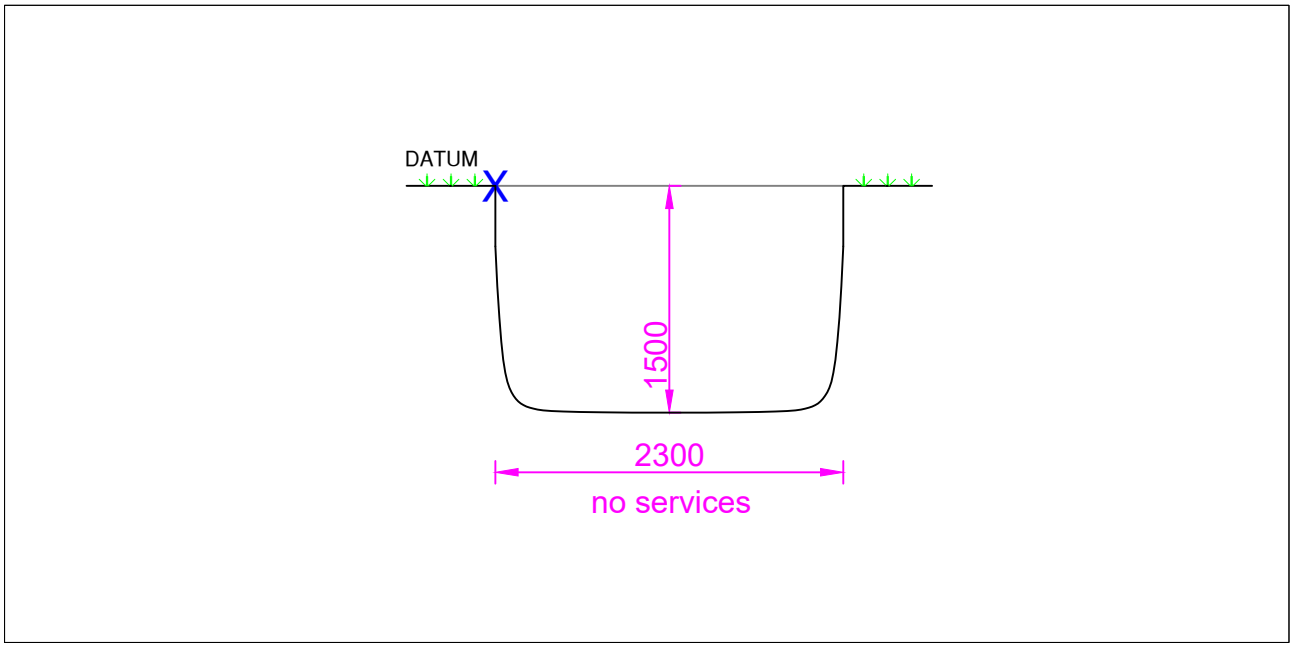
Stability: Good
Plant: 3t track machine
Backfill: Arisings

Groundwater: 1.20m: Fast rate of flow

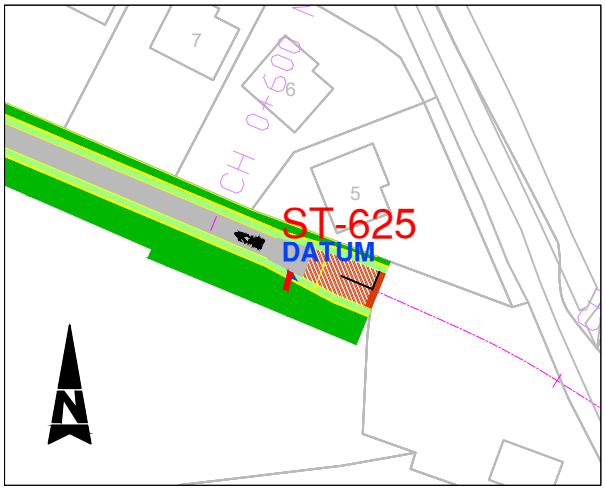
Remarks: Trench terminated at 1.5m. Refer to DWG, job number P25205 trench number ST-625, for cross sectional details. Hand vane carried out at 0.5m bgl using 19mm blades.



SLIT TRENCH PLAN, 1:50 ON A4



SLIT TRENCH SECTION, 1:50 ON A4



SLIT TRENCH LOCATION PLAN, 1:1000 ON A4

DATUM COORDINATES:
EASTING: 489539.06
NORTHING: 659426.16
LEVEL: 12.824mAOD

KEY:
DATUM: X

SLIT TRENCH DIMENSIONS:
LENGTH: 2.30m
WIDTH: 0.40m
DEPTH: 1.50m

STRATA SHOWN ON DETAILED LOG

DRAWN BY:	DATE:
Gary Curtin	26/03/2026
LOGGED BY:	DATE:
D.S.	11/03/2026

SCALE:	APPROVED:	REVISION:
AS STATED	GH	D01

SLIT TRENCH NUMBER:
ST625

JOB NAME:
West Clare Greenway

JOB NUMBER:
P25205

DRAWING NUMBER:
P25205-ST625

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No	Job	Location	Date	Engineer
P25205	West Clare Greenway	DCP-ST625	11/03/2026	DS

Drop	Weight	Cone	Correlation
575mm	8kg	60°	TRL DCP

Starting Depth mm	Ground Level	Easting	Northing
0	12.82	489539.06	659426.16

Blows	Depth (m bgl)	Penetration (mm)	Penetration Per blow (mm)	CBR, % (Kleyn)	CBR, % (TII DN-PAV-03021)
0	0.080	80	-	-	-
1	0.150	70	70	1.9	3.4
1	0.190	40	40	3.8	6.1
1	0.220	30	30	5.5	8.3
1	0.240	20	20	9.1	13
1	0.260	20	20	9.1	13
1	0.280	20	20	9.1	13
1	0.310	30	30	5.5	8.3
1	0.315	5	5	53	55
25	0.315	0	0	-	-

Adjustments		
	0.71	moderate
	0.5	dry
	0.35	very dry
	0.5	not assessed

Photographic Record

Number:	**ST-625**	**Project**	West Clare Railway Greenway Section 1
		Project No	P25205
		Engineer	Roughan O'Donovan

Photographic Record

Number:	**ST-625**	**Project**	West Clare Railway Greenway Section 1	
		Project No	P25205	
		Engineer	Roughan O'Donovan	

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Trial Pit No
ST-670
Sheet 1 of 1

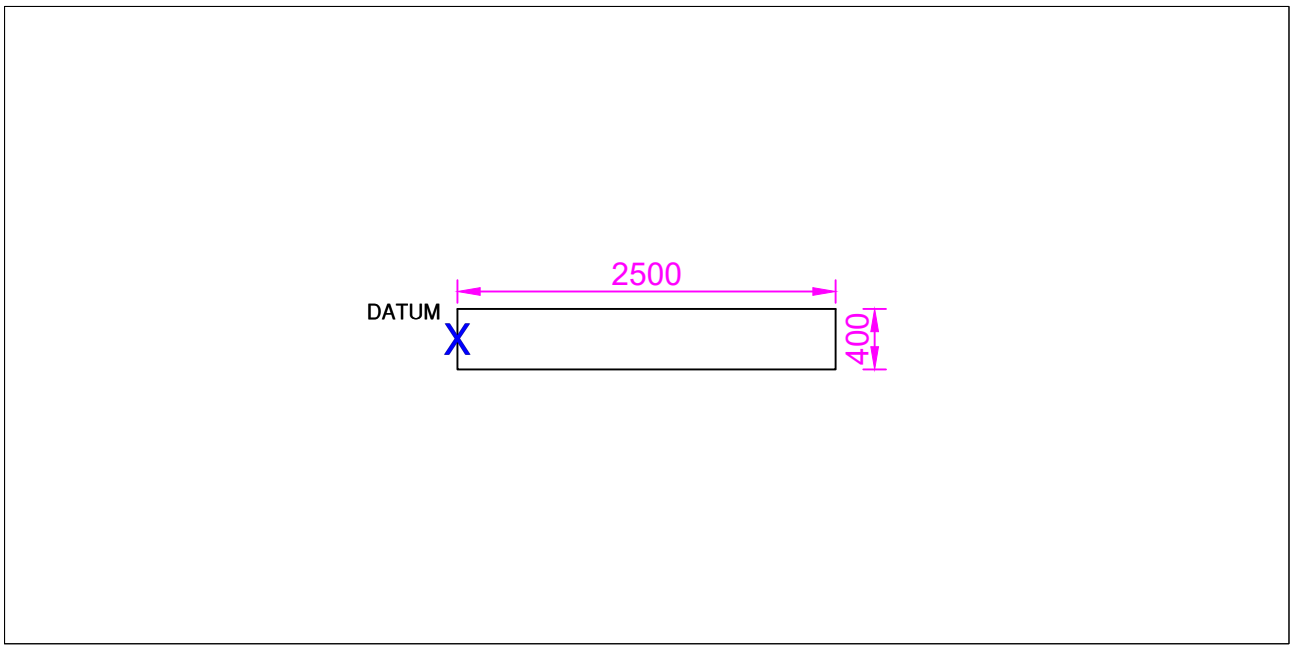
Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 489593.63E - 659403.73N **Level:** 13.93m OD	**Date** 11/03/2026
Location: Co. Clare		**Dimensions (m):** 2.50 x 0.40 **Depth:** 2.00m BGL	**Scale** 1:25
Client: Clare County Council			**Logged** DS

Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
				0.10	13.83		(TOPSOIL)
							Black, silty very sandy GRAVEL. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded.
	0.50	B					
	0.50	D					
	0.50		HVP (kPa) =54 HVR (kPa) =35	0.60	13.33		
	0.50		HVP (kPa) =57 HVR (kPa) =22				Stiff, grey, slightly sandy slightly gravelly CLAY with with high cobble content. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded. Cobbles are sub-rounded, of Limestone lithology and up to 150mm in diameter.
	0.50		HVP (kPa) =64 HVR (kPa) =25				
	1.00	B					
	1.00	D					
	2.00	B		2.00	11.93		End of Pit at 2.000m
	2.00	D					

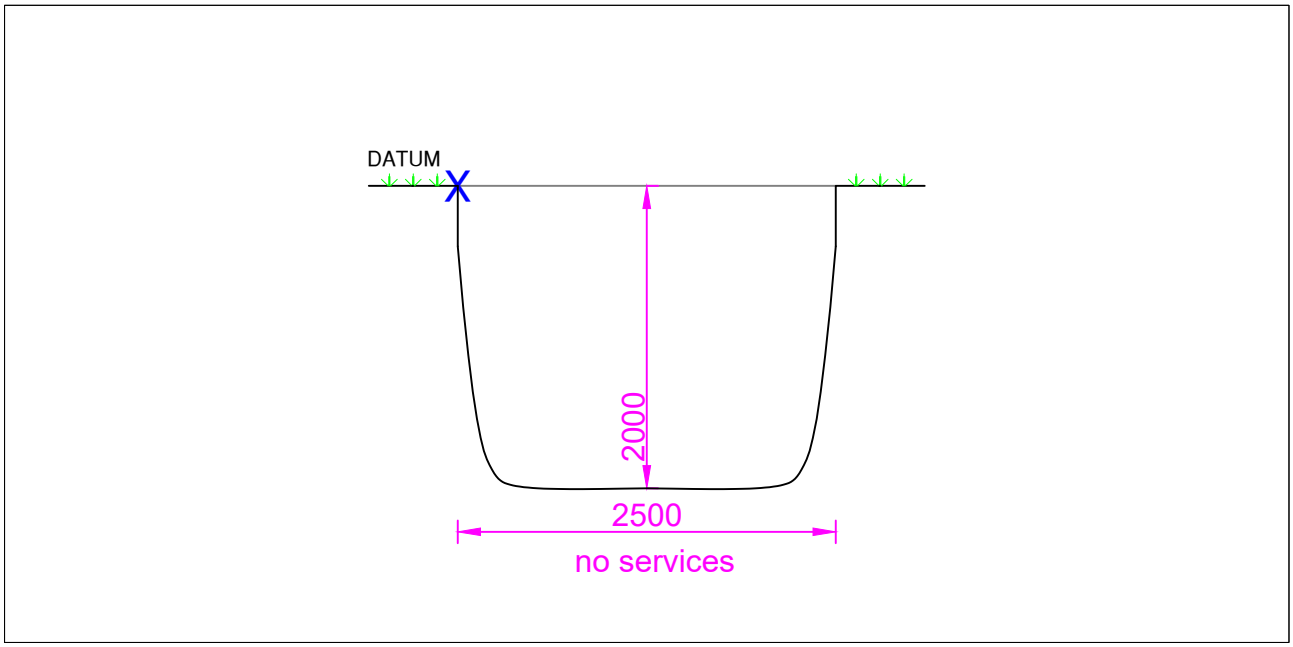
Stability: Good
Plant: 3t Track machune
Backfill: Arisings

Groundwater: None encountered

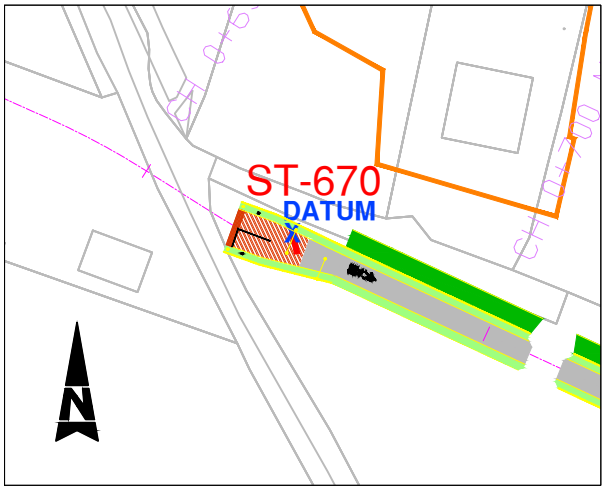
Remarks: Trench terminated at 2.0m bgl. Refer to DWG, job number P25205 trench number ST-670, for cross sectional details. Hand vane carried out at 0.5m bgl using 19mm blades.



SLIT TRENCH PLAN, 1:50 ON A4



SLIT TRENCH SECTION, 1:50 ON A4



SLIT TRENCH LOCATION PLAN, 1:1000 ON A4

DATUM COORDINATES:
EASTING: 489593.62
NORTHING: 659403.73
LEVEL: 13.93mAOD

KEY:
DATUM: X

SLIT TRENCH DIMENSIONS:
LENGTH: 2.50m
WIDTH: 0.40m
DEPTH: 2.00m

STRATA SHOWN ON DETAILED LOG

DRAWN BY:		DATE:
Gary Curtin		26/03/2026
LOGGED BY:		DATE:
D.S.		11/03/2026
SCALE:	APPROVED:	REVISION:
AS STATED	GH	D01

SLIT TRENCH NUMBER:
ST670

JOB NAME:
West Clare Greenway

JOB NUMBER:
P25205

DRAWING NUMBER:
P25205-ST670

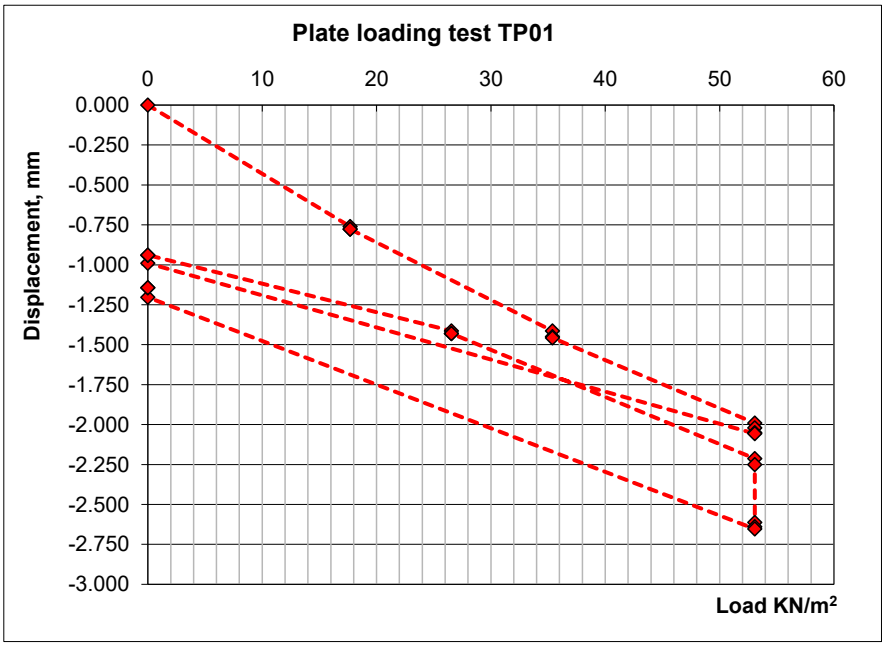
JOB REF:	P25205
JOB Name:	West Clare Greenway

Plate Bearing Test	PLT-ST670	
Test Number	1	
Depth	0.50	**m bgl**
Bedding Material	sand	
Date	11/03/2026	
Ground Conditions	sn gr SILT.	
Seating Load	5kPa	
Plate Diameter	**600**	mm
Plate Area	0.2826	m^2

	G1	G2	G3	
Zero gauge	**0.00**	**0.00**	**0.00**	**0.00 mm**

Force (KN)	Pressure (kPa)	Time (min)	Div (mm)	Div (mm)	Div (mm)	Average	Δ h, mm
0	0	0	0.00	0.00	0.00	0.00	0.00
5	18	0	1.02	0.84	0.42	0.76	-0.76
5	18	1	1.05	0.85	0.43	0.78	-0.78
5	18	2	1.05	0.85	0.43	0.78	-0.78
10	35	0	1.94	1.42	0.88	1.41	-1.41
10	35	1	1.97	1.45	0.93	1.45	-1.45
10	35	2	1.98	1.45	0.94	1.46	-1.46
15	53	0	2.67	1.99	1.31	1.99	-1.99
15	53	1	2.69	2.03	1.34	2.02	-2.02
15	53	2	2.73	2.05	1.37	2.05	-2.05
15	53	3	2.74	2.06	1.37	2.06	-2.06
0	0	0	1.24	1.11	0.62	0.99	-0.99
0	0	1	1.19	1.06	0.57	0.94	-0.94
0	0	2	1.19	1.06	0.57	0.94	-0.94
7.5	27	0	1.87	1.45	0.92	1.41	-1.41
7.5	27	1	1.88	1.47	0.94	1.43	-1.43
7.5	27	2	1.88	1.47	0.94	1.43	-1.43
15	53	0	2.91	2.22	1.51	2.21	-2.21
15	53	1	2.94	2.25	1.56	2.25	-2.25
15	53	2	2.97	2.28	2.59	2.61	-2.61
15	53	3	2.99	2.31	2.62	2.64	-2.64
15	53	4	3.01	2.32	2.63	2.65	-2.65
0	0	0	1.47	1.25	0.89	1.20	-1.20
0	0	1	1.44	1.19	0.80	1.14	-1.14
0	0	2	1.44	1.19	0.80	1.14	-1.14

Load to Achieve 1.25mm of Settlement:	**31** kPa
Subgrade Modulus ($MN/m^2/m$) k_{750}:	**21**
Estimated CBR (NRA DMRB HD25-26 3.62)	**1.8** %
Plate scaling factor	**0.83**
Plate rigidity factor	**1.00**



No	Job	Location	Date	Engineer
P25205	West Clare Greenway	DCP-ST670	11/03/2026	DS

Drop	Weight	Cone	Correlation
575mm	8kg	60°	TRL DCP

Starting Depth mm	Ground Level	Easting	Northing
0	13.93	489593.63	659403.73

Blows	Depth (m bgl)	Penetration (mm)	Penetration Per blow (mm)	CBR, % (Kleyn)	CBR, % (TII DN-PAV-03021)
0	0.090	90	-	-	-
1	0.170	80	80	1.6	2.9
1	0.250	80	80	1.6	2.9
1	0.270	20	20	9.1	13
1	0.350	80	80	1.6	2.9
1	0.410	60	60	2.3	4.0
1	0.440	30	30	5.5	8.3
1	0.460	20	20	9.1	13
1	0.480	20	20	9.1	13
1	0.490	10	10	22	26
1	0.505	15	15	13	17
1	0.515	10	10	22	26
1	0.520	5	5	53	55
25	0.520	0	0	-	-

Adjustments	0.71	moderate
	0.5	dry
	0.35	very dry
	0.5	not assessed

Photographic Record

Number:	**ST-670**	**Project**	West Clare Railway Greenway Section 1
		Project No	P25205
		Engineer	Roughan O'Donovan

Photographic Record

Number:	**ST-670**	**Project**	West Clare Railway Greenway Section 1	
		Project No	P25205	
		Engineer	Roughan O'Donovan	

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Trial Pit No
ST-7960
Sheet 1 of 1

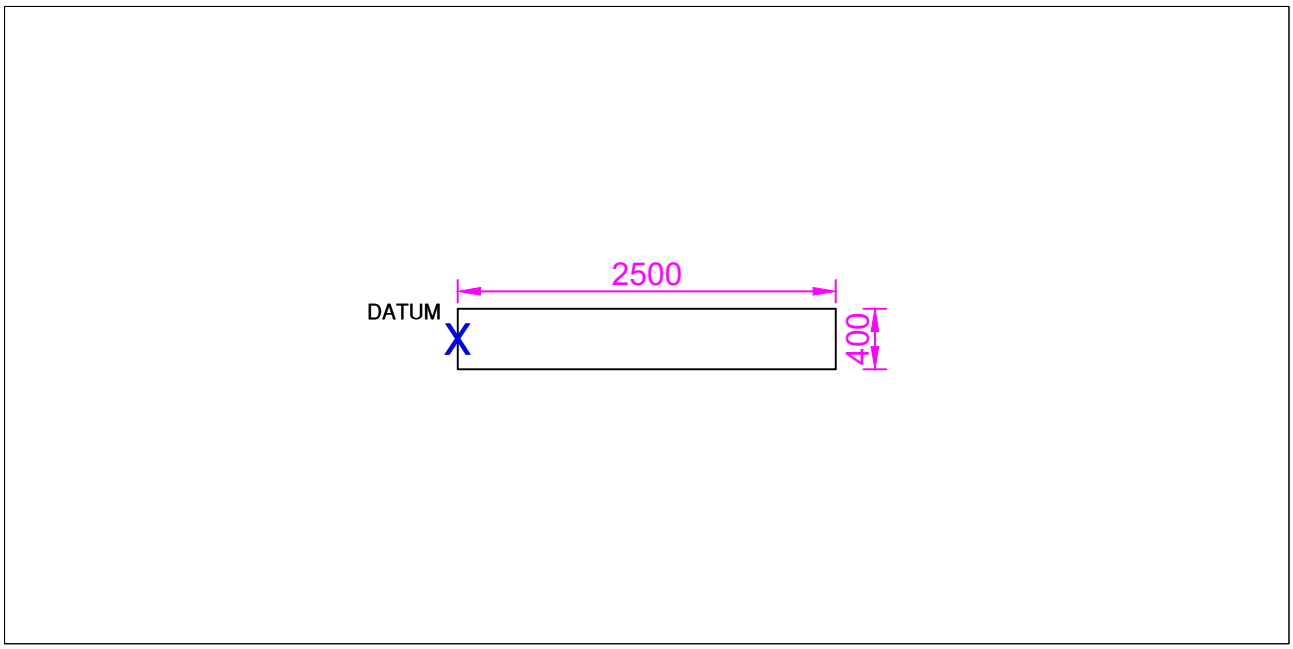
Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 495901.26E - 658541.51N **Level:** 2.90m OD	**Date** 12/03/2026
Location: Co. Clare		**Dimensions (m):** 2.50 x 0.40 **Depth:** 1.70m BGL	**Scale** 1:25
Client: Clare County Council			**Logged** DS

Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
				0.10	2.80		(TOPSOIL)
	0.50 0.50 0.50 0.50 0.50 0.50 1.00 1.00 1.00	B D ENV B D ENV	HVP (kPa) =27 HVR (kPa) =13 HVP (kPa) =32 HVR (kPa) =12 HVP (kPa) =44 HVR (kPa) =20	0.70 0.90	2.19 2.00		(MADE GROUND) Grey, very sandy very silty GRAVEL with concrete blocks. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to rounded. Soft, brown, PEAT. Brown, very sandy very clayey GRAVEL with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded.
				1.70	1.20		End of Pit at 1.700m

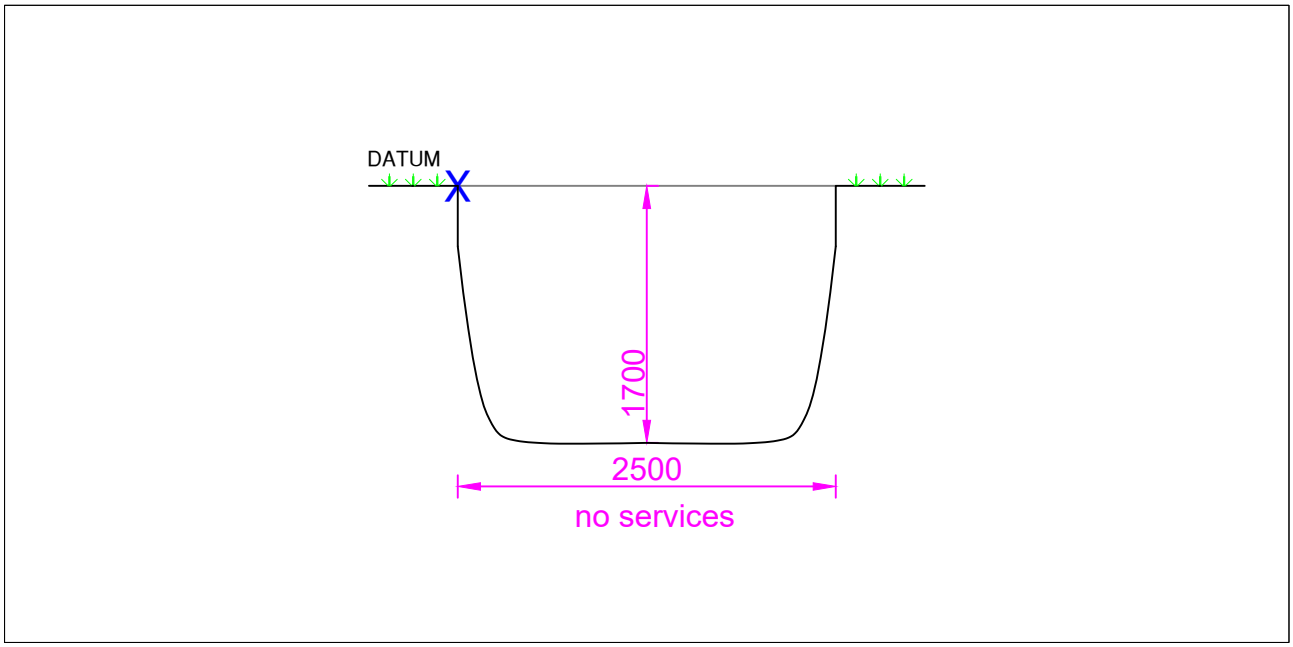
Stability: Good
Plant: 3t track machine
Backfill: Arisings.

Groundwater: 0.40m: Slow rate of flow.

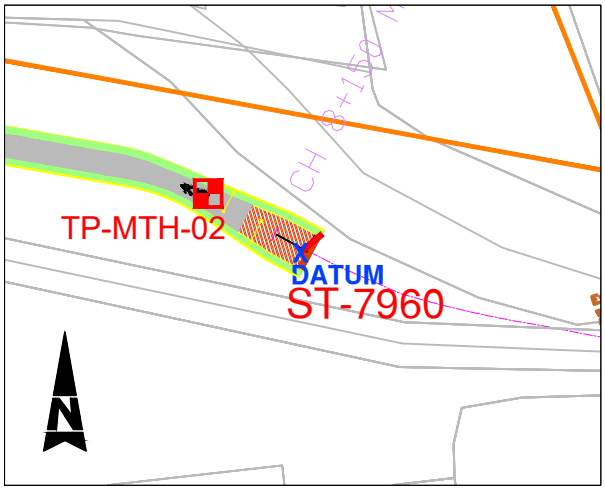
Remarks: Trench terminated at 1.70m bgl. Refer to DWG, job number P25205 trench number ST-7960, for cross sectional detail. Hand vane carried out at 0.50m bgl using 19mm blades.



SLIT TRENCH PLAN, 1:50 ON A4



SLIT TRENCH SECTION, 1:50 ON A4



SLIT TRENCH LOCATION PLAN, 1:1000 ON A4

DATUM COORDINATES:
EASTING: 495901.25
NORTHING: 658541.51
LEVEL: 2.895mAOD

KEY:
DATUM: X

SLIT TRENCH DIMENSIONS:
LENGTH: 2.50m
WIDTH: 0.40m
DEPTH: 1.70m

STRATA SHOWN ON DETAILED LOG

DRAWN BY:	DATE:
Gary Curtin	26/03/2026
LOGGED BY:	DATE:
D.S.	12/03/2026

SCALE:	APPROVED:	REVISION:
AS STATED	GH	D01

SLIT TRENCH NUMBER:
ST7960

JOB NAME:
West Clare Greenway

JOB NUMBER:
P25205

DRAWING NUMBER:
P25205-ST7960

pgl priority geotechnical

Photographic Record

Number:	**ST-7960**	**Project**	West Clare Railway Greenway Section 1
		Project No	P25205
		Engineer	Roughan O'Donovan

Photographic Record

Number:	**Project** West Clare Railway Greenway Section 1 **Project No** P25205 **Engineer** Roughan O'Donovan	

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Trial Pit No
ST-8010
Sheet 1 of 1

Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 495953.65E - 658523.88N **Level:** 3.04m OD	**Date** 11/03/2026
Location: Co. Clare		**Dimensions (m):** 1.90 x 0.70 **Depth:** 1.40m BGL	**Scale** 1:25
Client: Clare County Council			**Logged** DS

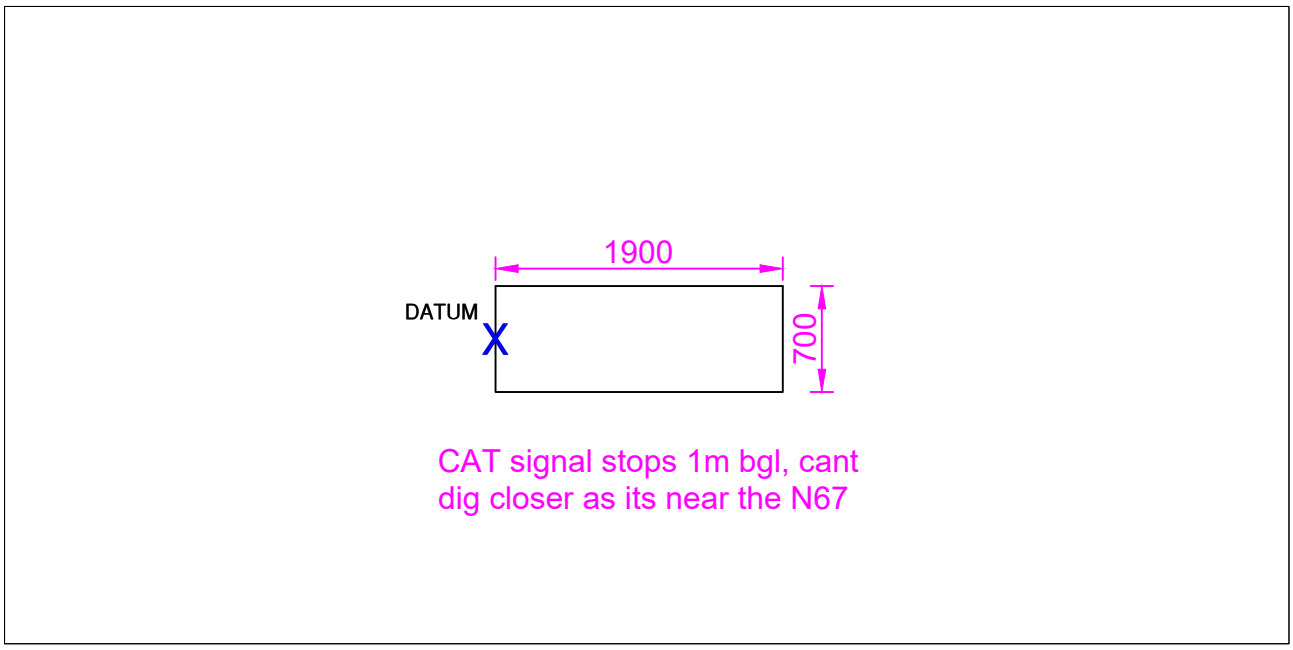
Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
	0.50 0.50 0.50	B D ENV					(MADE GROUND) Grey, slightly silty sandy GRAVEL. Sand is fine to coarse. Gravel is fine to medium and is sub-angular to sub-rounded.
				1.40	1.64		End of Pit at 1.400m

1
2
3
4
5

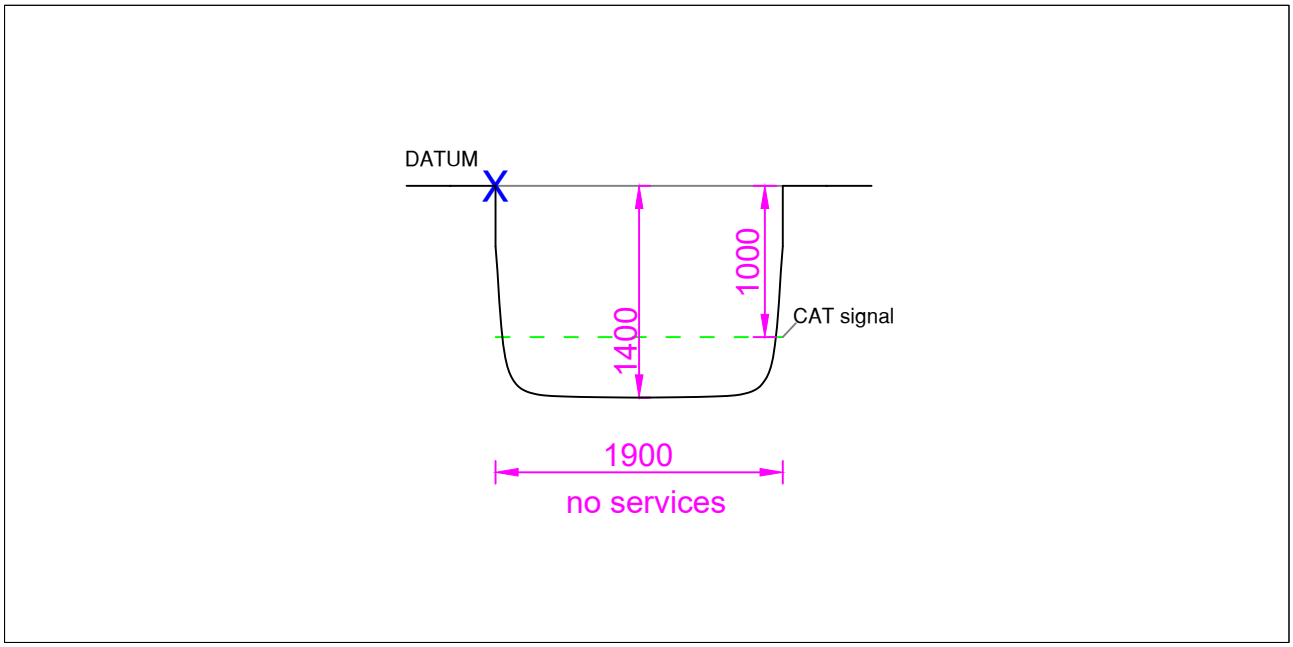
Stability: Poor
Plant: 3t track machine
Backfill: Arisings

Groundwater: 1.40m: Slow rate of flow

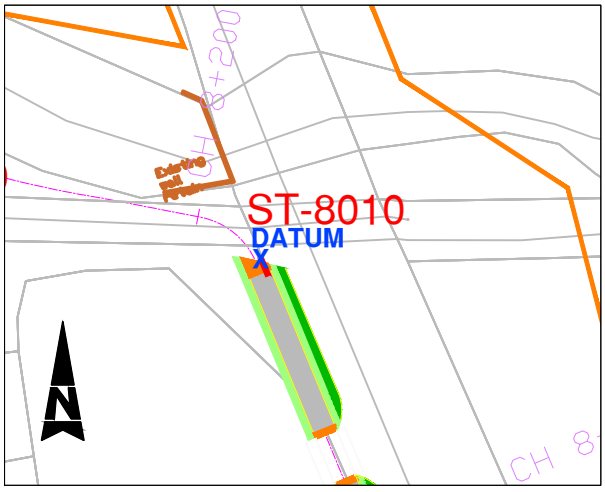
Remarks: Trench terminated at 1.4m bgl. Refer to DWG, job number P25205, for cross sectional details. Hand vane not carried out due to unsuitable material



SLIT TRENCH PLAN, 1:50 ON A4



SLIT TRENCH SECTION, 1:50 ON A4



SLIT TRENCH LOCATION PLAN, 1:1000 ON A4

DATUM COORDINATES:
EASTING: 495953.65
NORTHING: 658523.88
LEVEL: 3.041mAOD

KEY:
DATUM: X

SLIT TRENCH DIMENSIONS:
LENGTH: 1.90m
WIDTH: 0.70m
DEPTH: 1.40m

STRATA SHOWN ON DETAILED LOG

DRAWN BY:	DATE:
Gary Curtin	26/03/2026
LOGGED BY:	DATE:
D.S.	11/03/2026

SCALE:	APPROVED:	REVISION:
AS STATED	GH	D01

SLIT TRENCH NUMBER:
ST8010

JOB NAME:
West Clare Greenway

JOB NUMBER:
P25205

DRAWING NUMBER:
P25205-ST8010

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No	Job	Location	Date	Engineer
P25205	West Clare Greenway	DCP-ST8010	11/03/2026	DS

Drop	Weight	Cone	Correlation
575mm	8kg	60°	TRL DCP

Starting Depth mm	Ground Level	Easting	Northing
0	3.04	495953.65	658523.88

Blows	Depth (m bgl)	Penetration (mm)	Penetration Per blow (mm)	CBR, % (Kleyn)	CBR, % (TII DN-PAV-03021)
0	0.050	50	-	-	-
1	0.070	20	20	9.1	13
1	0.080	10	10	22	26
1	0.090	10	10	22	26
1	0.100	10	10	22	26
1	0.105	5	5	53	55
25	0.105	0	0	-	-

Adjustments	0.71	moderate
	0.5	dry
	0.35	very dry
	0.5	not assessed

Photographic Record

Number:	**ST-8010**	**Project**	West Clare Railway Greenway Section 1	
		Project No	P25205	
		Engineer	Roughan O'Donovan	

Photographic Record

Number:	**ST-8010**	**Project**	West Clare Railway Greenway Section 1	
		Project No	P25205	
		Engineer	Roughan O'Donovan	

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Trial Pit No
ST-8100
Sheet 1 of 1

Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 495987.74E - 658450.25N **Level:** 3.57m OD	**Date** 11/03/2026
Location: Co. Clare		**Dimensions (m):** 1.50 x 0.50 **Depth:** 0.55m BGL	**Scale** 1:25
Client: Clare County Council			**Logged** DS

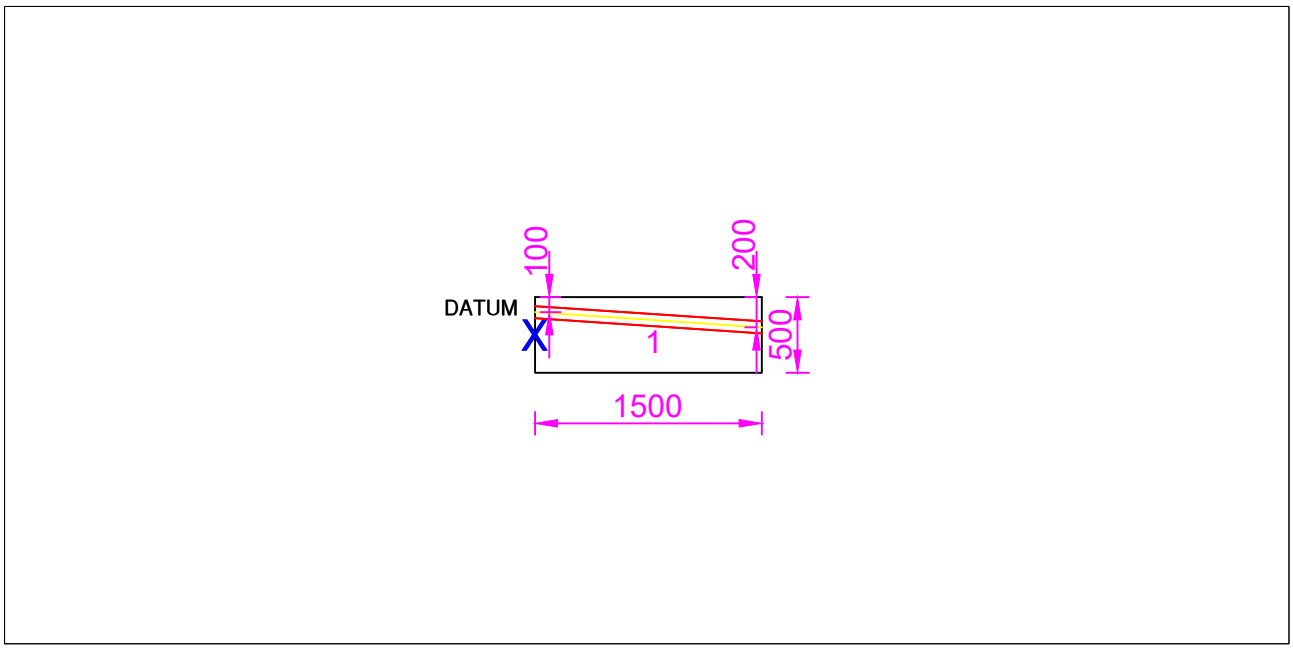
Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
				0.20	3.37		(TOPSOIL)
	0.50	B					Soft, dark brown, slightly sandy gravelly SILT. sand is fine to coarse. Gravel is fine to coarse and is angular.
	0.50	D		0.55	3.02		
	0.50		HVP (kPa) =49 HVR (kPa) =22				End of Pit at 0.550m
	0.50		HVP (kPa) =51 HVR (kPa) =27				
	0.50		HVP (kPa) =53 HVR (kPa) =19				

1
2
3
4
5

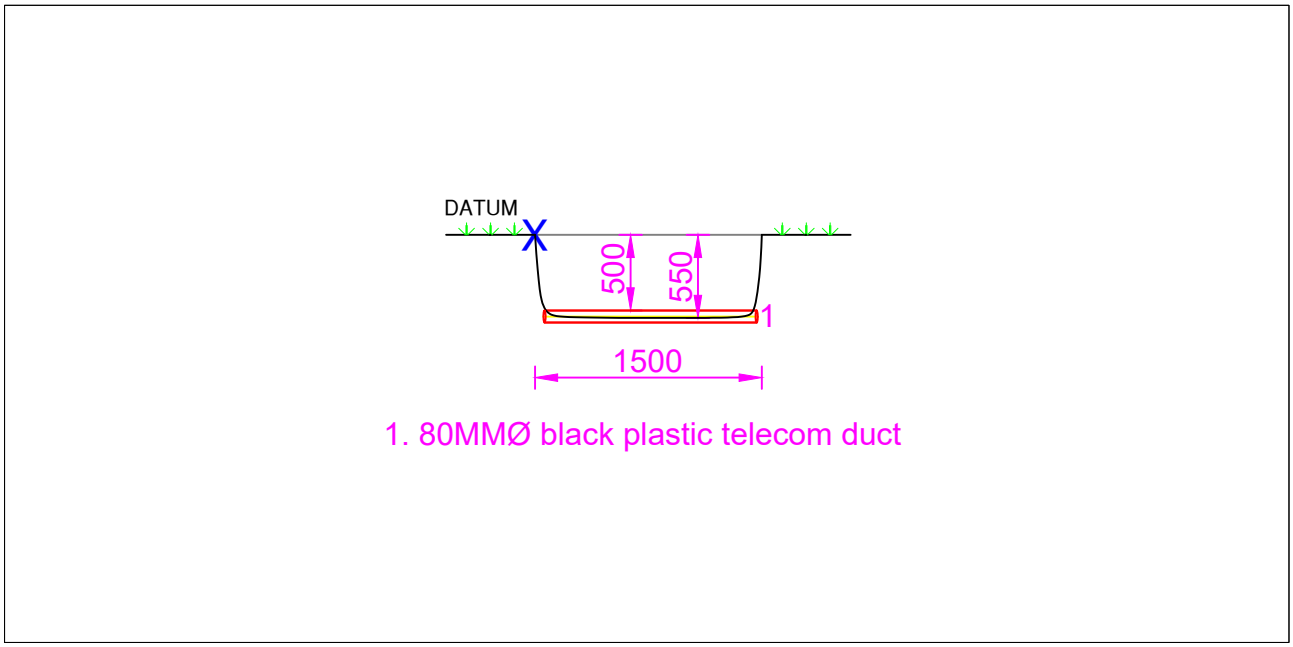
Stability: Moderate
Plant: 3t track machine
Backfill: Arisings

Groundwater: None encountered

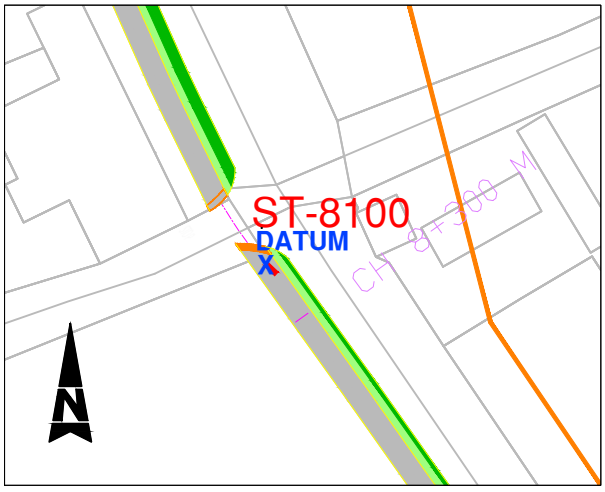
Remarks: Trench terminated at 0.55m bgl. Refer to DWG, job number P25205 trench number ST-8100, for cross sectional details. Hand vane carried out at 0.50m bgl using 19mm blades.



SLIT TRENCH PLAN, 1:50 ON A4



SLIT TRENCH SECTION, 1:50 ON A4



SLIT TRENCH LOCATION PLAN, 1:1000 ON A4

DATUM COORDINATES:
EASTING: 495987.73
NORTHING: 658450.24
LEVEL: 3.57mAOD

KEY:
DATUM: X

SLIT TRENCH DIMENSIONS:
LENGTH: 1.50m
WIDTH: 0.50m
DEPTH: 0.55m

STRATA SHOWN ON DETAILED LOG

DRAWN BY:	DATE:
Gary Curtin	26/03/2026
LOGGED BY:	DATE:
D.S.	11/03/2026

SCALE:	APPROVED:	REVISION:
AS STATED	GH	D01

SLIT TRENCH NUMBER:
ST8100

JOB NAME:
West Clare Greenway

JOB NUMBER:
P25205

DRAWING NUMBER:
P25205-ST8100

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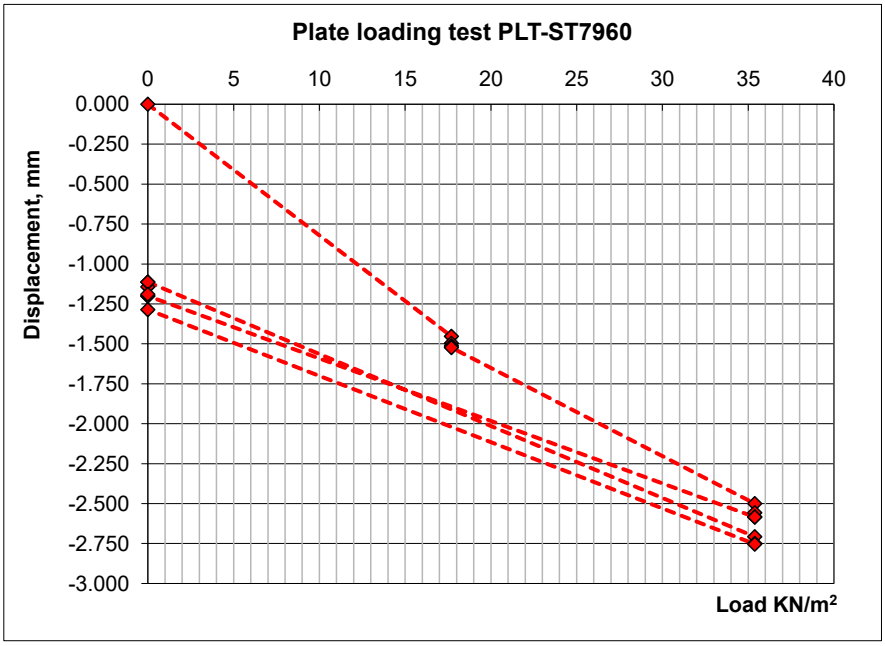
JOB REF:	P25205
JOB Name:	West Clare Greenway

Plate Bearing Test	PLT-ST7960	
Test Number	1	
Depth	0.50	**m bgl**
Bedding Material	Sand	
Date	12/03/2026	
Ground Conditions	MADE GROUND	
Seating Load	5kPa	
Plate Diameter	**600**	mm
Plate Area	0.2826	m^2

	G1	G2	G3	
Zero gauge	**0.00**	**0.00**	**0.00**	**0.00 mm**

Force (KN)	Pressure (kPa)	Time (min)	Div (mm)	Div (mm)	Div (mm)	Average	Δ h, mm
0	0	0	0.00	0.00	0.00	0.00	0.00
5	18	0	1.07	1.82	1.47	1.45	-1.45
5	18	1	1.14	1.85	1.50	1.50	-1.50
5	18	2	1.16	1.87	1.51	1.51	-1.51
5	18	3	1.17	1.88	1.52	1.52	-1.52
10	35	0	2.04	2.87	2.59	2.50	-2.50
10	35	1	2.09	2.93	2.65	2.56	-2.56
10	35	2	2.12	2.96	2.67	2.58	-2.58
10	35	3	2.12	2.96	2.67	2.58	-2.58
0	0	0	1.14	1.42	1.04	1.20	-1.20
0	0	1	1.10	1.37	0.96	1.14	-1.14
0	0	2	1.08	1.34	0.92	1.11	-1.11
0	0	3	1.08	1.34	0.92	1.11	-1.11
10	35	0	2.42	3.01	2.69	2.71	-2.71
10	35	1	2.46	3.05	2.74	2.75	-2.75
10	35	2	2.47	3.05	2.74	2.75	-2.75
0	0	0	1.22	1.51	1.13	1.29	-1.29
0	0	1	1.14	1.41	1.05	1.20	-1.20
0	0	2	1.12	1.40	1.05	1.19	-1.19

Load to Achieve 1.25mm of Settlement:	**15** kPa
Subgrade Modulus ($MN/m^2/m$) k_{750}:	**10**
Estimated CBR (NRA DMRB HD25-26 3.62)	**0.5** %
Plate scaling factor	**0.83**
Plate rigidity factor	**1.00**



No	Job	Location	Date	Engineer
P25205	West Clare Greenway	DCP-ST8100	11/03/2026	DS

Drop	Weight	Cone	Correlation
575mm	8kg	60°	TRL DCP

Starting Depth mm	Ground Level	Easting	Northing
0	3.57	495987.74	658450.25

Blows	Depth (m bgl)	Penetration (mm)	Penetration Per blow (mm)	CBR, % (Kleyn)	CBR, % (TII DN-PAV-03021)
0	0.100	100	-	-	-
1	0.200	100	100	1.2	2.3
1	0.230	30	30	5.5	8.3
1	0.260	30	30	5.5	8.3
1	0.300	40	40	3.8	6.1
1	0.330	30	30	5.5	8.3
1	0.360	30	30	5.5	8.3
1	0.365	5	5	53	55
1	0.375	10	10	22	26
1	0.385	10	10	22	26
1	0.390	5	5	53	55
1	0.395	5	5	53	55
1	0.400	5	5	53	55
1	0.410	10	10	22	26
25	0.410	0	0	-	-

Adjustments	0.71	moderate
	0.5	dry
	0.35	very dry
	0.5	not assessed

Photographic Record

Number:	**ST-8100**	**Project**	West Clare Railway Greenway Section 1
		Project No	P25205
		Engineer	Roughan O'Donovan

Photographic Record

Number:	**ST-8100**	**Project**	West Clare Railway Greenway Section 1	
		Project No	P25205	
		Engineer	Roughan O'Donovan	

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Trial Pit No
ST-13710
Sheet 1 of 1

Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 497628.57E - 654613.34N **Level:** 5.39m OD	**Date** 10/03/2026
Location: Co. Clare		**Dimensions (m):** 3.40 x 0.50 **Depth:** 1.90m BGL	**Scale** 1:25
Client: Clare County Council			**Logged** DS

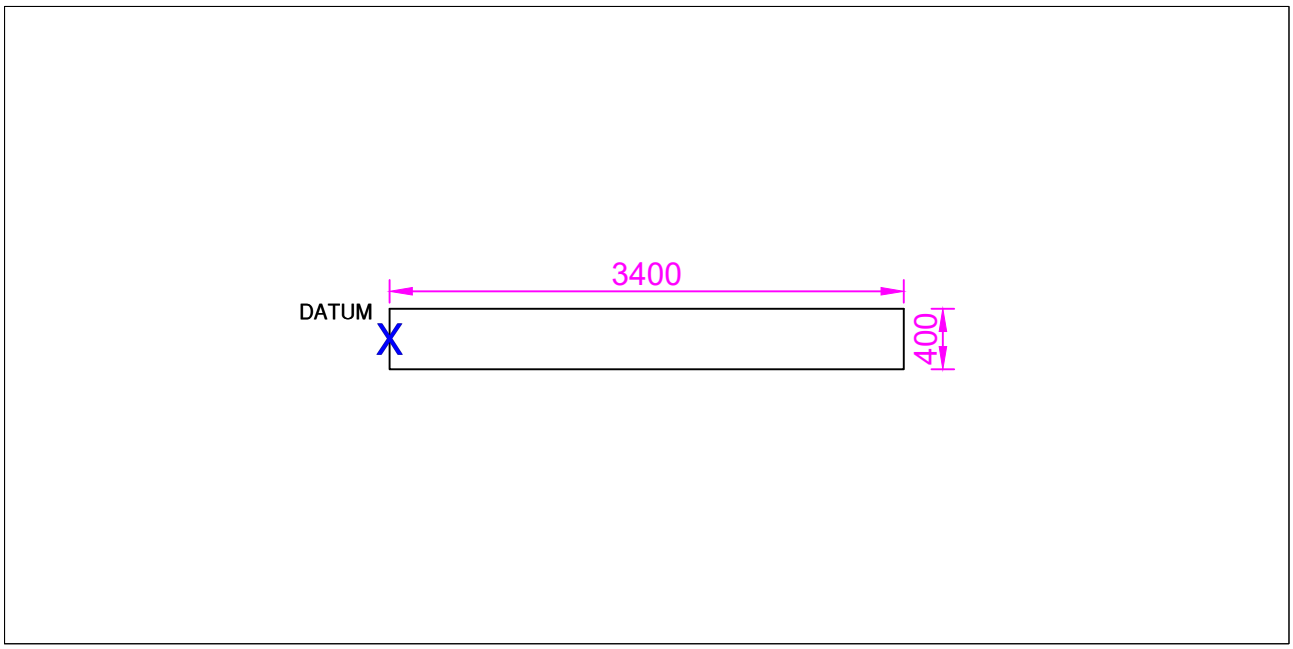
Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
				0.30	5.09		(TOPSOIL)
	0.50	B					Stiff, grey with orange and brown mottling, slightly sandy slightly gravelly CLAY with high cobble content. sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded. Cobbles are of Limestone lithology and up to 300mm diameter.
	0.50	D					
	0.50		HVP (kPa) =88 HVR (kPa) =33				
	0.50		HVP (kPa) =94 HVR (kPa) =35				
	0.50		HVP (kPa) =99 HVR (kPa) =27				
	1.00	B					
	1.00	D					
				1.90	3.49		End of Pit at 1.900m

1
2
3
4
5

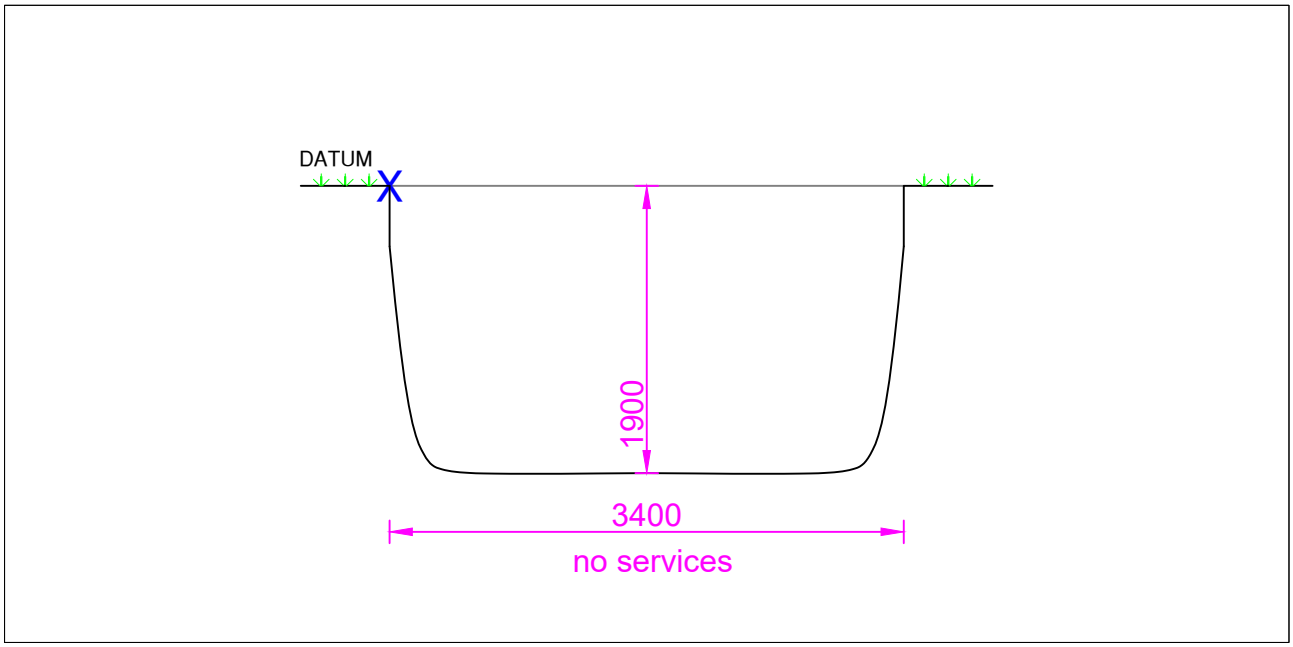
Stability: Moderate
Plant: 3t track machine
Backfill: Arisings

Groundwater: None encountered

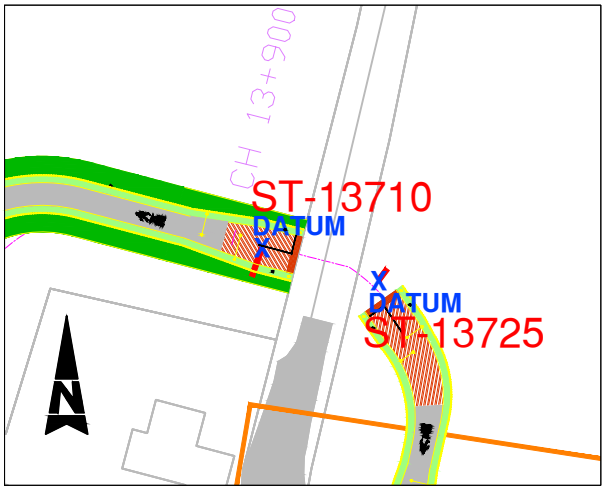
Remarks: Trench terminated at 1.90m bgl. Refer to DWG, job number P25205 trench number ST-13710, for cross sectional details. Hand Vane carried out at 0.50m bgl using 19mm blades.



SLIT TRENCH PLAN, 1:50 ON A4



SLIT TRENCH SECTION, 1:50 ON A4



SLIT TRENCH LOCATION PLAN, 1:1000 ON A4

DATUM COORDINATES:
EASTING: 497628.57
NORTHING: 654613.34
LEVEL: 5.388mAOD

KEY:
DATUM: X

SLIT TRENCH DIMENSIONS:
LENGTH: 3.40m
WIDTH: 0.50m
DEPTH: 1.90m

STRATA SHOWN ON DETAILED LOG

DRAWN BY:	DATE:
Gary Curtin	26/03/2026
LOGGED BY:	DATE:
D.S.	10/03/2026

SCALE:	APPROVED:	REVISION:
AS STATED	GH	D01

SLIT TRENCH NUMBER:
ST13710

JOB NAME:
West Clare Greenway

JOB NUMBER:
P25205

DRAWING NUMBER:
P25205-ST13710

pgl priority geotechnical

JOB REF:	P25205
JOB Name:	West Clare Greenway

Plate Bearing Test	PLT-ST13710	
Test Number	1	
Depth	0.50	**m bgl**
Bedding Material	Sand	
Date	11/03/2026	
Ground Conditions	Slightly sandy gravelly CLAY	
Seating Load	5kPa	
Plate Diameter	**600**	mm
Plate Area	0.2826	m^2

	G1	G2	G3	
Zero gauge	**0.00**	**0.00**	**0.00**	**0.00 mm**

Force (KN)	Pressure (kPa)	Time (min)	Div (mm)	Div (mm)	Div (mm)	Average	Δ h, mm
0	0	0	0.00	0.00	0.00	0.00	0.00
5	18	0	0.82	0.57	0.97	0.79	-0.79
5	18	1	0.85	0.59	0.99	0.81	-0.81
5	18	2	0.86	0.59	0.99	0.81	-0.81
10	35	0	1.34	0.98	1.76	1.36	-1.36
10	35	1	1.37	1.03	1.81	1.40	-1.40
10	35	2	1.39	1.05	1.82	1.42	-1.42
10	35	3	1.37	1.05	1.81	1.41	-1.41
15	53	0	1.88	1.52	2.25	1.88	-1.88
15	53	1	1.94	1.57	2.28	1.93	-1.93
15	53	2	1.96	1.59	2.31	1.95	-1.95
15	53	3	1.97	1.61	2.32	1.97	-1.97
15	53	4	1.97	1.61	2.32	1.97	-1.97
0	0	0	0.72	0.65	1.21	0.86	-0.86
0	0	1	0.70	0.61	1.15	0.82	-0.82
0	0	2	0.70	0.61	1.15	0.82	-0.82
7.5	27	0	1.41	1.21	2.02	1.55	-1.55
7.5	27	1	1.42	1.21	2.02	1.55	-1.55
7.5	27	2	1.42	1.21	2.02	1.55	-1.55
15	53	0	2.03	1.98	2.52	2.18	-2.18
15	53	1	2.05	2.02	2.57	2.21	-2.21
15	53	2	2.07	2.05	2.59	2.24	-2.24
15	53	3	2.07	2.05	2.59	2.24	-2.24
0	0	0	0.98	0.82	1.12	0.97	-0.97
0	0	1	0.94	0.79	1.09	0.94	-0.94
0	0	2	0.93	0.78	1.08	0.93	-0.93

Load to Achieve 1.25mm of Settlement:	**32** kPa
Subgrade Modulus ($MN/m^2/m$) k_{750}:	**21**
Estimated CBR (NRA DMRB HD25-26 3.62)	**1.9** %
Plate scaling factor	**0.83**
Plate rigidity factor	**1.00**

No	Job	Location	Date	Engineer
P25205	West Clare Greenway	DCP-ST13710	10/03/2026	DS

Drop	Weight	Cone	Correlation
575mm	8kg	60°	TRL DCP

Starting Depth mm	Ground Level	Easting	Northing
0	5.39	497628.57	654613.34

Blows	Depth (m bgl)	Penetration (mm)	Penetration Per blow (mm)	CBR, % (Kleyn)	CBR, % (TII DN-PAV-03021)
0	0.090	90	-	-	-
1	0.250	160	160	0.7	1.4
1	0.290	40	40	3.8	6.1
1	0.330	40	40	3.8	6.1
1	0.360	30	30	5.5	8.3
1	0.400	40	40	3.8	6.1
1	0.420	20	20	9.1	13
1	0.445	25	25	6.9	10
1	0.475	30	30	5.5	8.3
1	0.500	25	25	6.9	10
1	0.510	10	10	22	26
1	0.530	20	20	9.1	13
1	0.550	20	20	9.1	13
1	0.580	30	30	5.5	8.3
1	0.600	20	20	9.1	13
1	0.610	10	10	22	26
1	0.615	5	5	53	55
25	0.615	0	0	-	-

Adjustments		
	0.71	moderate
	0.5	dry
	0.35	very dry
	0.5	not assessed

Photographic Record

Number:	**ST-13710**	**Project**	West Clare Railway Greenway Section 1
		Project No	P25205
		Engineer	Roughan O'Donovan

Photographic Record

Number:	**ST-13710**	**Project**	West Clare Railway Greenway Section 1	
		Project No	P25205	
		Engineer	Roughan O'Donovan	

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Trial Pit No
ST-13725
Sheet 1 of 1

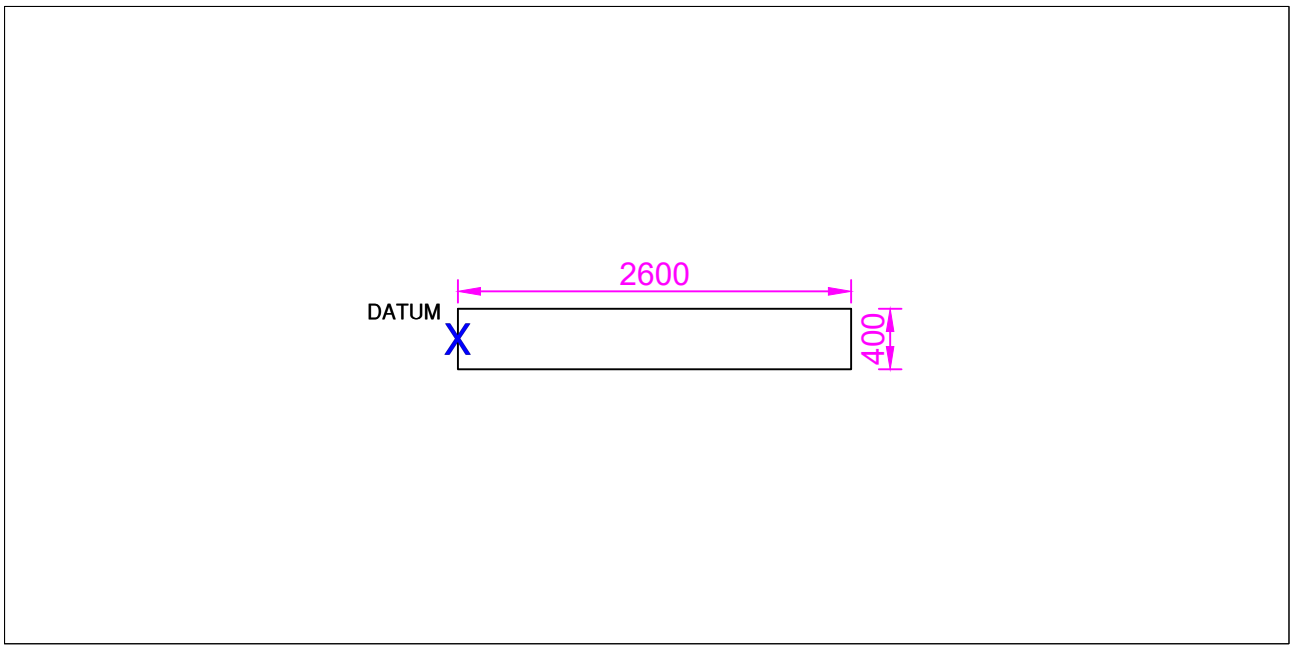
Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 497644.00E - 654609.00N **Level:** 5.41m OD	**Date** 11/03/2026
Location: Co. Clare	**Dimensions (m):** 2.60 × 0.40		**Scale** 1:25
Client: Clare County Council	**Depth:** 1.10m BGL		**Logged** DS

Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
				0.20	5.21		(TOPSOIL)
	0.50	B					Soft, dark brown with orange mottling, slightly sandy slightly gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded.
	0.50	D					
	0.50		HVP (kPa) =57 HVR (kPa) =25	0.70	4.71		
	0.50		HVP (kPa) =70 HVR (kPa) =30				Very stiff, dark brown, very sandy very clayey GRAVEL with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded. Cobbles ar sub-rounded of Limestone lithology and up to 180mm diameter.
	0.50		HVP (kPa) =75 HVR (kPa) =33				
	1.00	B		1.11	4.30		End of Pit at 1.100m
	1.00	D					

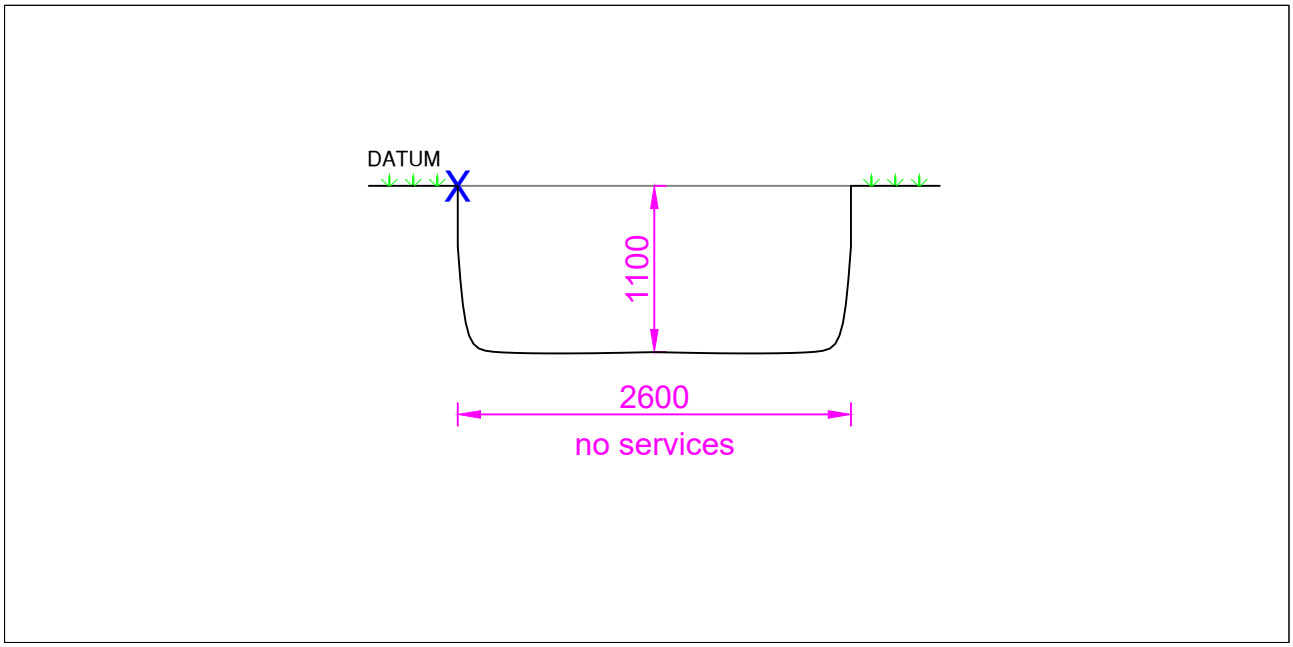
Stability: Good
Plant: 3t track machine
Backfill: Arisings

Groundwater: None encountered

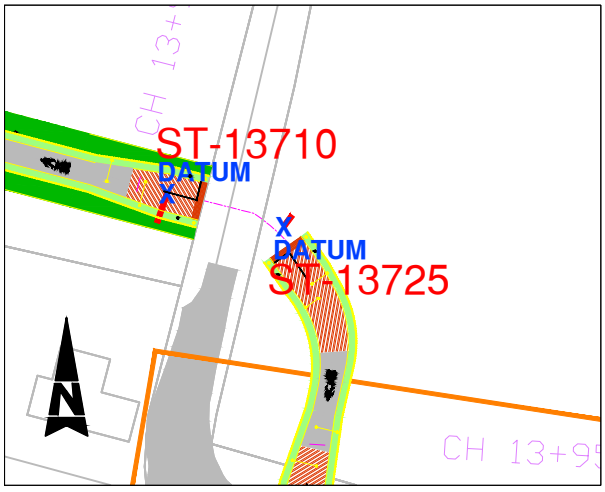
Remarks: Trench terminated at 1.1m bgl. Refer ro DWG, job number P25205 trench number ST-13725, for cross sectional details. Hand vane carried out at 0.5m bgl using 19mm blades.



SLIT TRENCH PLAN, 1:50 ON A4



SLIT TRENCH SECTION, 1:50 ON A4



SLIT TRENCH LOCATION PLAN, 1:1000 ON A4

DATUM COORDINATES:
EASTING: 497644.00
NORTHING: 654609.00
LEVEL: 5.411mAOD

KEY:
DATUM: X

SLIT TRENCH DIMENSIONS:
LENGTH: 2.60m
WIDTH: 0.40m
DEPTH: 1.10m

STRATA SHOWN ON DETAILED LOG

DRAWN BY:	DATE:
Gary Curtin	26/03/2026
LOGGED BY:	DATE:
D.S.	11/03/2026

SCALE:	APPROVED:	REVISION:
AS STATED	GH	D01

SLIT TRENCH NUMBER:
ST13725

JOB NAME:
West Clare Greenway

JOB NUMBER:
P25205

DRAWING NUMBER:
P25205-ST13725

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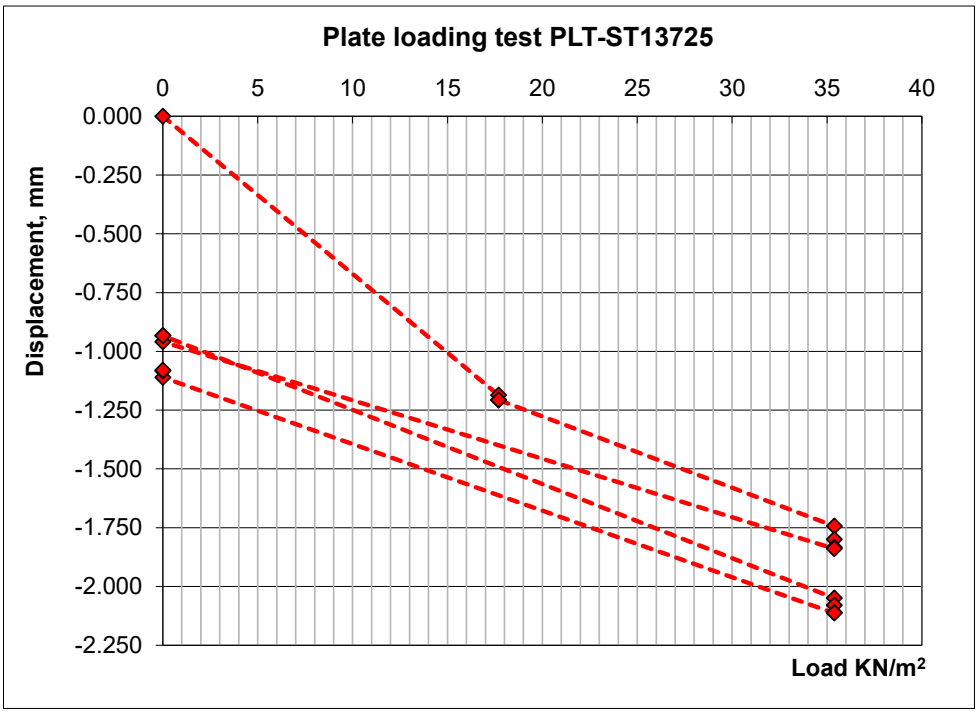
JOB REF:	P25205	
JOB Name:	West Clare Greenway	
Plate Bearing Test	PLT-ST13725	
Test Number	1	
Depth	0.50	**m bgl**
Bedding Material	Sand	
Date	11/03/2026	
Ground Conditions	MADE GROUND	
Seating Load	5kPa	
Plate Diameter	**600**	mm
Plate Area	0.2826	m^2

	G1	G2	G3	
Zero gauge	**0.00**	**0.00**	**0.00**	**0.00 mm**

Force (KN)	Pressure (kPa)	Time (min)	Div (mm)	Div (mm)	Div (mm)	Average	Δ h, mm
0	0	0	0.00	0.00	0.00	0.00	0.00
5	18	0	0.99	1.32	1.25	1.19	-1.19
5	18	1	1.01	1.34	1.27	1.21	-1.21
5	18	2	1.01	1.34	1.27	1.21	-1.21
10	35	0	1.57	1.89	1.77	1.74	-1.74
10	35	1	1.63	1.93	1.84	1.80	-1.80
10	35	2	1.67	1.97	1.86	1.83	-1.83
10	35	3	1.68	1.98	1.86	1.84	-1.84
0	0	0	0.87	1.01	1.00	0.96	-0.96
0	0	1	0.85	0.99	0.96	0.93	-0.93
0	0	2	0.85	0.99	0.96	0.93	-0.93
10	35	0	1.99	2.11	2.05	2.05	-2.05
10	35	1	2.03	2.14	2.07	2.08	-2.08
10	35	2	2.05	2.18	2.10	2.11	-2.11
10	35	3	2.06	2.18	2.10	2.11	-2.11
0	0	0	0.99	1.13	1.21	1.11	-1.11
0	0	1	0.97	1.11	1.17	1.08	-1.08
0	0	2	0.96	1.11	1.17	1.08	-1.08

Load to Achieve 1.25mm of Settlement:	**19**	kPa
Subgrade Modulus ($MN/m^2/m$) k_{750}:	**13**	
Estimated CBR (NRA DMRB HD25-26 3.62)	**0.8**	%
Plate scaling factor	**0.83**	
Plate rigidity factor	**1.00**	



No	Job	Location	Date	Engineer
P25205	West Clare Greenway	DCP-ST13725	11/03/2026	DS

Drop	Weight	Cone	Correlation
575mm	8kg	60°	TRL DCP

Starting Depth mm	Ground Level	Easting	Northing
0	5.41	497644.00	654609.00

Blows	Depth (m bgl)	Penetration (mm)	Penetration Per blow (mm)	CBR, % (Kleyn)	CBR, % (TII DN-PAV-03021)
0	0.090	90	-	-	-
1	0.200	110	110	1.0	2.1
1	0.250	50	50	2.9	4.8
1	0.300	50	50	2.9	4.8
1	0.350	50	50	2.9	4.8
1	0.390	40	40	3.8	6.1
1	0.420	30	30	5.5	8.3
1	0.460	40	40	3.8	6.1
1	0.490	30	30	5.5	8.3
1	0.510	20	20	9.1	13
1	0.540	30	30	5.5	8.3
1	0.560	20	20	9.1	13
1	0.580	20	20	9.1	13
1	0.600	20	20	9.1	13
1	0.610	10	10	22	26
1	0.630	20	20	9.1	13
1	0.640	10	10	22	26
1	0.645	5	5	53	55
25	0.645	0	0	-	-

Adjustments	0.71	moderate
	0.5	dry
	0.35	very dry
	0.5	not assessed

Photographic Record

Number:	**ST-13725**	**Project**	West Clare Railway Greenway Section 1
		Project No	P25205
		Engineer	Roughan O'Donovan

Photographic Record

Number:	**ST-13725**	**Project**	West Clare Railway Greenway Section 1	
		Project No	P25205	
		Engineer	Roughan O'Donovan	

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Trial Pit No
ST-13765
Sheet 1 of 1

Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 497644.37E - 654569.92N **Level:** 5.01m OD	**Date** 10/03/2026
Location: Co. Clare		**Dimensions (m):** 3.40 x 0.60 **Depth:** 1.60m BGL	**Scale** 1:25
Client: Clare County Council			**Logged** DS

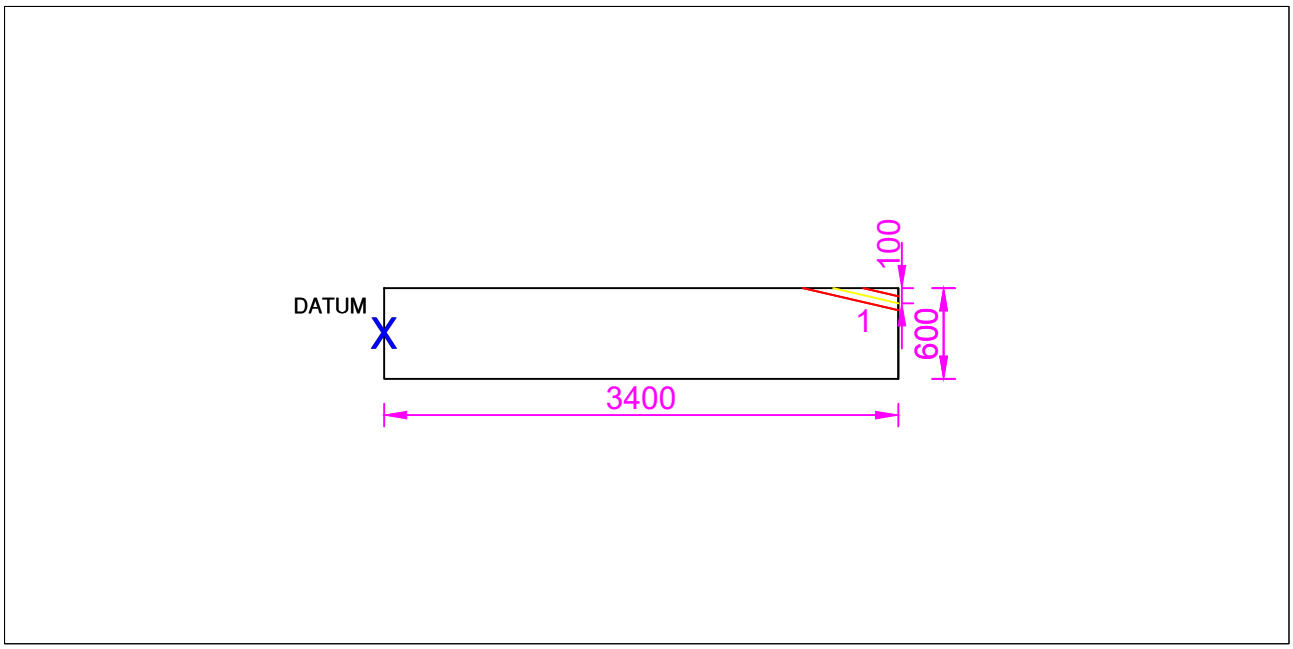
Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
				0.20	4.81		(TOPSOIL)
	0.50	B					Soft, dark brown, slightly sandy gravelly SILT with high cobble content. Sand is fine to coarse. Gravel is fine to coarse and sub-angular to sub-rounded.
	0.50	D					
	0.50		HVP (kPa) =49 HVR (kPa) =19	0.70	4.31		
	0.50		HVP (kPa) =67 HVR (kPa) =30				Very stiff, grey, slightly gravelly sandy SILT. Sand is fine to coarse. Gravel is fine to coarse.
	0.50		HVP (kPa) =69 HVR (kPa) =20				
	1.00	B					
	1.00	D					
				1.60	3.41		End of Pit at 1.600m

1
2
3
4
5

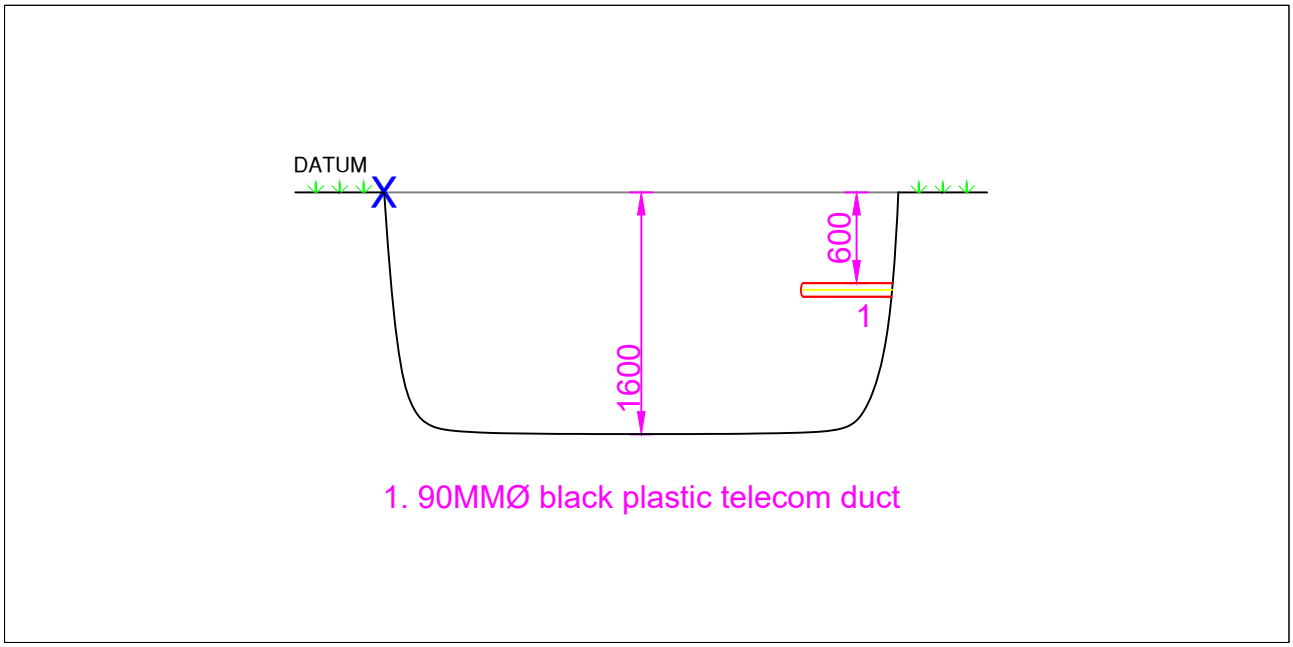
Stability: Good
Plant: 3t track machine
Backfill: Arisings

Groundwater: None encountered

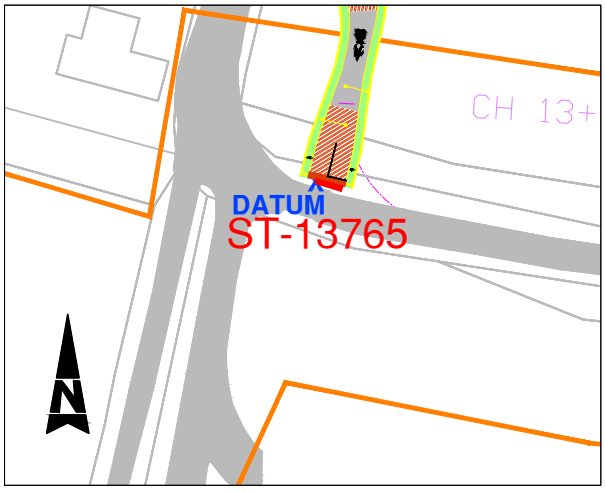
Remarks: Trench terminated at 1.6m bgl. Refer to DWG, job number P25205 trench number ST-13765, for cross sectional details. Hand vane carried out at 0.50m bgl using 19mm blades.



SLIT TRENCH PLAN, 1:50 ON A4



SLIT TRENCH SECTION, 1:50 ON A4



SLIT TRENCH LOCATION PLAN, 1:1000 ON A4

DATUM COORDINATES:
EASTING: 497644.36
NORTHING: 654569.91
LEVEL: 5.013mAOD

KEY:
DATUM: X

SLIT TRENCH DIMENSIONS:
LENGTH: 3.40m
WIDTH: 0.60m
DEPTH: 1.60m

STRATA SHOWN ON DETAILED LOG

DRAWN BY:		DATE:
Gary Curtin		26/03/2026
LOGGED BY:		DATE:
D.S.		10/03/2026
SCALE:	APPROVED:	REVISION:
AS STATED	GH	D01

SLIT TRENCH NUMBER:
ST13765

JOB NAME:
West Clare Greenway

JOB NUMBER:
P25205

DRAWING NUMBER:
P25205-ST13765

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No	Job	Location	Date	Engineer
P25205	West Clare Greenway	DCP-ST13765	10/03/2026	DS

Drop	Weight	Cone	Correlation
575mm	8kg	60°	TRL DCP

Starting Depth mm	Ground Level	Easting	Northing
0	5.01	497644.37	654569.92

Blows	Depth (m bgl)	Penetration (mm)	Penetration Per blow (mm)	CBR, % (Kleyn)	CBR, % (TII DN-PAV-03021)
0	0.080	80	-	-	-
1	0.140	60	60	2.3	4.0
1	0.190	50	50	2.9	4.8
1	0.240	50	50	2.9	4.8
1	0.270	30	30	5.5	8.3
1	0.280	10	10	22	26
1	0.300	20	20	9.1	13
1	0.320	20	20	9.1	13
1	0.330	10	10	22	26
1	0.340	10	10	22	26
1	0.370	30	30	5.5	8.3
1	0.400	30	30	5.5	8.3
1	0.410	10	10	22	26
1	0.420	10	10	22	26
1	0.425	5	5	53	55
25	0.425	0	0	-	-

Adjustments	0.71	moderate
	0.5	dry
	0.35	very dry
	0.5	not assessed

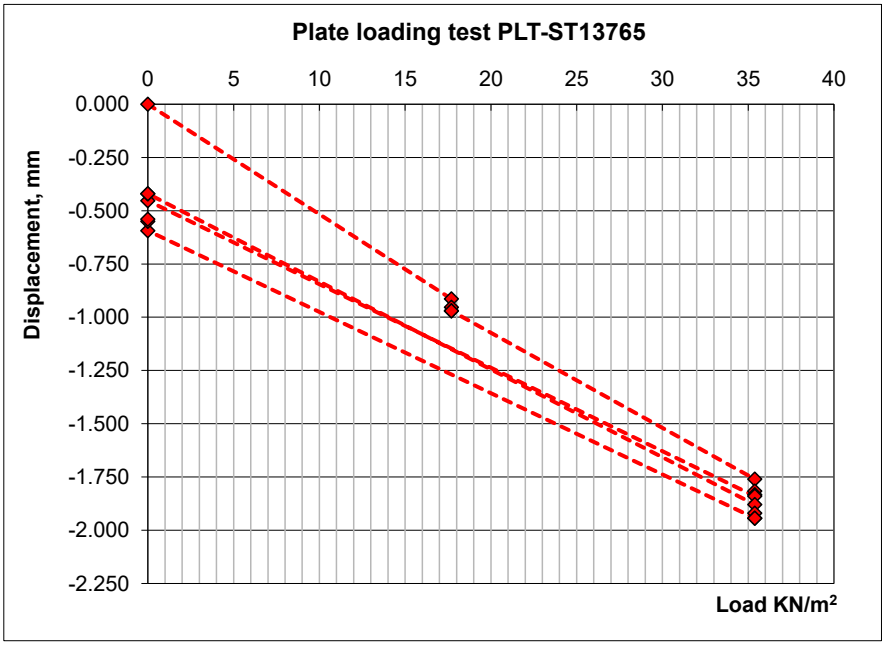
JOB REF:	P25205
JOB Name:	West Clare Greenway

Plate Bearing Test	PLT-ST13765	
Test Number	1	
Depth	0.50	**m bgl**
Bedding Material	Sand	
Date	10/03/2026	
Ground Conditions	Slightly sandy gravelly CLAY	
Seating Load	5kPa	
Plate Diameter	**600**	mm
Plate Area	0.2826	m^2

	G1	G2	G3	
Zero gauge	**0.00**	**0.00**	**0.00**	**0.00 mm**

Force (KN)	Pressure (kPa)	Time (min)	Div (mm)	Div (mm)	Div (mm)	Average	Δ h, mm
0	0	0	0.00	0.00	0.00	0.00	0.00
5	18	0	0.94	1.01	0.79	0.91	-0.91
5	18	1	0.99	1.05	0.82	0.95	-0.95
5	18	2	1.01	1.07	0.83	0.97	-0.97
5	18	3	1.01	1.07	0.83	0.97	-0.97
10	35	0	1.59	1.87	1.82	1.76	-1.76
10	35	1	1.64	1.93	1.88	1.82	-1.82
10	35	2	1.66	1.94	1.90	1.83	-1.83
10	35	3	1.67	1.94	1.91	1.84	-1.84
0	0	0	0.88	0.27	0.21	0.45	-0.45
0	0	1	0.82	0.25	0.19	0.42	-0.42
0	0	2	0.82	0.25	0.19	0.42	-0.42
10	35	0	1.64	2.01	1.99	1.88	-1.88
10	35	1	1.67	2.04	2.05	1.92	-1.92
10	35	2	1.70	2.06	2.07	1.94	-1.94
10	35	3	1.70	2.06	2.07	1.94	-1.94
0	0	0	0.99	0.42	0.37	0.59	-0.59
0	0	1	0.94	0.37	0.34	0.55	-0.55
0	0	2	0.93	0.36	0.33	0.54	-0.54

Load to Achieve 1.25mm of Settlement:	**24** kPa
Subgrade Modulus ($MN/m^2/m$) k_{750}:	**16**
Estimated CBR (NRA DMRB HD25-26 3.62)	**1.2** %
Plate scaling factor	**0.83**
Plate rigidity factor	**1.00**



Photographic Record

Number:	**ST-13765**	**Project**	West Clare Railway Greenway Section 1
		Project No	P25205
		Engineer	Roughan O'Donovan

Photographic Record

Number:	**ST-14300**	**Project**	West Clare Railway Greenway Section 1
		Project No	P25205
		Engineer	Roughan O'Donovan

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Trial Pit No
ST-14300
Sheet 1 of 1

Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 498155.79E - 654678.50N **Level:** 4.70m OD	**Date** 10/03/2026
Location: Co. Clare		**Dimensions (m):** 3.30 x 0.50	**Scale** 1:25
Client: Clare County Council		**Depth:** 2.40m BGL	**Logged** DS

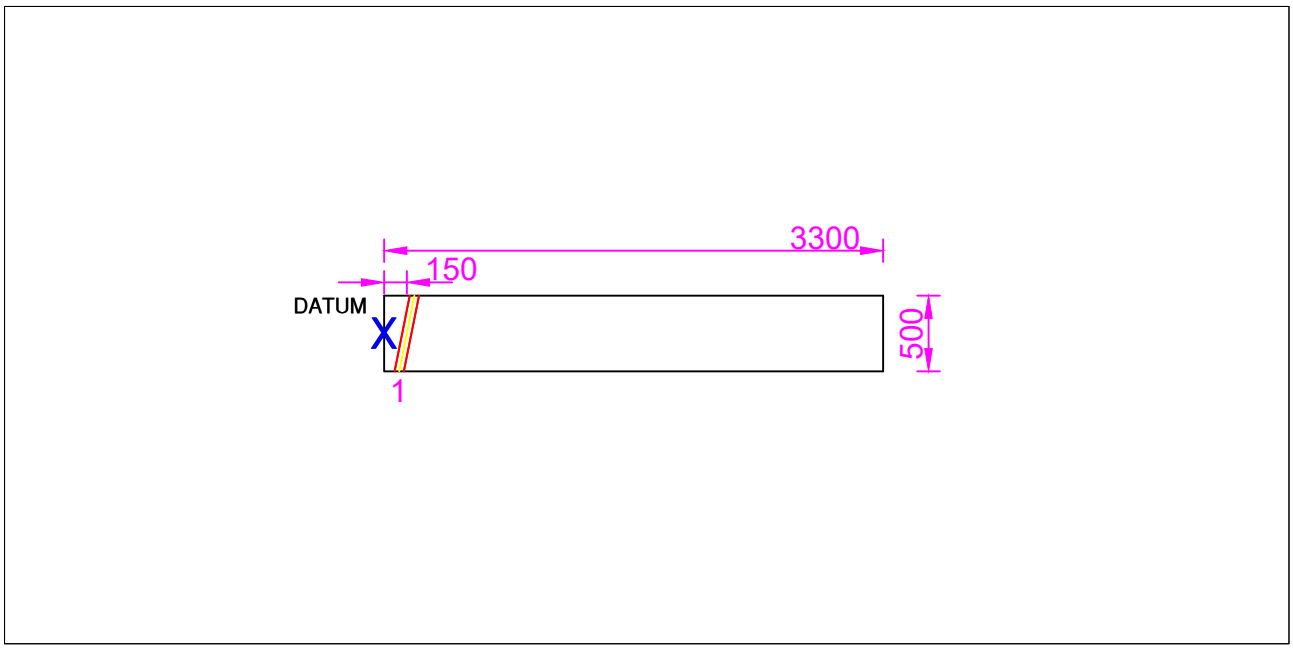
Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
				0.20	4.50		(TOPSOIL)
	0.50	B					Grey, silty very sandy GRAVEL. Sand is fine to coarse. Gravel is fine to coarse and is sub-angular to sub-rounded.
	0.50	D					
	0.50		HVP (kPa) =43 HVR (kPa) =19	0.60	4.10		Yellowish brown, very clayey very sandy GRAVEL with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse and sub-angular and sub-rounded. Cobbles are sub-rounded and up to 180mm diameter
	0.50		HVP (kPa) =49 HVR (kPa) =19				
	0.50		HVP (kPa) =51 HVR (kPa) =16				
	1.00	B					
	1.00	D					
	2.00	B					
	2.00	D					
				2.40	2.30		End of Pit at 2.400m

1
2
3
4
5

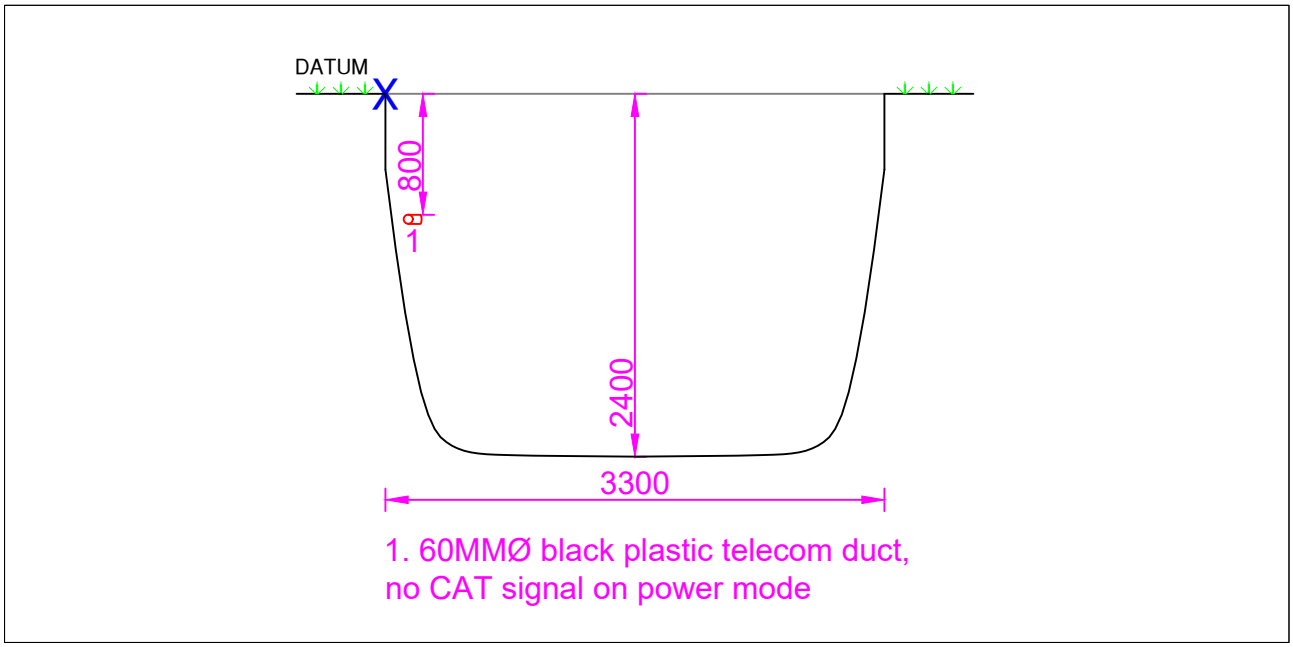
Stability: Moderate
Plant: 3t track machine
Backfill: Arisings

Groundwater: None encountered

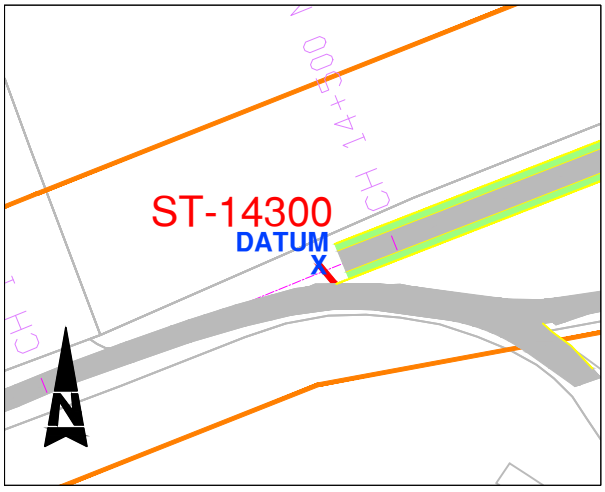
Remarks: Trench terminated at 2.4m bgl. Refer to DWG, job number P25205 trench number ST-14300, for cross sectional details. Hand vane carried out at 0.5m bgl using 19mm blades.



SLIT TRENCH PLAN, 1:50 ON A4



SLIT TRENCH SECTION, 1:50 ON A4



SLIT TRENCH LOCATION PLAN, 1:1000 ON A4

DATUM COORDINATES:
EASTING: 498155.79
NORTHING: 654678.50
LEVEL: 4.702mAOD

KEY:
DATUM: X

SLIT TRENCH DIMENSIONS:
LENGTH: 3.30m
WIDTH: 0.50m
DEPTH: 2.40m

STRATA SHOWN ON DETAILED LOG

DRAWN BY:		DATE:
Gary Curtin		26/03/2026
LOGGED BY:		DATE:
D.S.		10/03/2026
SCALE:	APPROVED:	REVISION:
AS STATED	GH	D01

SLIT TRENCH NUMBER:
ST14300

JOB NAME:
West Clare Greenway

JOB NUMBER:
P25205

DRAWING NUMBER:
P25205-ST14300

pgl priority geotechnical

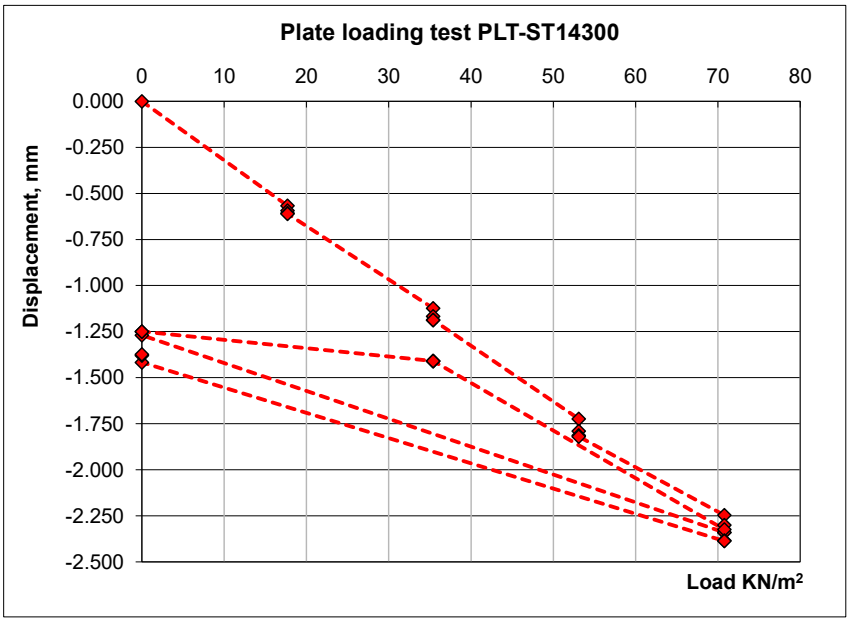
JOB REF:	P25205
JOB Name:	West Clare Greenway

Plate Bearing Test	PLT-ST14300	
Test Number	1	
Depth	0.50	**m bgl**
Bedding Material	Sand	
Date	10/03/2026	
Ground Conditions	MADE GROUND	
Seating Load	5kPa	
Plate Diameter	**600**	mm
Plate Area	0.2826	m^2

	G1	G2	G3	
Zero gauge	**0.00**	**0.00**	**0.00**	**0.00 mm**

Force (KN)	Pressure (kPa)	Time (min)	Div (mm)	Div (mm)	Div (mm)	Average	Δ h, mm
0	0	0	0.00	0.00	0.00	0.00	0.00
5	18	0	0.07	0.71	0.92	0.57	-0.57
5	18	1	0.09	0.74	0.95	0.59	-0.59
5	18	2	0.11	0.75	0.96	0.61	-0.61
5	18	3	0.12	0.75	0.96	0.61	-0.61
10	35	0	0.34	1.49	1.54	1.12	-1.12
10	35	1	0.38	1.53	1.59	1.17	-1.17
10	35	2	0.39	1.55	1.62	1.19	-1.19
10	35	3	0.39	1.55	1.62	1.19	-1.19
15	53	0	0.84	2.11	2.22	1.72	-1.72
15	53	1	0.91	2.19	2.27	1.79	-1.79
15	53	2	0.94	2.22	2.28	1.81	-1.81
15	53	3	0.95	2.22	2.29	1.82	-1.82
20	71	0	1.41	2.54	2.79	2.25	-2.25
20	71	1	1.47	2.59	2.84	2.30	-2.30
20	71	2	1.52	2.63	2.87	2.34	-2.34
20	71	3	1.52	2.63	2.87	2.34	-2.34
0	0	0	0.79	1.01	2.01	1.27	-1.27
0	0	1	0.76	1.00	1.99	1.25	-1.25
0	0	2	0.76	1.00	1.99	1.25	-1.25
10	35	0	0.47	1.82	1.94	1.41	-1.41
10	35	1	0.47	1.82	1.94	1.41	-1.41
10	35	2	0.47	1.82	1.94	1.41	-1.41
20	71	0	1.57	2.62	2.78	2.32	-2.32
20	71	1	1.61	2.64	2.90	2.38	-2.38
20	71	2	1.62	2.64	2.90	2.39	-2.39
0	0	0	0.88	1.22	2.15	1.42	-1.42
0	0	1	0.86	1.17	2.11	1.38	-1.38
0	0	2	0.85	1.17	2.10	1.37	-1.37

Load to Achieve 1.25mm of Settlement:	**38** kPa
Subgrade Modulus ($MN/m^2/m$) k_{750}:	**25**
Estimated CBR (NRA DMRB HD25-26 3.62)	**2.6** %
Plate scaling factor	**0.83**
Plate rigidity factor	**1.00**



No	Job	Location	Date	Engineer
P25205	West Clare Greenway	DCP-ST14300	10/03/2026	DS

Drop	Weight	Cone	Correlation
575mm	8kg	60°	TRL DCP

Starting Depth mm	Ground Level	Easting	Northing
0	4.70	498155.79	654678.50

Blows	Depth (m bgl)	Penetration (mm)	Penetration Per blow (mm)	CBR, % (Kleyn)	CBR, % (TII DN-PAV-03021)
0	0.080	80	-	-	-
1	0.110	30	30	5.5	8.3
1	0.130	20	20	9.1	13
1	0.140	10	10	22	26
1	0.160	20	20	9.1	13
1	0.190	30	30	5.5	8.3
1	0.220	30	30	5.5	8.3
1	0.240	20	20	9.1	13
1	0.260	20	20	9.1	13
1	0.280	20	20	9.1	13
1	0.290	10	10	22	26
1	0.320	30	30	5.5	8.3
1	0.340	20	20	9.1	13
1	0.350	10	10	22	26
1	0.370	20	20	9.1	13
1	0.385	15	15	13	17
1	0.395	10	10	22	26
1	0.410	15	15	13	17
1	0.415	5	5	53	55
25	0.415	0	0	-	-

Adjustments	0.71	moderate
	0.5	dry
	0.35	very dry
	0.5	not assessed

Photographic Record

Number:	**ST-14300**	**Project**	West Clare Railway Greenway Section 1
		Project No	P25205
		Engineer	Roughan O'Donovan

Photographic Record

Number:	**ST-14985**	**Project** West Clare Railway Greenway Section 1 **Project No** P25205 **Engineer** Roughan O'Donovan	

Priority Geotechnical Ltd.
Tel: 021 4631600
Fax: 021 4638690
www.prioritygeotechnical.ie

Trial Pit No
ST-14985
Sheet 1 of 1

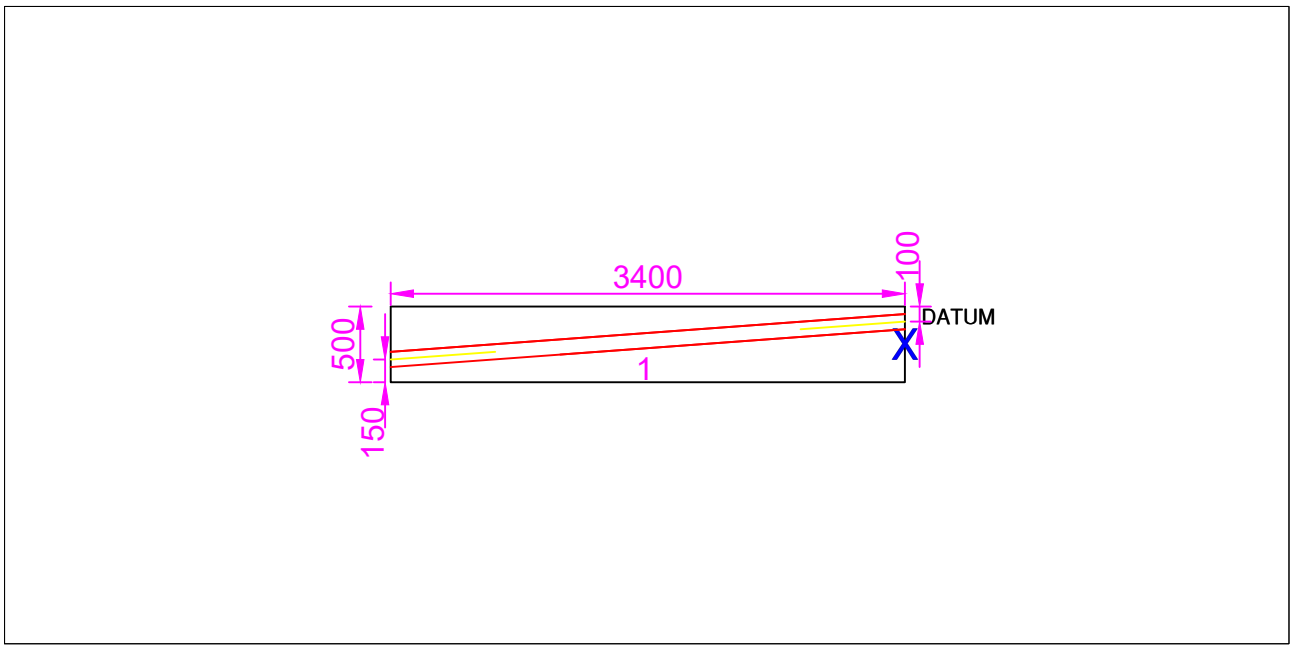
Project Name: West Clare Railway Greenway Section 1 - Ground Investigation Contract	**Project No.** P25205	**Co-ords:** 498796.27E - 654916.87N **Level:** 3.78m OD	**Date** 10/03/2026
Location: Co. Clare	**Dimensions (m):** 3.40 × 0.50		**Scale** 1:25
Client: Clare County Council	**Depth:** 1.25m BGL		**Logged** DS

Water Strike & Backfill	Samples & In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
	0.50	B					(MADE GROUND) Dark grey, very silty very sandy GRAVEL with low cobble content, plastic and concrete inclusions. Sand is fine to coarse. Gravel is fine to coarse and angular to sub-rounded.
	0.50	D					
	0.50	ENV					
	0.50		HVP (kPa) =47 HVR (kPa) =12	0.70	3.08		
	0.50		HVP (kPa) =50 HVR (kPa) =10				Yellowish brown, very sandy very silty GRAVEL. Sand is fine to coarse. Gravel is fine to coarse and is sun-angular to sub-rounded.
	0.50		HVP (kPa) =50 HVR (kPa) =15				
	1.00	B					
	1.00	D					
	1.00	ENV		1.25	2.53		End of Pit at 1.250m

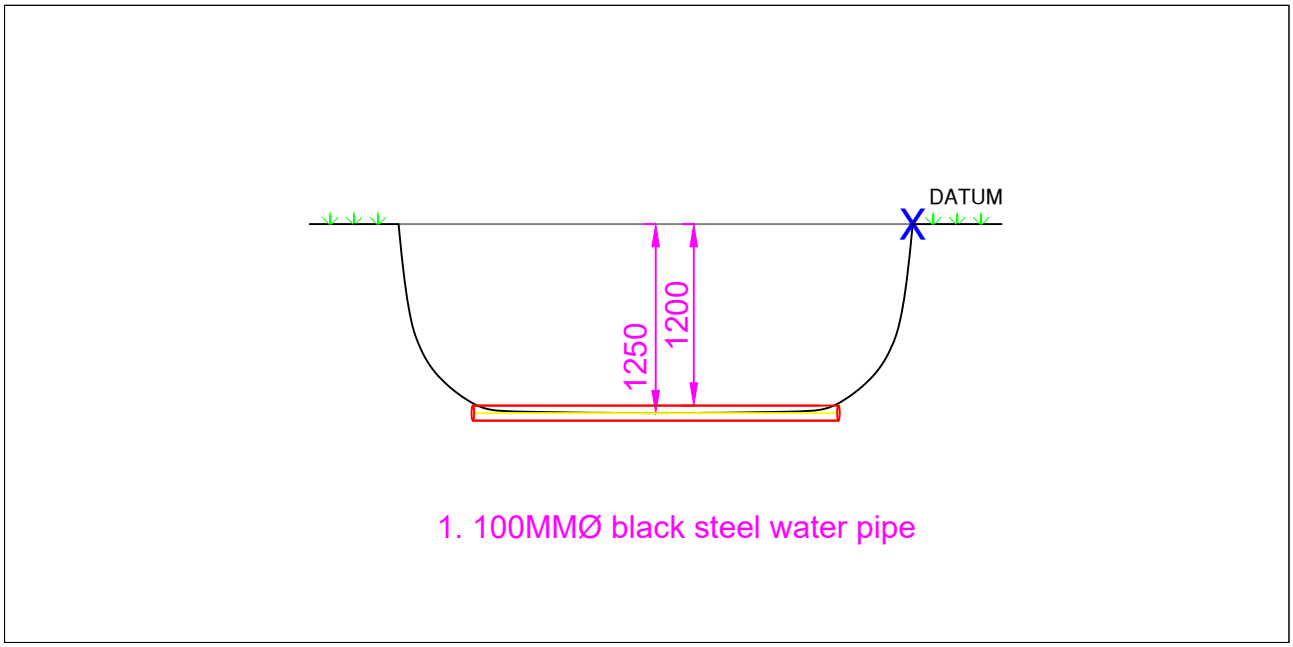
Stability: Poor
Plant: 3t track machine
Backfill: Arisings

Groundwater: None encountered

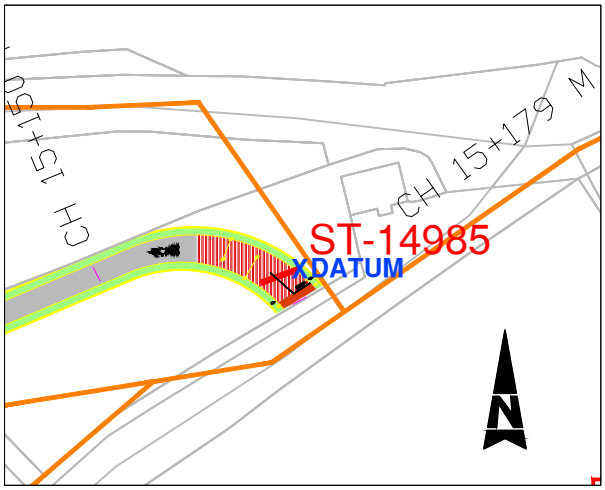
Remarks: Trench terminated at 1.25m bgl. Refer to DWG, job number P25205 trench umber ST-14985, for cross sectional details. Hand vane carried out at 0.50m bgl using 19mm blades.



SLIT TRENCH PLAN, 1:50 ON A4



SLIT TRENCH SECTION, 1:50 ON A4



SLIT TRENCH LOCATION PLAN, 1:1000 ON A4

DATUM COORDINATES:
EASTING: 498796.27
NORTHING: 654916.87
LEVEL: 3.779mAOD

KEY:
DATUM: X

SLIT TRENCH DIMENSIONS:
LENGTH: 3.40m
WIDTH: 0.50m
DEPTH: 1.25m

STRATA SHOWN ON DETAILED LOG

DRAWN BY:		DATE:
Gary Curtin		26/03/2026
LOGGED BY:		DATE:
D.S.		10/03/2026
SCALE:	APPROVED:	REVISION:
AS STATED	GH	D01

SLIT TRENCH NUMBER:
ST14985

JOB NAME:
West Clare Greenway

JOB NUMBER:
P25205

DRAWING NUMBER:
P25205-ST14985

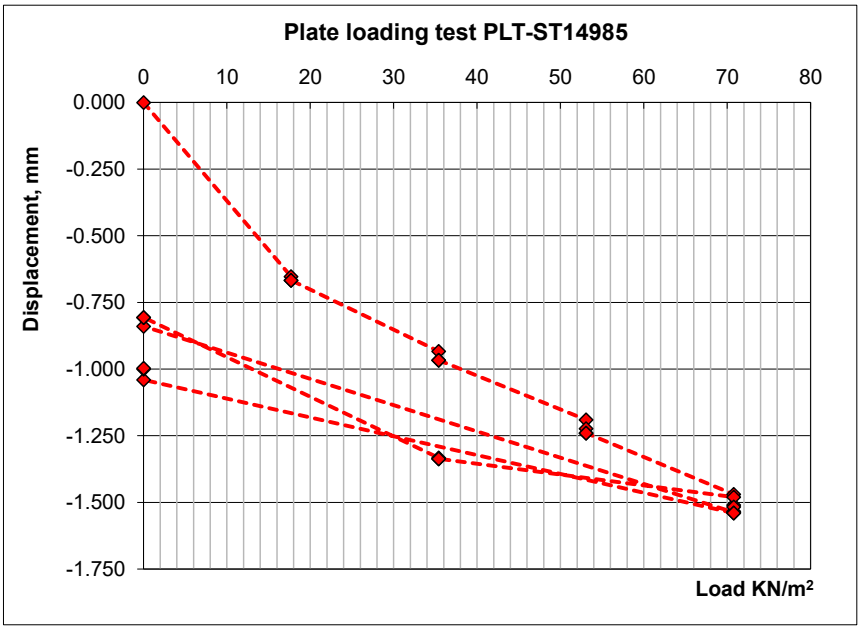
JOB REF:	P25205
JOB Name:	West Clare Greenway

Plate Bearing Test	PLT-ST14985	
Test Number	1	
Depth	0.50	**m bgl**
Bedding Material	Sand	
Date	10/03/2026	
Ground Conditions	very silty very sandy GRAVEL	
Seating Load	5kPa	
Plate Diameter	**600**	mm
Plate Area	0.2826	m^2

	G1	G2	G3	
Zero gauge	**0.00**	**0.00**	**0.00**	**0.00 mm**

Force (KN)	Pressure (kPa)	Time (min)	Div (mm)	Div (mm)	Div (mm)	Average	Δ h, mm
0	0	0	0.00	0.00	0.00	0.00	0.00
5	18	0	0.84	0.61	0.51	0.65	-0.65
5	18	1	0.87	0.62	0.51	0.67	-0.67
5	18	2	0.87	0.62	0.51	0.67	-0.67
10	35	0	1.02	0.99	0.79	0.93	-0.93
10	35	1	1.05	1.02	0.83	0.97	-0.97
10	35	2	1.05	1.02	0.83	0.97	-0.97
15	53	0	1.31	1.25	1.01	1.19	-1.19
15	53	1	1.35	1.29	1.03	1.22	-1.22
15	53	2	1.37	1.31	1.04	1.24	-1.24
15	53	3	1.37	1.31	1.04	1.24	-1.24
20	71	0	1.67	1.47	1.27	1.47	-1.47
20	71	1	1.72	1.49	1.32	1.51	-1.51
20	71	2	1.74	1.53	1.33	1.53	-1.53
20	71	3	1.75	1.53	1.33	1.54	-1.54
0	0	0	0.99	0.82	0.71	0.84	-0.84
0	0	1	0.94	0.81	0.67	0.81	-0.81
0	0	2	0.94	0.81	0.67	0.81	-0.81
10	35	0	1.27	1.42	1.31	1.33	-1.33
10	35	1	1.28	1.42	1.31	1.34	-1.34
10	35	2	1.28	1.42	1.31	1.34	-1.34
20	71	0	1.49	1.53	1.42	1.48	-1.48
20	71	1	1.52	1.56	1.47	1.52	-1.52
20	71	2	1.53	1.59	1.50	1.54	-1.54
20	71	3	1.53	1.59	1.50	1.54	-1.54
0	0	0	1.07	1.11	0.94	1.04	-1.04
0	0	1	1.03	1.07	0.90	1.00	-1.00
0	0	2	1.02	1.07	0.90	1.00	-1.00

Load to Achieve 1.25mm of Settlement:	**54**	kPa
Subgrade Modulus ($MN/m^2/m$) k_{750}:	**36**	
Estimated CBR (NRA DMRB HD25-26 3.62)	**4.8**	%
Plate scaling factor	**0.83**	
Plate rigidity factor	**1.00**	



No	Job	Location	Date	Engineer
P25205	West Clare Greenway	DCP-ST14985	10/03/2026	DS

Drop	Weight	Cone	Correlation
575mm	8kg	60°	TRL DCP

Starting Depth mm	Ground Level	Easting	Northing
0	3.78	498796.27	654916.87

Blows	Depth (m bgl)	Penetration (mm)	Penetration Per blow (mm)	CBR, % (Kleyn)	CBR, % (TII DN-PAV-03021)
0	0.070	70	-	-	-
1	0.140	70	70	1.9	3.4
1	0.160	20	20	9.1	13
1	0.180	20	20	9.1	13
1	0.200	20	20	9.1	13
1	0.210	10	10	22	26
1	0.240	30	30	5.5	8.3
1	0.260	20	20	9.1	13
1	0.270	10	10	22	26
1	0.280	10	10	22	26
1	0.290	10	10	22	26
1	0.300	10	10	22	26
1	0.305	5	5	53	55
1	0.310	5	5	53	55
25	0.310	0	0	-	-

Adjustments		
	0.71	moderate
	0.5	dry
	0.35	very dry
	0.5	not assessed

Photographic Record

Number:	**ST-14985**	**Project**	West Clare Railway Greenway Section 1
		Project No	P25205
		Engineer	Roughan O'Donovan

KEY TO SYMBOLS ON LAB RESULTS

U	Undisturbed Sample
P	Piston Sample
TWS	Thin Wall Sample
B	Bulk Sample - Disturbed
D	Jar Sample - Disturbed
W	Water Sample
pH	Acidity/Alkalinity Index
SO_3	% - Total Sulphate Content (acid soluble)
SO_3	g/ltr - Water Soluble Sulphate (Water or 2:1 Aqueous Soil Extract)
+	Calcareous Reaction
Cl	Chloride Content
PI	Plasticity Index
<425	% of material in sample passing 425 micron sieve
LL	Liquid Limit
PL	Plastic Limit
MC	Water Content
NP	Non Plastic
Yb	Bulk Density
Yd	Dry Density
Ps	Particle Density
U/D	Undrained/Drained Triaxial
U/C	Unconsolidated/Consolidated Triaxial
T/M	Single Stage/Multistage Triaxial
100/38	Sample Diameter (mm)
REM	Remoulded Triaxial Test Specimen
TST	Triaxial Suction Test
V	Vane Test
DSB	Drained Shear Box
RSB	Residual Shear Box
RS	Ring Shear σ_3 Cell Pressure
σ_1-σ_3	Deviator Stress
c	Cohesion
c_	Effective Cohesion Intercept ϕ
ϕ_	Effective Angle of Shearing Resistance εf
p_o	Effective Overburden Pressure m_v Coefficient of Volume
c_v	Coefficient of Consolidation
Std	Standard Compaction - 2.5kg Rammer
Hvy	Heavy Compaction - 4.5kg Rammer
Vib	Vibratory Compaction
CBR	California Bearing Ratio
MCV	Moisture Condition Value

pgl priority geotechnical	**Natural Moisture Content/Atterberg Limits Summary** **BS 1377 : Part 2 : 1990 : Clause 3**	**Job Ref**
Location	**West Clare Greenway**	**P25205**

Hole ID	Sample Ref	Depth (m)	Sample Type	Sample Description	MC	LL	PL	PI	% Pass 425
K-TH01	1	0	B	Very sandy very silty GRAVEL with low cobble content	13	38	25	13	56
K-TH01	3	2	B	Slightly sandy gravelly CLAY wuth low cobble content	16				
ST-000	2	0.5	D	Silty very sandy GRAVEL	8				
ST-000	3	1	B	Slightly gravelly slightly sandy CLAY	23	33	21	12	82.1
ST-000	6	1.5	D	PEAT	189				
ST-13710	2	0.5	D	Slightly sandy slightly gravelly SILT with medium cobble content	22	34	24	10	96.7
ST-13710	4	1	D	Slightly sandy slightly gravelly SILT with medium cobble content	23				
ST-13725	2	0.5	D	Slightly sandy slightly gravelly SILT with medium cobble content	27	42	33	9	77.5
ST-13725	4	1	D	Very sandy very clayey GRAVEL with medium cobble content	11	28	19	9	52
ST-13765	2	0.5	D	Slightly sandy gravelly SILT with high cobble content	30	61	44	17	64.1
ST-13765	4	1	D	Slightly gravelly slightly sandy SILT	24	46	28	18	98.3
ST-14300	2	0.5	D	Silty very sandy GRAVEL	15	58	40	18	42.6
ST-14300	4	1	D	Very clayey very sandy GRAVEL with medium cobble content	9	32	20	12	53.5
ST-14300	6	2	D	Very clayey very sandy GRAVEL with medium cobble content	11				
ST-14985	2	0.5	D	Very clayey very sandy GRAVEL with low cobble content	23				
ST-14985	5	1	D	Very sandy very silty GRAVEL	16	41	30	11	59
ST-625	1	0.5	B	PEAT	38				
ST-625	4	1.2	D	Slightly gravelly slightly sandy SILT	42	51	35	16	95.4
ST-670	2	0.5	D	Silty very sandy GRAVEL	63	102	75	27	70.5
ST-670	4	1	D	Slightly sandy slightly gravelly CLAY	15	33	19	14	85.9

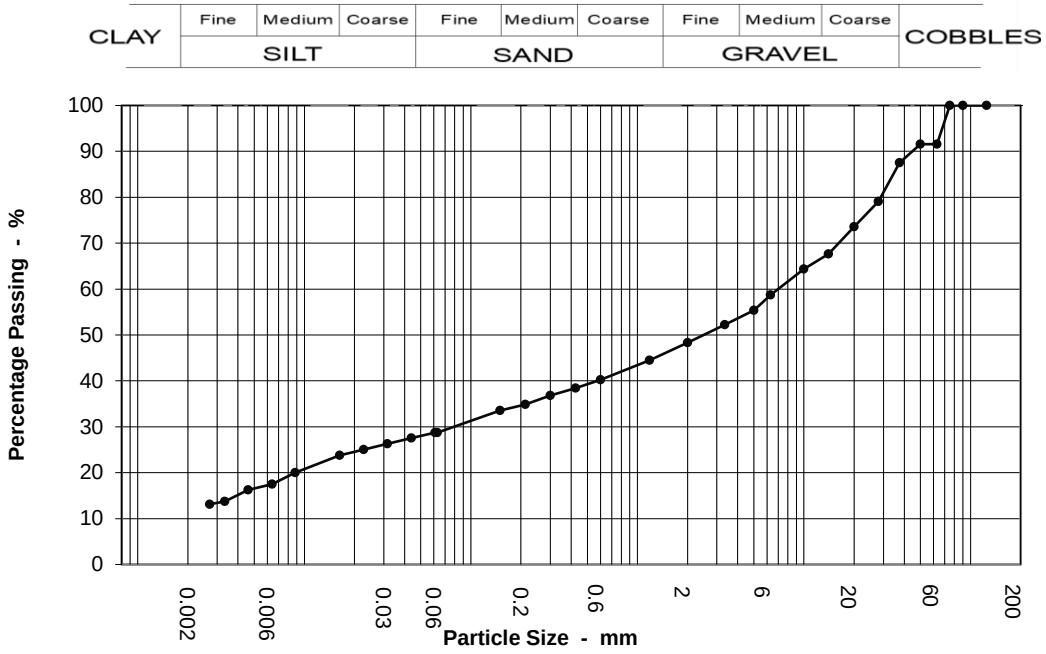
pgl priority geotechnical	**Natural Moisture Content/Atterberg Limits Summary** **BS 1377 : Part 2 : 1990 : Clause 3**	**Job Ref**
Location	**West Clare Greenway**	**P25205**

Hole ID	Sample Ref	Depth (m)	Sample Type	Sample Description	MC	LL	PL	PI	% Pass 425
ST-670	6	2	D	Slightly sandy slightly gravelly CLAY	14	32	19	13	71.7
ST-7960	2	0.5	D	Very sandy very silty GRAVEL	16				
ST-7960	5	1	D	Very sandu very clayey GRAVEL with high cobble content	8	26	16	10	69.9
ST-8010	2	0.5	D	Slightly silty sandy GRAVEL	4				
ST-8100	2	0.5	D	Silty sandy GRAVEL with low cobble content	13	44	28	16	36.1
TP-6630	2	0.5	D	Slightly sandy slightly gravelly SILT	29				
TP-6630	4	1	D	Slightly sandy slightly gravelly SILT	15	36	24	12	60.6
TP-8975	2	0.5	D	Slightly sandy slightly gravelly SILT	130				
TP-8975	5	1	D	Slightly gravelly slightly sandy SILT	24	37	24	13	98.3
TP-8975	8	2	D	Slightly gravelly slightly sandy SILT	14				
TP-KTH-01	2	0.5	D	Very silty very sandy GRAVEL	26	46	29	17	66.4
TP-KTH-01	4	1	D	Very silty very sandy GRAVEL with medium cobble content	40	64	40	24	72.1
TP-KTH-01	6	2	D	Very silty very sandy GRAVEL with low cobble content	33	65	42	23	55.8
TP-MTH-01	2	0.5	D	Sandy very silty GRAVEL	20	46	29	17	57.9
TP-MTH-01	4	1	D	Sandy very silty GRAVEL with low cobble content	25	61	47	14	59.8
TP-MTH-02	2	0.5	D	Very sandy very silty GRAVEL with low cobble content	18				
TP-MTH-02	5	1	D	Slightly sandy gravelly SILT with medium cobble content	20	51	32	19	70.6

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	K-TH01
Location	**West Clare Greenway**	Sample No	2
		Depth	1.00 m
Soil Description	Very sandy very silty GRAVEL with low cobble content	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.061	29
90	100	0.044	28
75	100	0.032	26
63	92	0.023	25
50	92	0.016	24
37.5	87	0.009	20
28	79	0.006	18
20	74	0.005	16
14	68	0.003	14
10	64	0.003	13
6.3	59	0.001	11
5	55		
3.35	52		
2	48		
1.18	45		
0.6	40		
0.425	38		
0.3	37		
0.212	35		
0.15	34		
0.063	29		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.5
Sedimentation	Clause 9.5

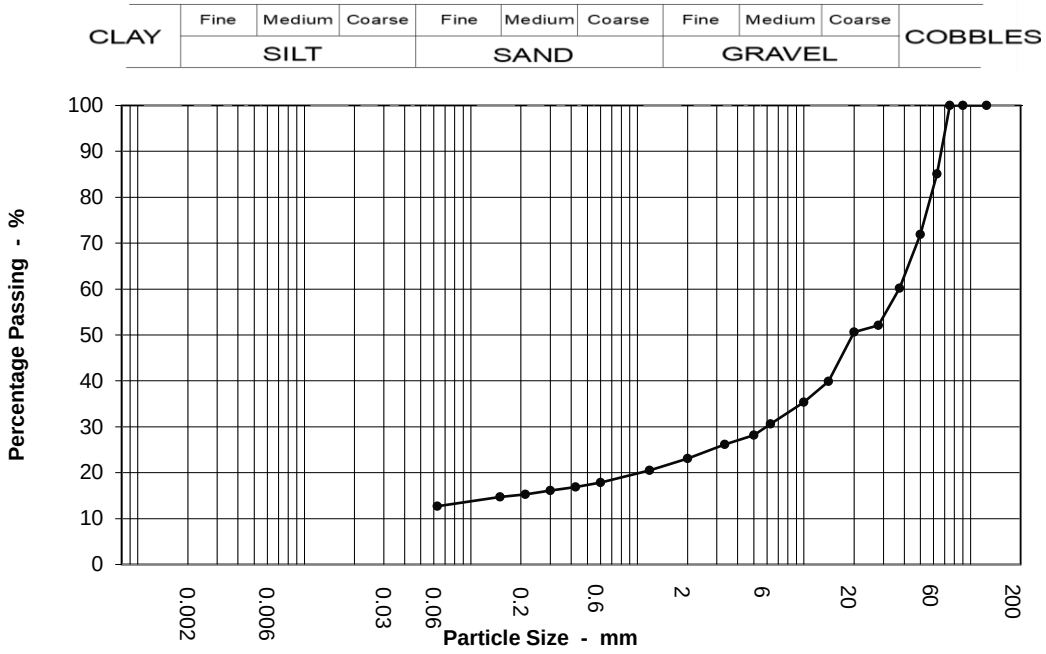
Sample Proportions	
Cobbles	8.0
Gravel	43.0
Sand	20.0
Silt	17.0
Clay	12.0

Grading Analysis	
D100	75.00
D60	7.00
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	K-TH01
Location	**West Clare Greenway**	Sample No	4
		Depth	3.00 m
Soil Description	Sandy silty GRAVEL with medium cobble content	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	85		
50	72		
37.5	60		
28	52		
20	51		
14	40		
10	35		
6.3	31		
5	28		
3.35	26		
2	23		
1.18	21		
0.6	18		
0.425	17		
0.3	16		
0.212	15		
0.15	15		
0.063	13		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

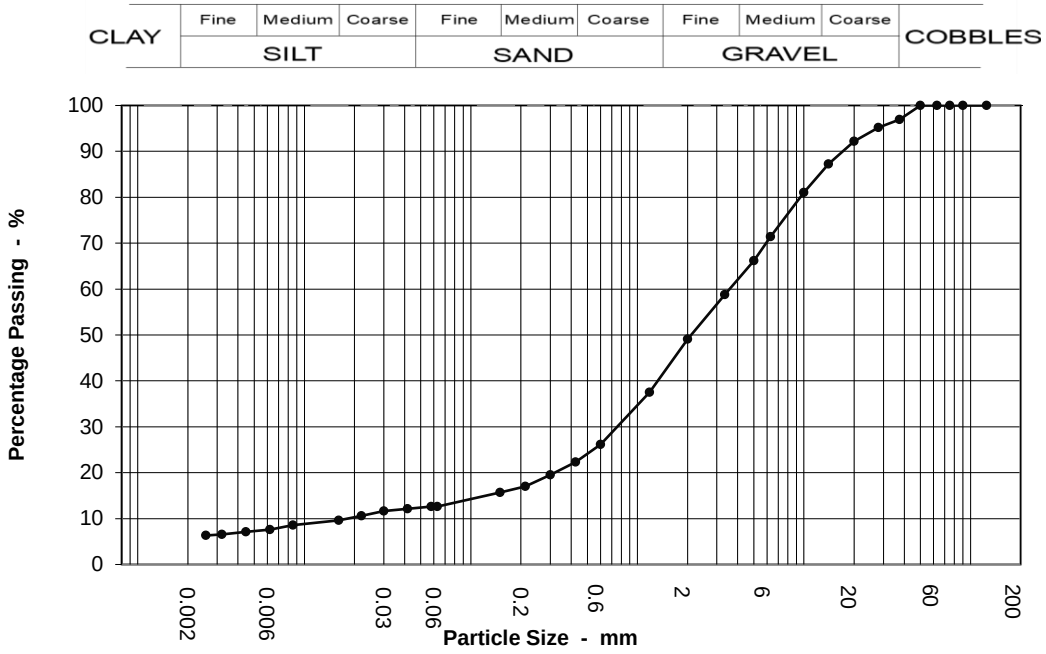
Sample Proportions	
Cobbles	15.0
Gravel	62.0
Sand	10.0
Silt & Clay	13.0

Grading Analysis	
D100	75.00
D60	37.20
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-000
Location	**West Clare Greenway**	Sample No	1
		Depth	0.50 m
Soil Description	Silty very sandy GRAVEL	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.058	13
90	100	0.042	12
75	100	0.030	12
63	100	0.022	11
50	100	0.016	10
37.5	97	0.009	9
28	95	0.006	8
20	92	0.004	7
14	87	0.003	7
10	81	0.003	6
6.3	71	0.001	5
5	66		
3.35	59		
2	49		
1.18	38		
0.6	26		
0.425	22		
0.3	19		
0.212	17		
0.15	16		
0.063	13		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.5
Sedimentation	Clause 9.5

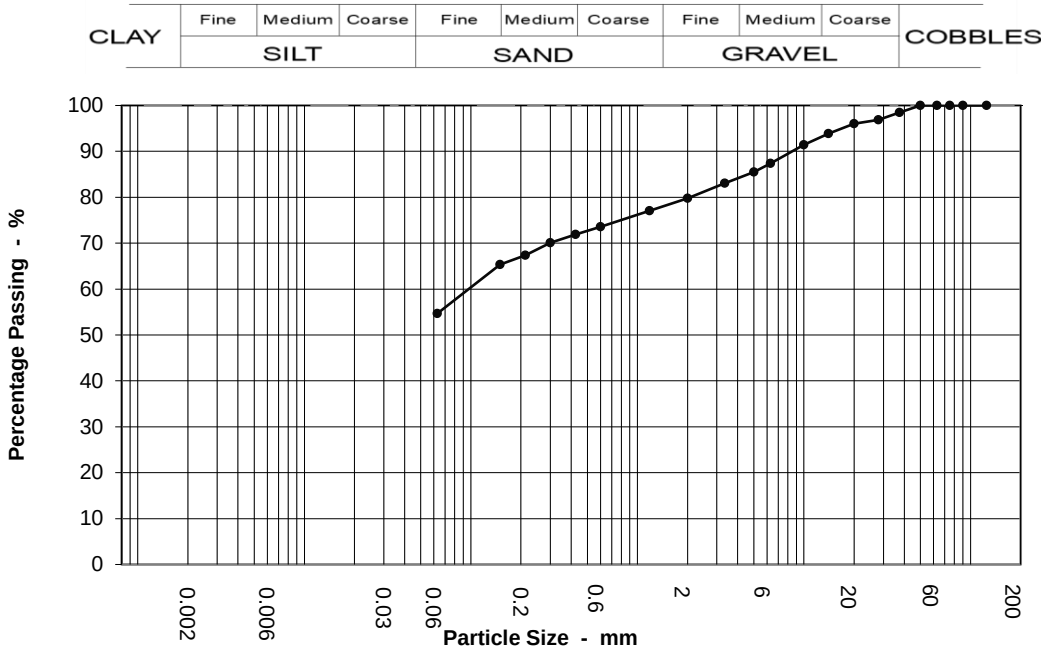
Sample Proportions	
Cobbles	0.0
Gravel	51.0
Sand	36.0
Silt	7.0
Clay	6.0

Grading Analysis	
D100	50.00
D60	3.57
D10	0.02
Uniformity Coefficient	200.00

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-000
Location	**West Clare Greenway**	Sample No	4
		Depth	1.00 m
Soil Description	Slightly gravelly slightly sandy CLAY	Sample type	D



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	98		
28	97		
20	96		
14	94		
10	91		
6.3	87		
5	85		
3.35	83		
2	80		
1.18	77		
0.6	74		
0.425	72		
0.3	70		
0.212	67		
0.15	65		
0.063	55		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

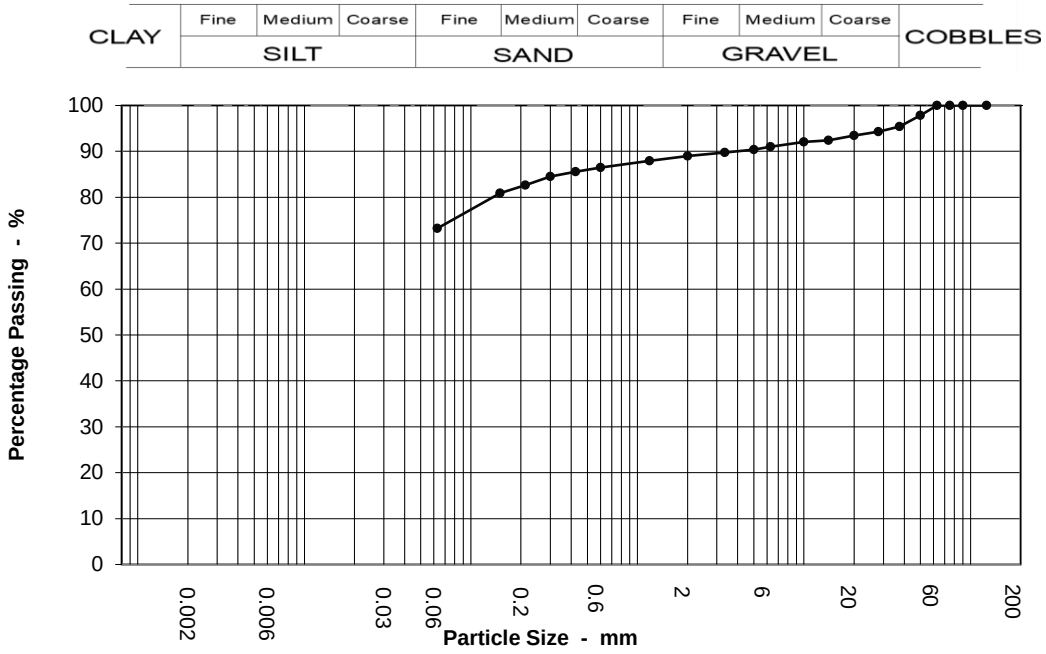
Sample Proportions	
Cobbles	0.0
Gravel	20.0
Sand	25.0
Silt & Clay	55.0

Grading Analysis	
D100	50.00
D60	0.10
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-13710
Location	**West Clare Greenway**	Sample No	4
		Depth	1.00 m
Soil Description	Slightly sandy slightly gravelly SILT with medium cobble content	Sample type	D



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	98		
37.5	95		
28	94		
20	93		
14	92		
10	92		
6.3	91		
5	90		
3.35	90		
2	89		
1.18	88		
0.6	86		
0.425	86		
0.3	84		
0.212	83		
0.15	81		
0.063	73		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

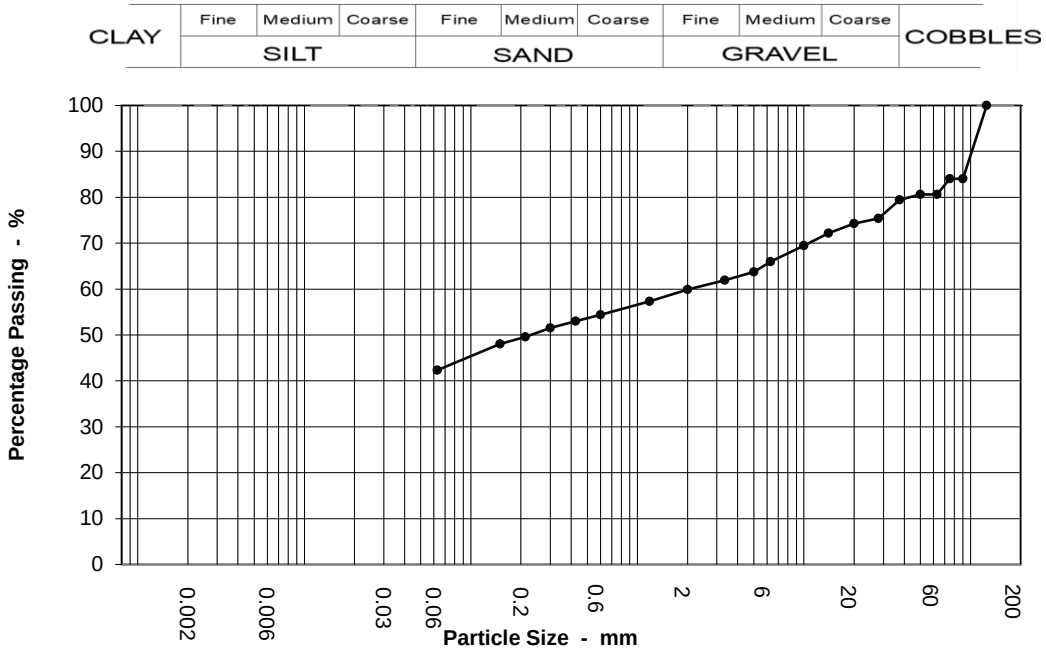
Sample Proportions	
Cobbles	0.0
Gravel	11.0
Sand	16.0
Silt & Clay	73.0

Grading Analysis	
D100	63.00
D60	
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-13725
Location	**West Clare Greenway**	Sample No	1
		Depth	0.50 m
Soil Description	Slightly sandy slightly gravelly SILT with medium cobble content	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	84		
75	84		
63	81		
50	81		
37.5	79		
28	75		
20	74		
14	72		
10	69		
6.3	66		
5	64		
3.35	62		
2	60		
1.18	57		
0.6	54		
0.425	53		
0.3	52		
0.212	50		
0.15	48		
0.063	42		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

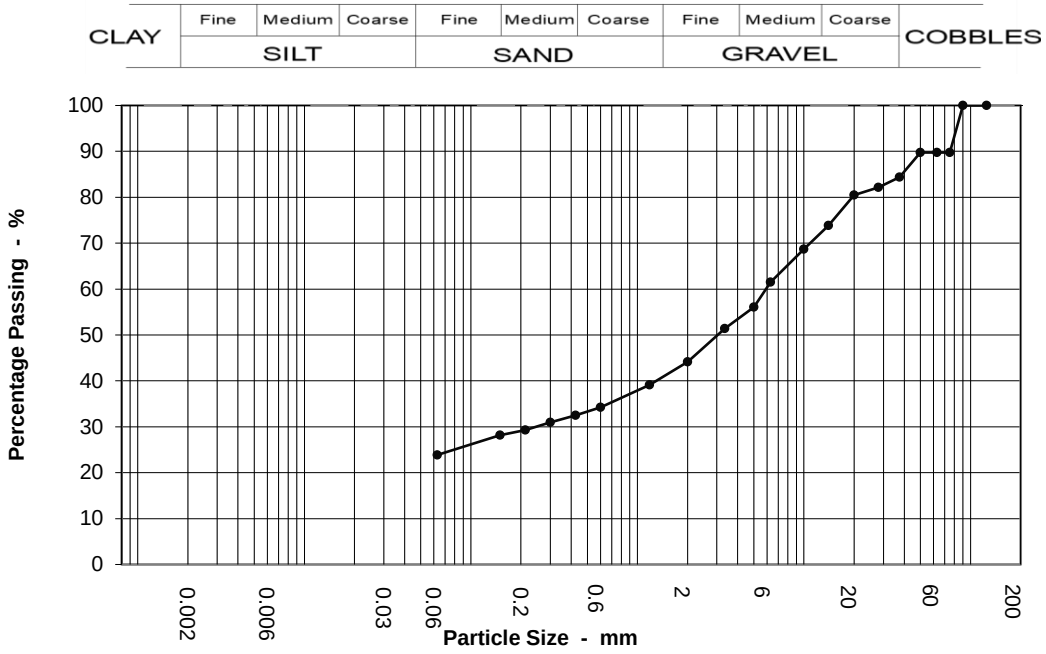
Sample Proportions	
Cobbles	19.0
Gravel	21.0
Sand	18.0
Silt & Clay	42.0

Grading Analysis	
D100	125.00
D60	2.04
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-13725
Location	**West Clare Greenway**	Sample No	3
		Depth	1.00 m
Soil Description	Very sandy very clayey GRAVEL with medium cobble content	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	90		
63	90		
50	90		
37.5	84		
28	82		
20	80		
14	74		
10	69		
6.3	62		
5	56		
3.35	51		
2	44		
1.18	39		
0.6	34		
0.425	32		
0.3	31		
0.212	29		
0.15	28		
0.063	24		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

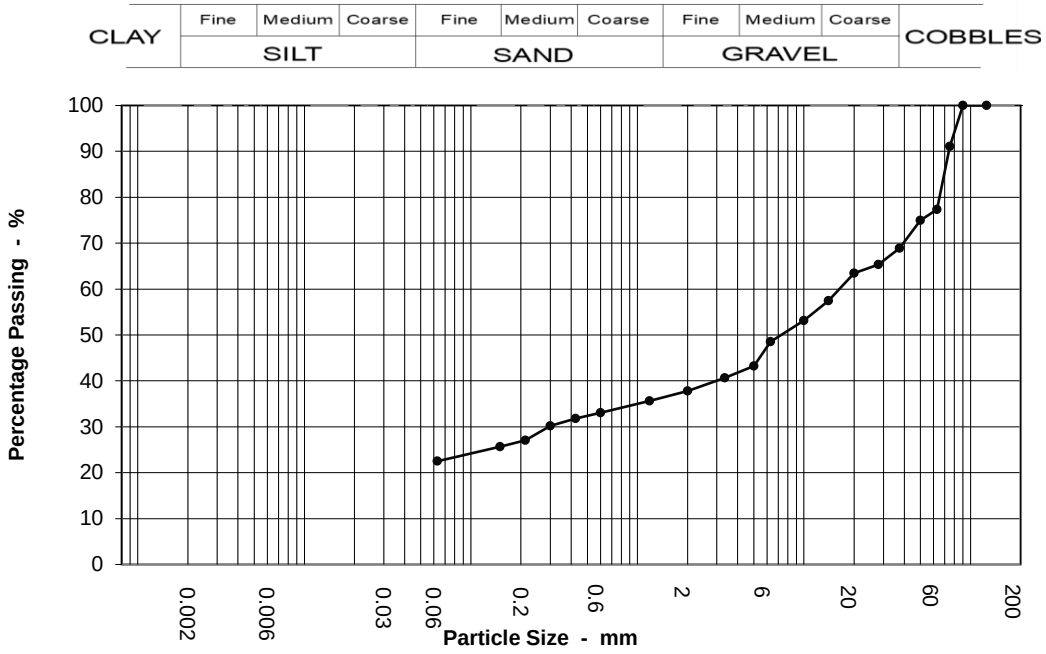
Sample Proportions	
Cobbles	10.0
Gravel	46.0
Sand	20.0
Silt & Clay	24.0

Grading Analysis	
D100	90.00
D60	5.90
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-13765
Location	**West Clare Greenway**	Sample No	1
		Depth	0.50 m
Soil Description	Slightly sandy gravelly SILT with high cobble content	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	91		
63	77		
50	75		
37.5	69		
28	65		
20	63		
14	57		
10	53		
6.3	49		
5	43		
3.35	41		
2	38		
1.18	36		
0.6	33		
0.425	32		
0.3	30		
0.212	27		
0.15	26		
0.063	23		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

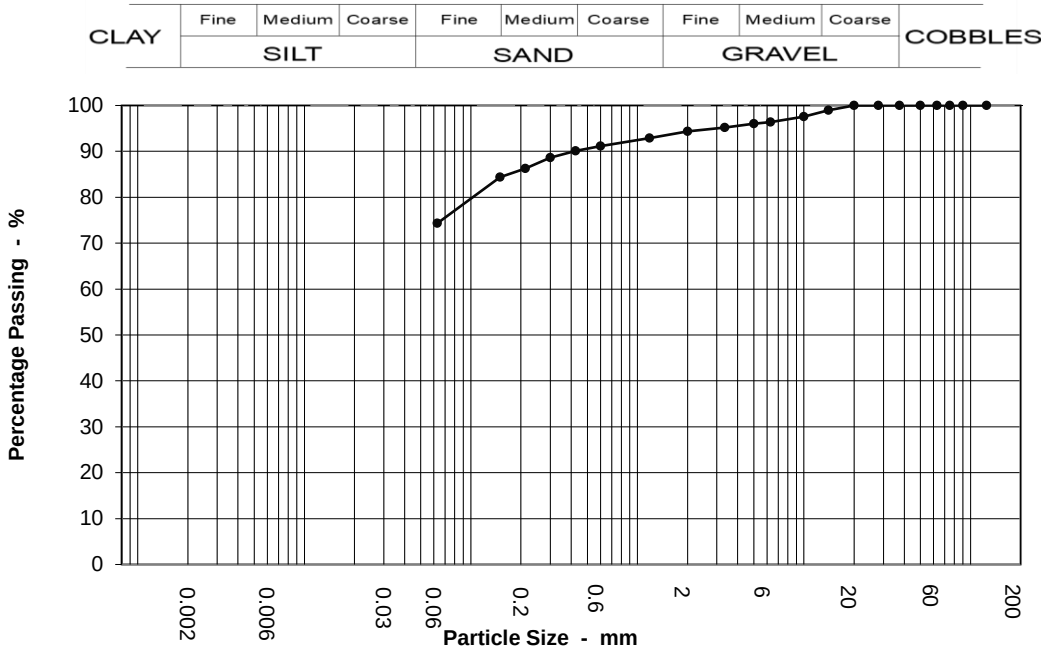
Sample Proportions	
Cobbles	23.0
Gravel	40.0
Sand	15.0
Silt & Clay	23.0

Grading Analysis	
D100	90.00
D60	16.30
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-13765
Location	**West Clare Greenway**	Sample No	3
		Depth	1.00 m
Soil Description	Slightly gravelly slightly sandy SILT	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	99		
10	98		
6.3	96		
5	96		
3.35	95		
2	94		
1.18	93		
0.6	91		
0.425	90		
0.3	89		
0.212	86		
0.15	84		
0.063	74		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

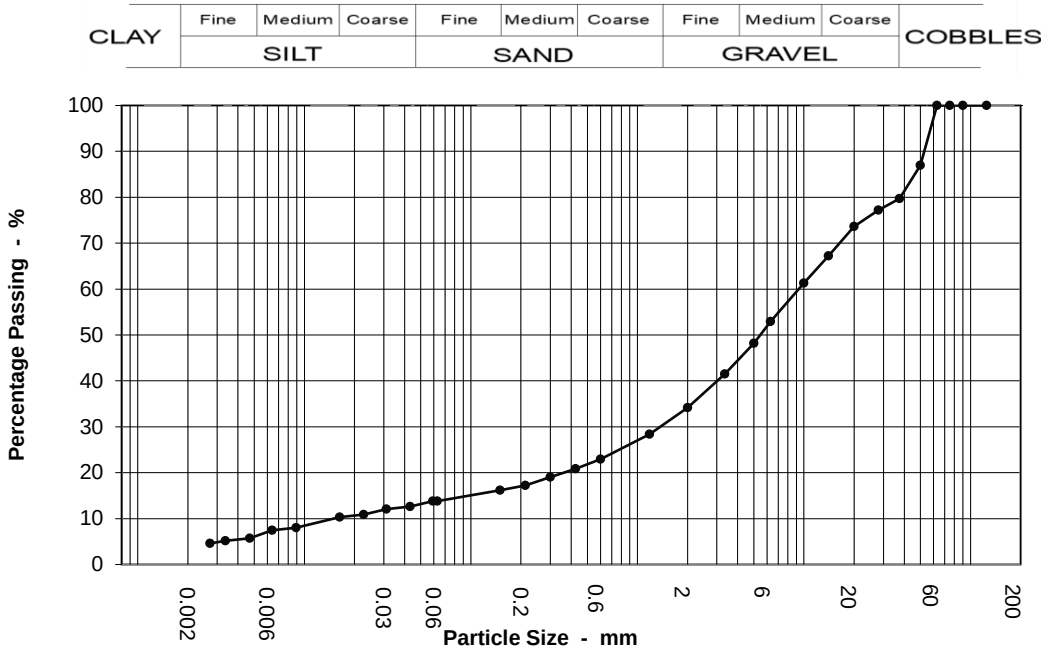
Sample Proportions	
Cobbles	0.0
Gravel	6.0
Sand	20.0
Silt & Clay	74.0

Grading Analysis	
D100	20.00
D60	
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-14300
Location	**West Clare Greenway**	Sample No	1
		Depth	0.50 m
Soil Description	Silty very sandy GRAVEL	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.059	14
90	100	0.043	13
75	100	0.031	12
63	100	0.023	11
50	87	0.016	10
37.5	80	0.009	8
28	77	0.006	7
20	74	0.005	6
14	67	0.003	5
10	61	0.003	5
6.3	53	0.001	3
5	48		
3.35	41		
2	34		
1.18	28		
0.6	23		
0.425	21		
0.3	19		
0.212	17		
0.15	16		
0.063	14		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.5
Sedimentation	Clause 9.5

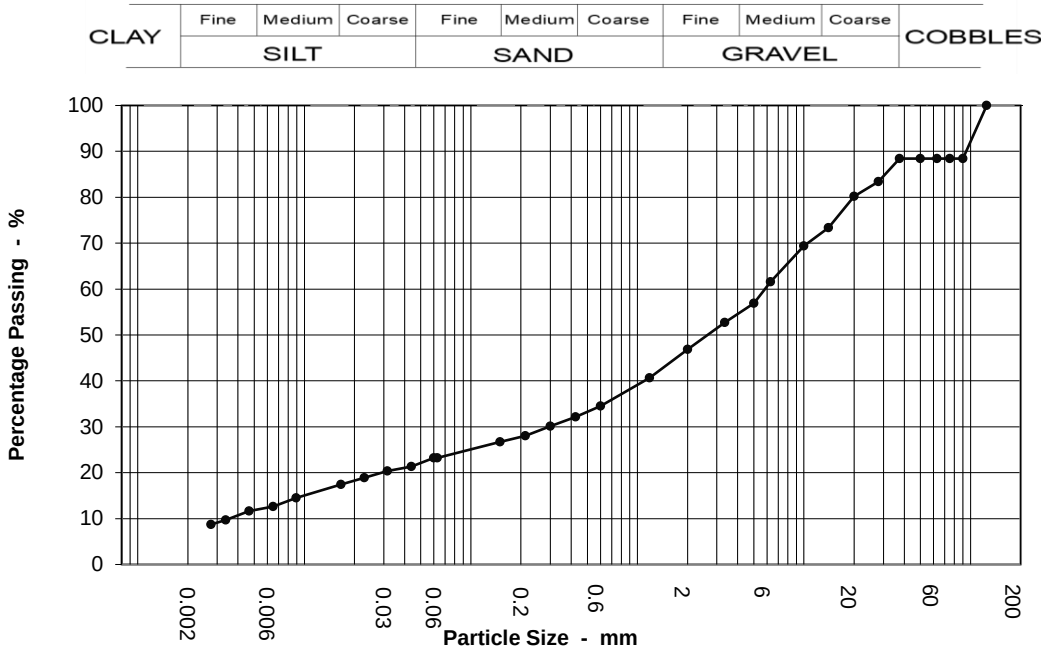
Sample Proportions	
Cobbles	0.0
Gravel	66.0
Sand	20.0
Silt	10.0
Clay	4.0

Grading Analysis	
D100	63.00
D60	9.32
D10	0.01
Uniformity Coefficient	620.00

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-14300
Location	**West Clare Greenway**	Sample No	5
		Depth	2.00 m
Soil Description	Very clayey very sandy GRAVEL with medium cobble content	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.060	23
90	88	0.044	21
75	88	0.032	20
63	88	0.023	19
50	88	0.017	17
37.5	88	0.009	15
28	83	0.006	13
20	80	0.005	12
14	73	0.003	10
10	69	0.003	9
6.3	62	0.002	7
5	57		
3.35	53		
2	47		
1.18	41		
0.6	35		
0.425	32		
0.3	30		
0.212	28		
0.15	27		
0.063	23		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.5
Sedimentation	Clause 9.5

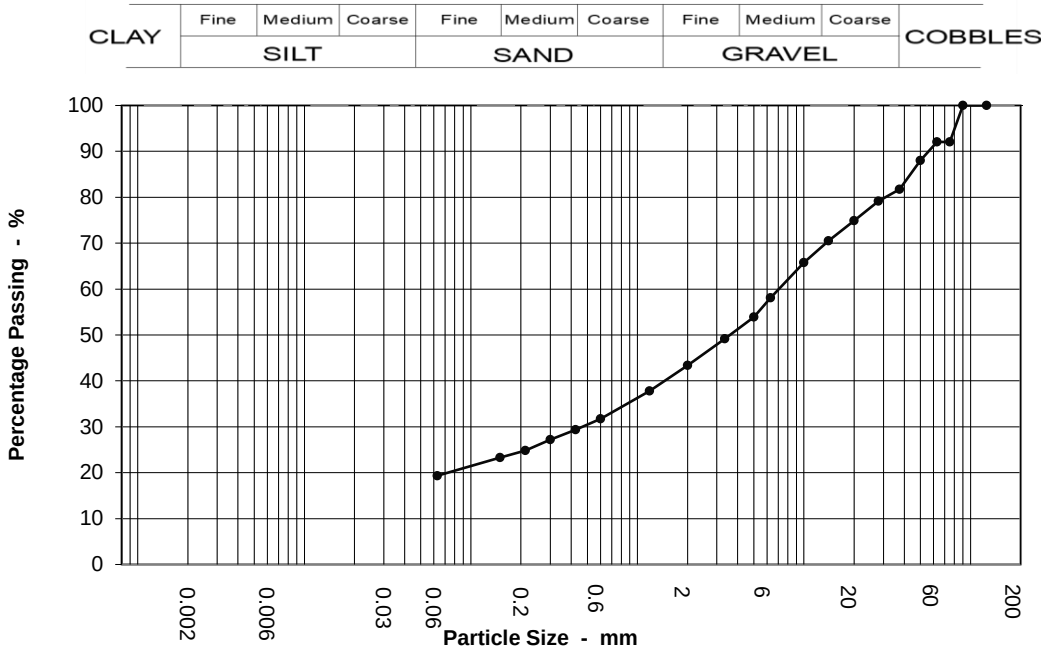
Sample Proportions	
Cobbles	12.0
Gravel	42.0
Sand	24.0
Silt	16.0
Clay	8.0

Grading Analysis	
D100	125.00
D60	5.83
D10	0.00
Uniformity Coefficient	1600.00

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-14985
Location	**West Clare Greenway**	Sample No	1
		Depth	0.50 m
Soil Description	Very clayey very sandy GRAVEL with low cobble content	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	92		
63	92		
50	88		
37.5	82		
28	79		
20	75		
14	71		
10	66		
6.3	58		
5	54		
3.35	49		
2	43		
1.18	38		
0.6	32		
0.425	29		
0.3	27		
0.212	25		
0.15	23		
0.063	19		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

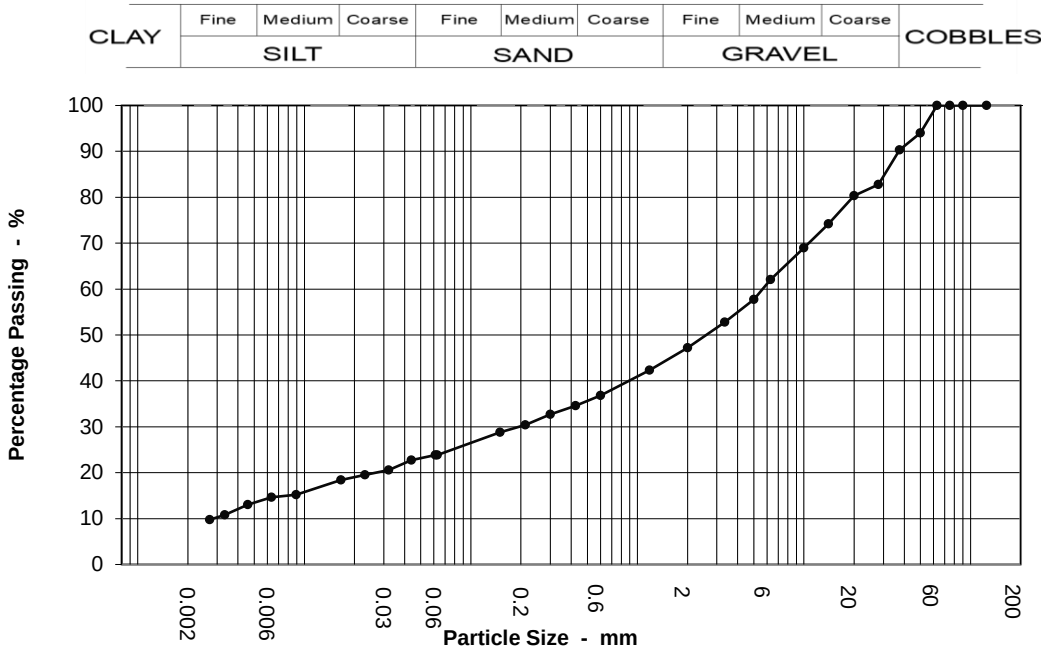
Sample Proportions	
Cobbles	8.0
Gravel	49.0
Sand	24.0
Silt & Clay	19.0

Grading Analysis	
D100	90.00
D60	7.06
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-14985
Location	**West Clare Greenway**	Sample No	4
		Depth	1.00 m
Soil Description	Very sandy very silty GRAVEL	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.061	24
90	100	0.044	23
75	100	0.032	21
63	100	0.023	20
50	94	0.017	18
37.5	90	0.009	15
28	83	0.006	15
20	80	0.005	13
14	74	0.003	11
10	69	0.003	10
6.3	62	0.001	8
5	58		
3.35	53		
2	47		
1.18	42		
0.6	37		
0.425	35		
0.3	33		
0.212	30		
0.15	29		
0.063	24		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.5
Sedimentation	Clause 9.5

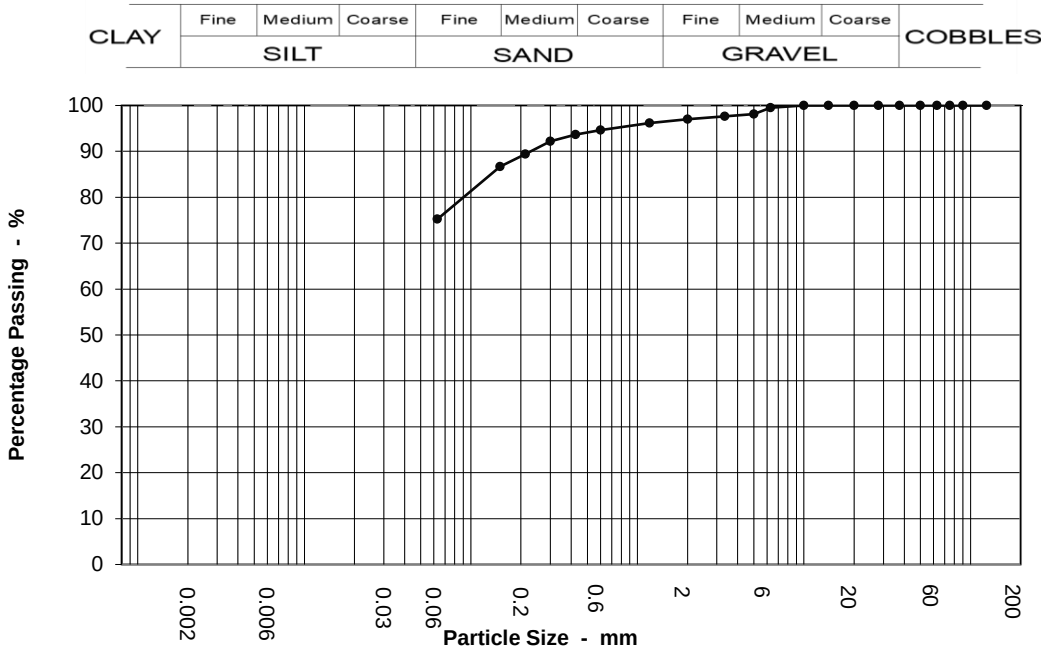
Sample Proportions	
Cobbles	0.0
Gravel	53.0
Sand	23.0
Silt	15.0
Clay	9.0

Grading Analysis	
D100	63.00
D60	5.65
D10	0.00
Uniformity Coefficient	2000.00

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-625
Location	**West Clare Greenway**	Sample No	3
		Depth	1.20 m
Soil Description	Slightly gravelly slightly sandy SILT	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	99		
5	98		
3.35	98		
2	97		
1.18	96		
0.6	95		
0.425	94		
0.3	92		
0.212	89		
0.15	87		
0.063	75		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

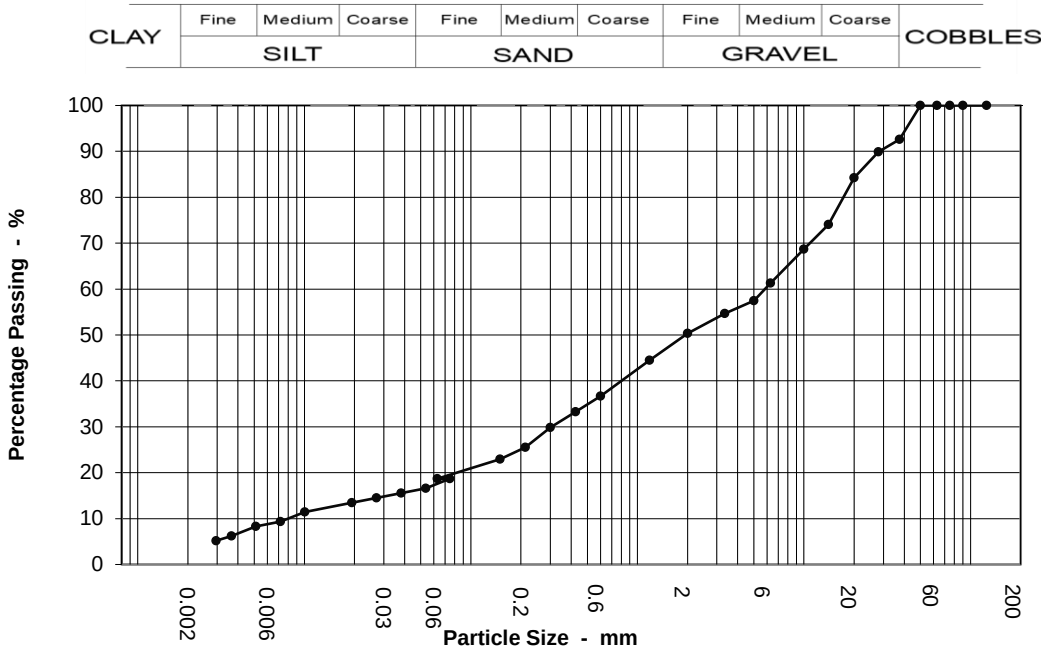
Sample Proportions	
Cobbles	0.0
Gravel	3.0
Sand	22.0
Silt & Clay	75.0

Grading Analysis	
D100	10.00
D60	
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-670
Location	**West Clare Greenway**	Sample No	1
		Depth	0.50 m
Soil Description	Silty very sandy GRAVEL	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.075	19
90	100	0.054	17
75	100	0.038	16
63	100	0.027	15
50	100	0.019	13
37.5	93	0.010	11
28	90	0.007	9
20	84	0.005	8
14	74	0.004	6
10	69	0.003	5
6.3	61	0.002	2
5	57		
3.35	55		
2	50		
1.18	45		
0.6	37		
0.425	33		
0.3	30		
0.212	26		
0.15	23		
0.063	19		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.5
Sedimentation	Clause 9.5

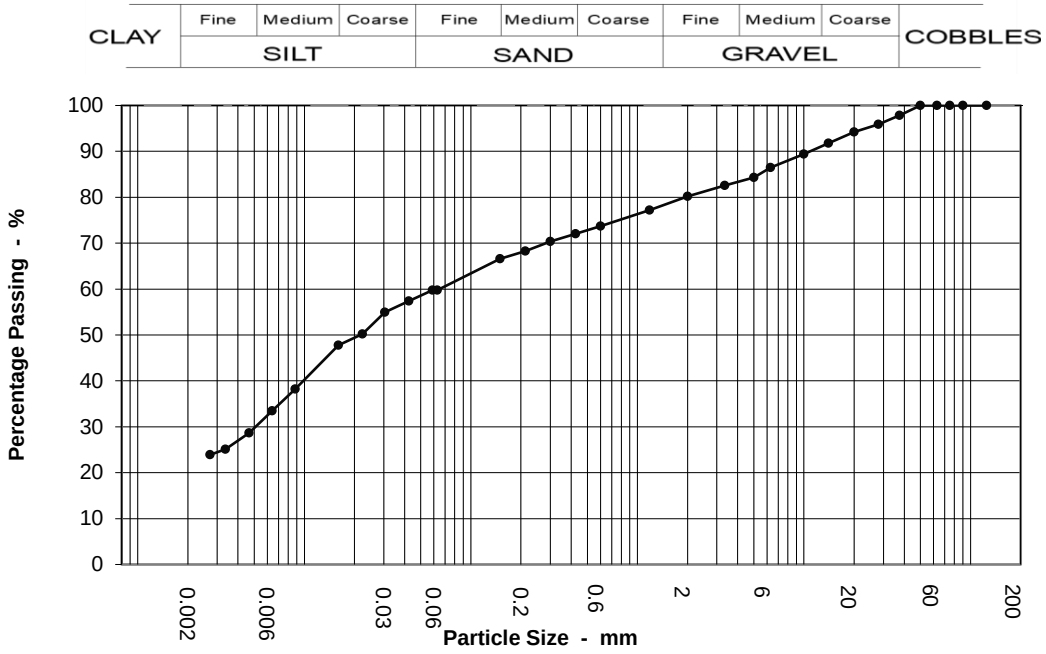
Sample Proportions	
Cobbles	0.0
Gravel	50.0
Sand	32.0
Silt	15.0
Clay	3.0

Grading Analysis	
D100	50.00
D60	5.83
D10	0.01
Uniformity Coefficient	730.00

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-670
Location	**West Clare Greenway**	Sample No	3
		Depth	1.00 m
Soil Description	Slightly sandy slightly gravelly CLAY	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.059	60
90	100	0.042	57
75	100	0.030	55
63	100	0.022	50
50	100	0.016	48
37.5	98	0.009	38
28	96	0.006	33
20	94	0.005	29
14	92	0.003	25
10	89	0.003	24
6.3	86	0.002	17
5	84		
3.35	83		
2	80		
1.18	77		
0.6	74		
0.425	72		
0.3	70		
0.212	68		
0.15	67		
0.063	60		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.5
Sedimentation	Clause 9.5

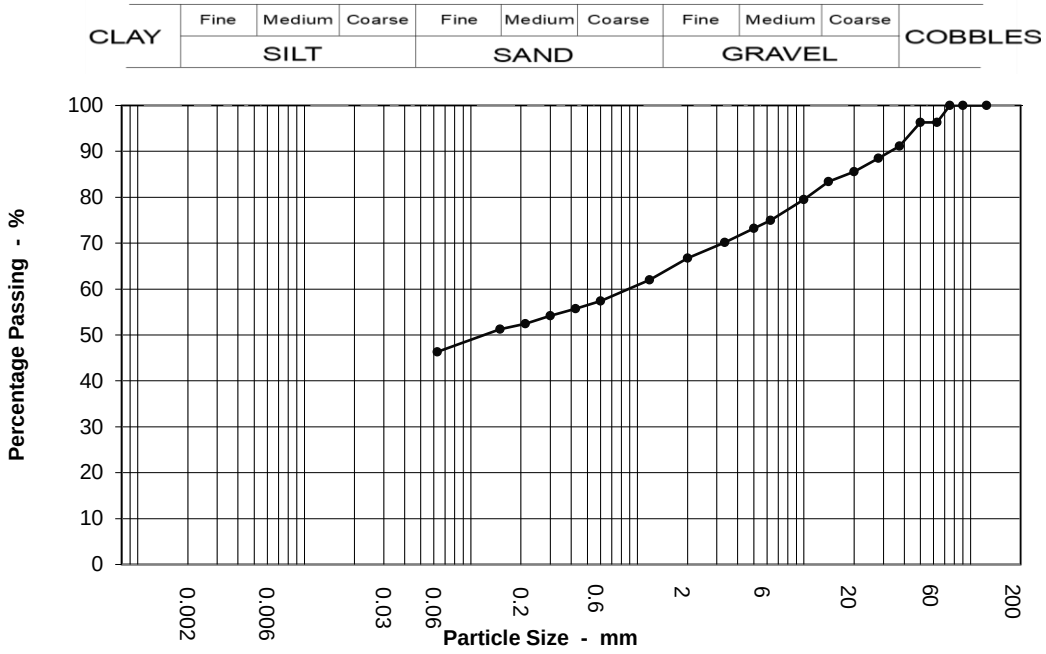
Sample Proportions	
Cobbles	0.0
Gravel	20.0
Sand	20.0
Silt	40.0
Clay	20.0

Grading Analysis	
D100	50.00
D60	0.07
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-670
Location	**West Clare Greenway**	Sample No	5
		Depth	2.00 m
Soil Description	Slightly sandy slightly gravelly CLAY	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	96		
50	96		
37.5	91		
28	88		
20	86		
14	83		
10	79		
6.3	75		
5	73		
3.35	70		
2	67		
1.18	62		
0.6	57		
0.425	56		
0.3	54		
0.212	52		
0.15	51		
0.063	46		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

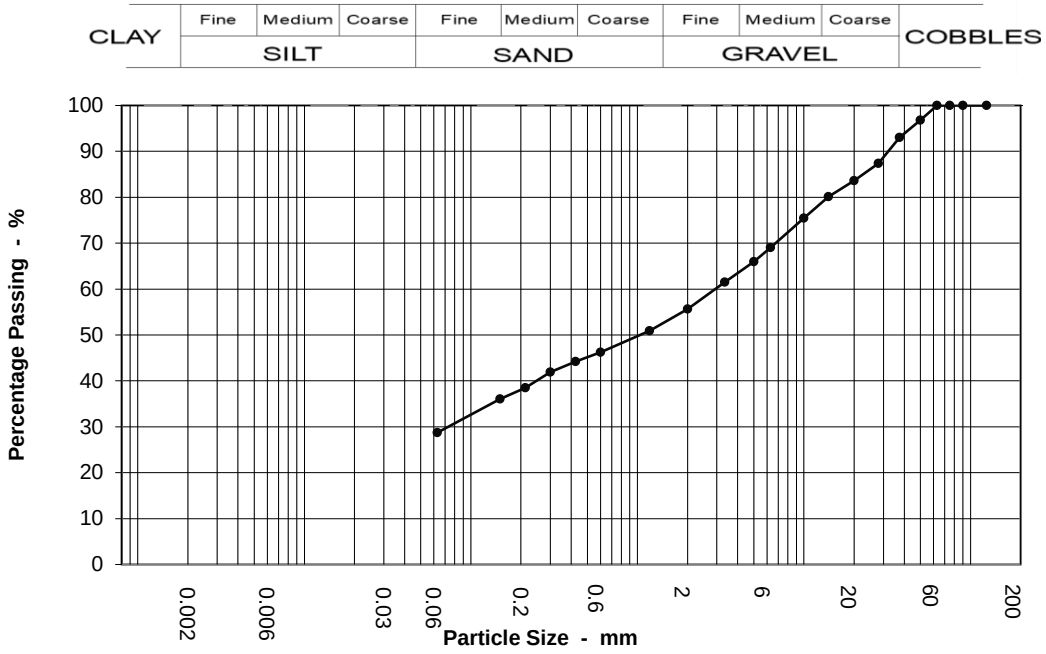
Sample Proportions	
Cobbles	4.0
Gravel	30.0
Sand	20.0
Silt & Clay	46.0

Grading Analysis	
D100	75.00
D60	0.88
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-7960
Location	**West Clare Greenway**	Sample No	1
		Depth	0.50 m
Soil Description	Very sandy very silty GRAVEL	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	97		
37.5	93		
28	87		
20	84		
14	80		
10	75		
6.3	69		
5	66		
3.35	61		
2	56		
1.18	51		
0.6	46		
0.425	44		
0.3	42		
0.212	39		
0.15	36		
0.063	29		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

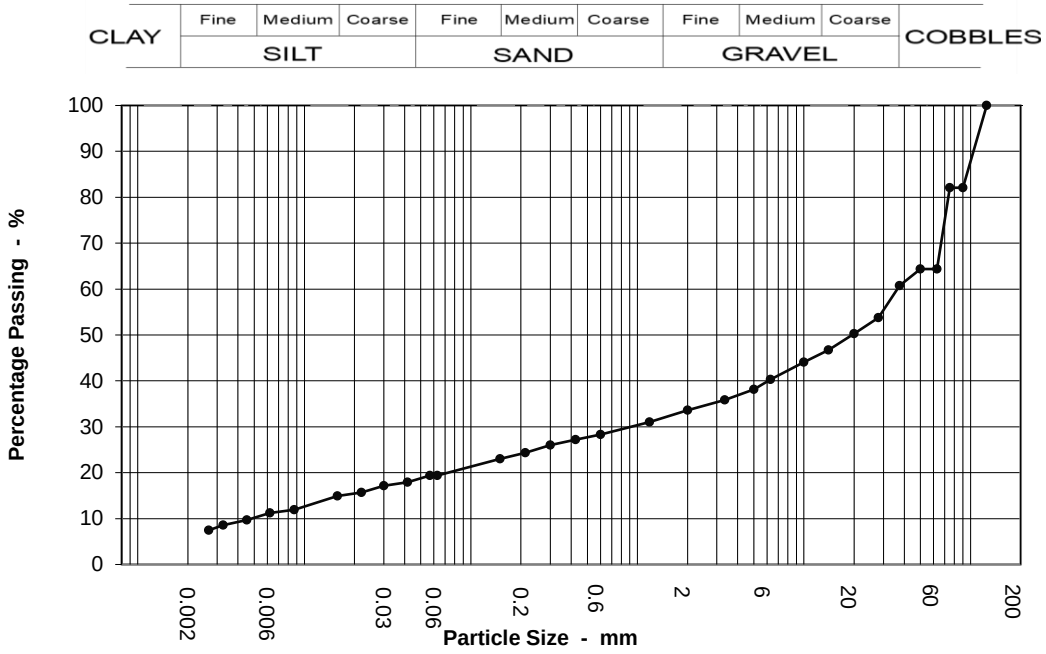
Sample Proportions	
Cobbles	0.0
Gravel	44.0
Sand	27.0
Silt & Clay	29.0

Grading Analysis	
D100	63.00
D60	2.94
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-7960
Location	**West Clare Greenway**	Sample No	4
		Depth	1.00 m
Soil Description	Very sandu very clayey GRAVEL with high cobble content	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.057	19
90	82	0.042	18
75	82	0.030	17
63	64	0.022	16
50	64	0.016	15
37.5	61	0.009	12
28	54	0.006	11
20	50	0.005	10
14	47	0.003	9
10	44	0.003	7
6.3	40	0.001	7
5	38		
3.35	36		
2	34		
1.18	31		
0.6	28		
0.425	27		
0.3	26		
0.212	24		
0.15	23		
0.063	19		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.5
Sedimentation	Clause 9.5

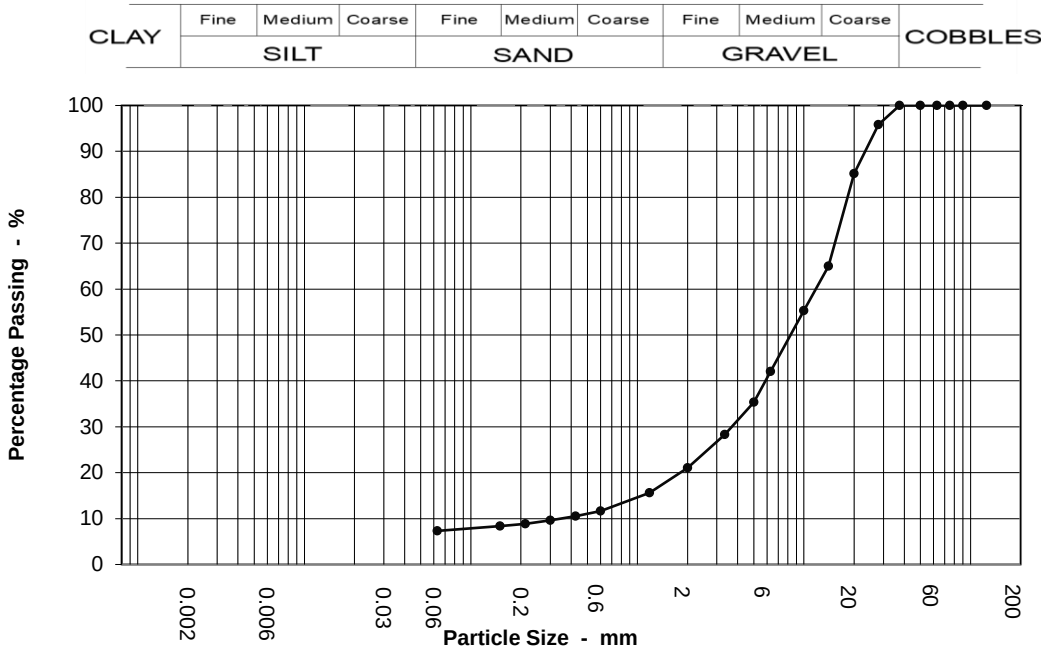
Sample Proportions	
Cobbles	36.0
Gravel	31.0
Sand	14.0
Silt	12.0
Clay	7.0

Grading Analysis	
D100	125.00
D60	36.30
D10	0.00
Uniformity Coefficient	7500.00

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	ST-8010
Location	**West Clare Greenway**	Sample No	1
		Depth	0.50 m
Soil Description	Slightly silty sandy GRAVEL	Sample type	B



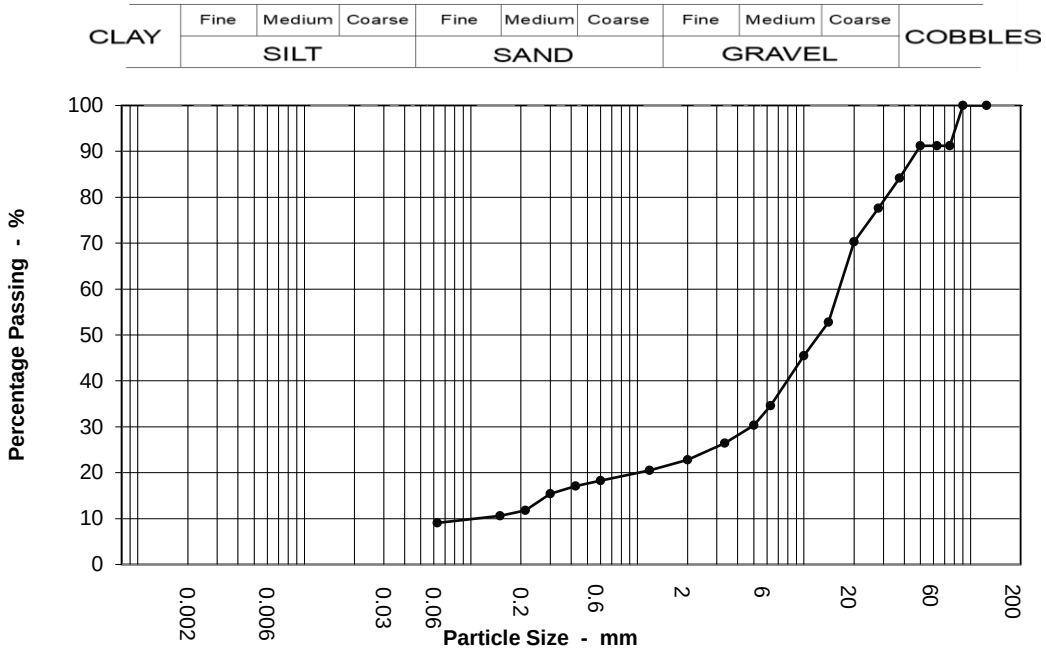
Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	96		
20	85		
14	65		
10	55		
6.3	42		
5	35		
3.35	28		
2	21		
1.18	16		
0.6	12		
0.425	11		
0.3	10		
0.212	9		
0.15	8		
0.063	7		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

Sample Proportions	
Cobbles	0.0
Gravel	79.0
Sand	14.0
Silt & Clay	7.0

Grading Analysis	
D100	37.50
D60	11.80
D10	0.35
Uniformity Coefficient	34.00

pgl priority geotechnical	**PARTICLE SIZE DISTRIBUTION** **BS 1377 : Part 2 : 1990 : Clause 9**	**Job Ref**	**P25205**
		Borehole / Pit No	ST-8100
Location	**West Clare Greenway**	Sample No	1
		Depth	0.50 m
Soil Description	Silty sandy GRAVEL with low cobble content	Sample type	B



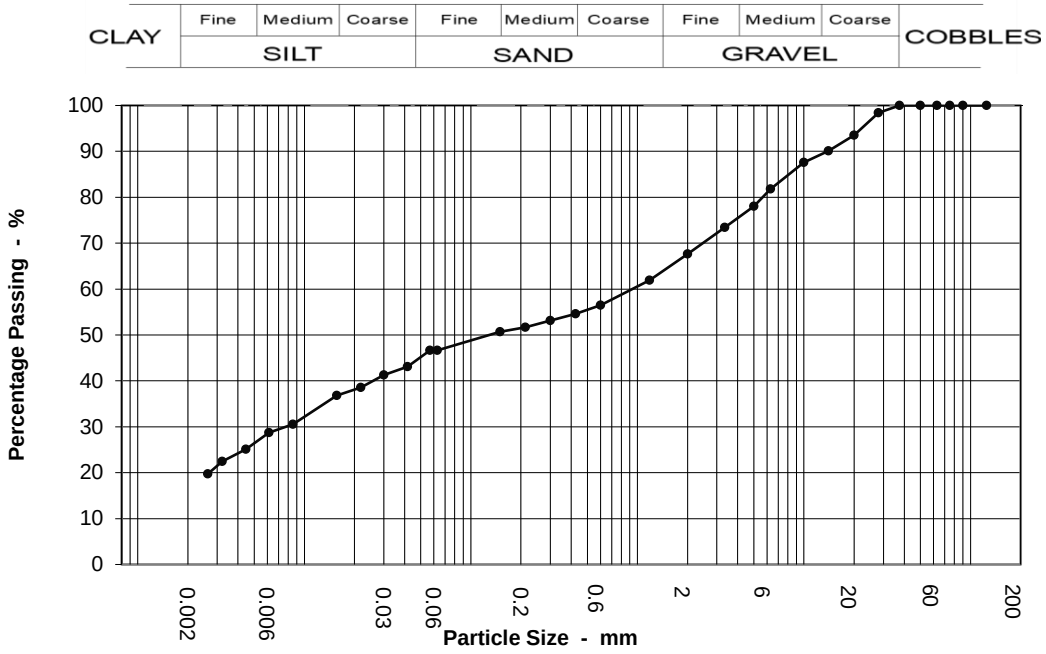
Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	91		
63	91		
50	91		
37.5	84		
28	78		
20	70		
14	53		
10	45		
6.3	35		
5	30		
3.35	26		
2	23		
1.18	20		
0.6	18		
0.425	17		
0.3	15		
0.212	12		
0.15	11		
0.063	9		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

Sample Proportions	
Cobbles	9.0
Gravel	68.0
Sand	14.0
Silt & Clay	9.0

Grading Analysis	
D100	90.00
D60	16.20
D10	0.11
Uniformity Coefficient	150.00

pgl priority geotechnical	**PARTICLE SIZE DISTRIBUTION** **BS 1377 : Part 2 : 1990 : Clause 9**	**Job Ref**	**P25205**
		Borehole / Pit No	TP-6630
Location	**West Clare Greenway**	Sample No	3
		Depth	1.00 m
Soil Description	Slightly sandy slightly gravelly SILT	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.057	47
90	100	0.042	43
75	100	0.030	41
63	100	0.022	39
50	100	0.016	37
37.5	100	0.009	31
28	98	0.006	29
20	94	0.004	25
14	90	0.003	22
10	88	0.003	20
6.3	82	0.001	16
5	78		
3.35	73		
2	68		
1.18	62		
0.6	56		
0.425	55		
0.3	53		
0.212	52		
0.15	51		
0.063	47		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.5
Sedimentation	Clause 9.5

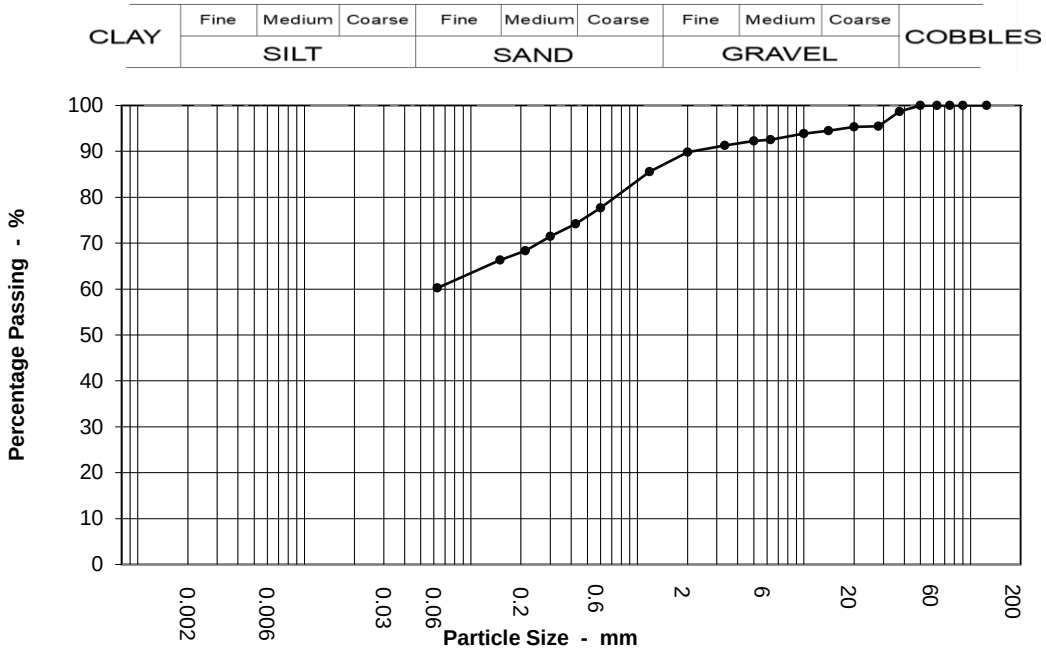
Sample Proportions	
Cobbles	0.0
Gravel	32.0
Sand	21.0
Silt	29.0
Clay	18.0

Grading Analysis	
D100	37.50
D60	0.93
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	TP-8975
Location	**West Clare Greenway**	Sample No	1
		Depth	0.50 m
Soil Description	Slightly sandy slightly gravelly SILT	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	99		
28	96		
20	95		
14	95		
10	94		
6.3	93		
5	92		
3.35	91		
2	90		
1.18	86		
0.6	78		
0.425	74		
0.3	71		
0.212	68		
0.15	66		
0.063	60		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

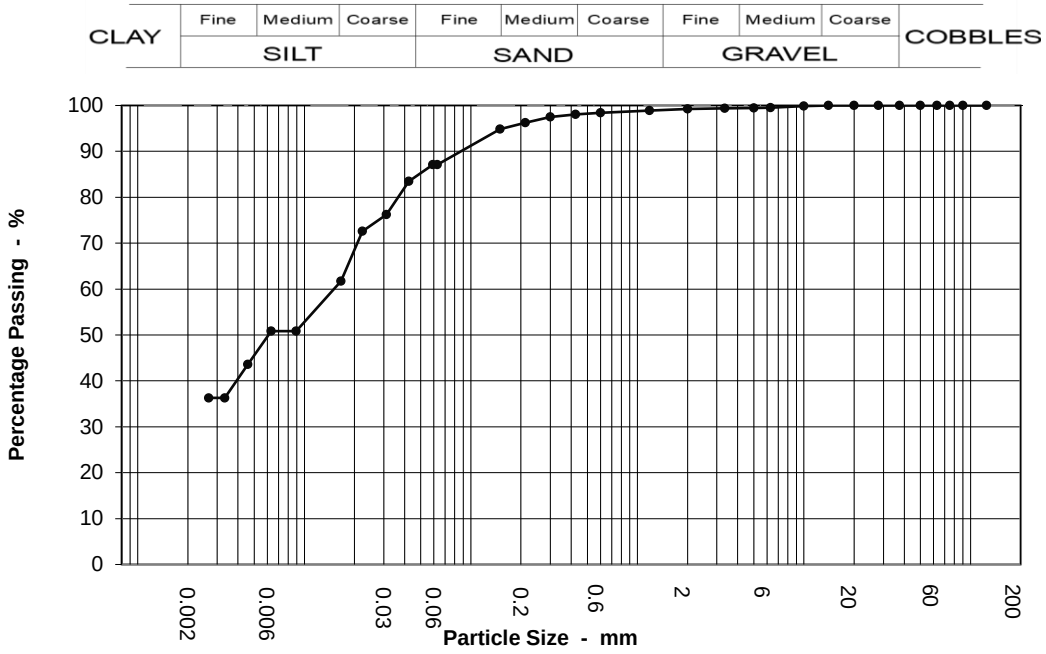
Sample Proportions	
Cobbles	0.0
Gravel	10.0
Sand	30.0
Silt & Clay	60.0

Grading Analysis	
D100	50.00
D60	
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	TP-8975
Location	**West Clare Greenway**	Sample No	4
		Depth	1.00 m
Soil Description	Slightly gravelly slightly sandy SILT	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.059	87
90	100	0.042	83
75	100	0.031	76
63	100	0.022	73
50	100	0.017	62
37.5	100	0.009	51
28	100	0.006	51
20	100	0.005	44
14	100	0.003	36
10	100	0.003	36
6.3	100	0.001	29
5	99		
3.35	99		
2	99		
1.18	99		
0.6	98		
0.425	98		
0.3	98		
0.212	96		
0.15	95		
0.063	87		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.5
Sedimentation	Clause 9.5

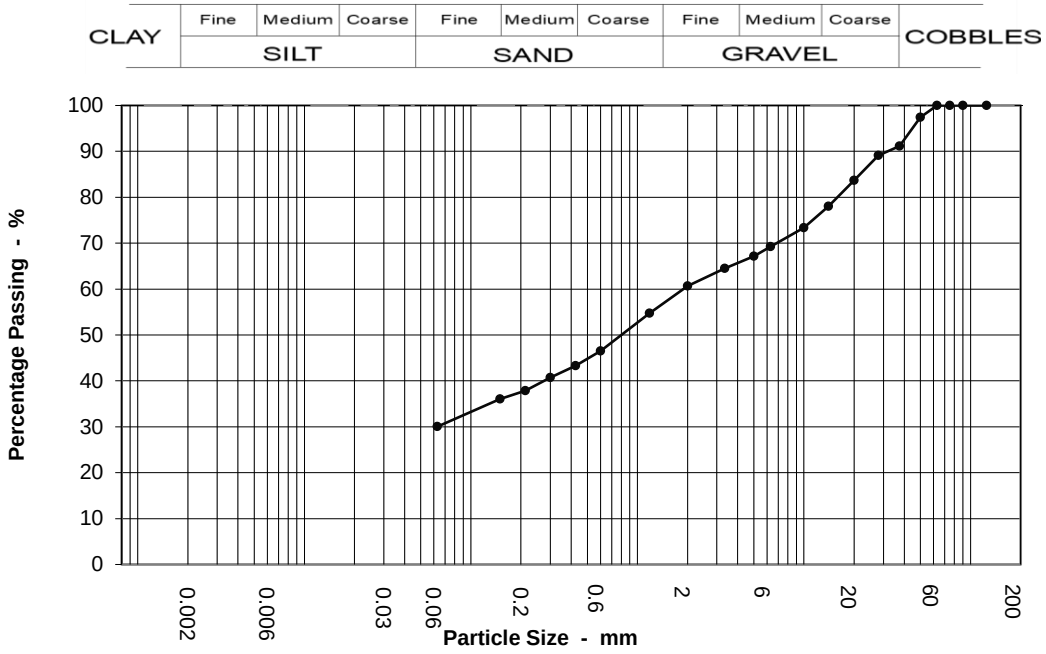
Sample Proportions	
Cobbles	0.0
Gravel	1.0
Sand	12.0
Silt	54.0
Clay	33.0

Grading Analysis	
D100	14.00
D60	0.02
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	TP-KTH-01
Location	**West Clare Greenway**	Sample No	1
		Depth	0.50 m
Soil Description	Very silty very sandy GRAVEL	Sample type	B



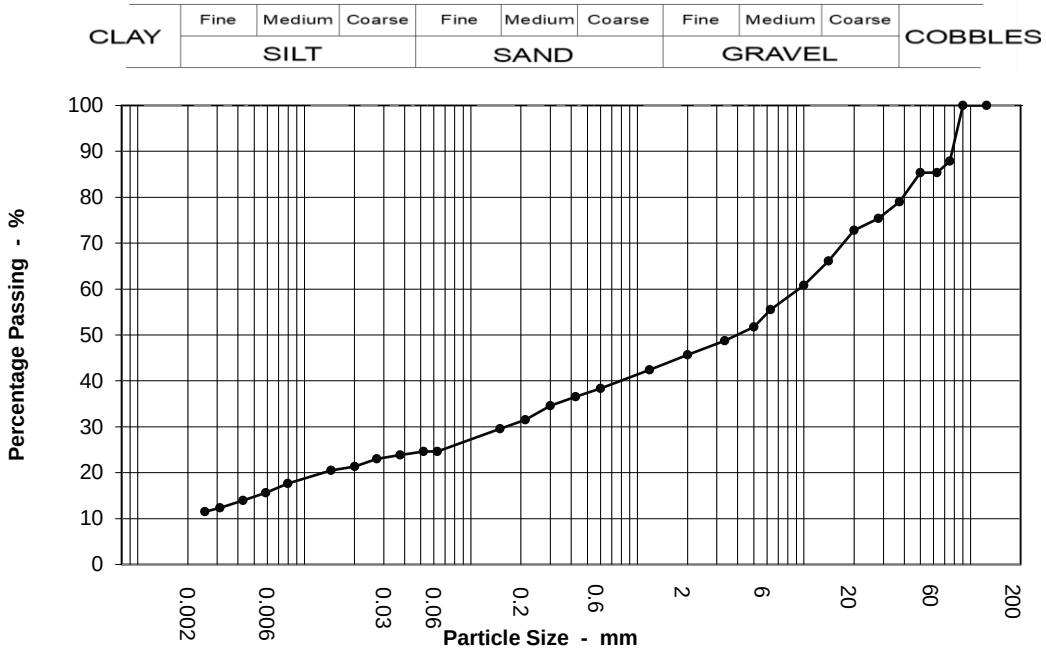
Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	97		
37.5	91		
28	89		
20	84		
14	78		
10	73		
6.3	69		
5	67		
3.35	65		
2	61		
1.18	55		
0.6	46		
0.425	43		
0.3	41		
0.212	38		
0.15	36		
0.063	30		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

Sample Proportions	
Cobbles	0.0
Gravel	39.0
Sand	31.0
Silt & Clay	30.0

Grading Analysis	
D100	63.00
D60	1.88
D10	
Uniformity Coefficient	

pgl priority geotechnical	**PARTICLE SIZE DISTRIBUTION** **BS 1377 : Part 2 : 1990 : Clause 9**	**Job Ref**	**P25205**
		Borehole / Pit No	TP-KTH-01
Location	**West Clare Greenway**	Sample No	3
		Depth	1.00 m
Soil Description	Very silty very sandy GRAVEL with medium cobble content	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.052	25
90	100	0.038	24
75	88	0.027	23
63	85	0.020	21
50	85	0.014	21
37.5	79	0.008	18
28	75	0.006	16
20	73	0.004	14
14	66	0.003	12
10	61	0.003	11
6.3	56	0.001	9
5	52		
3.35	49		
2	46		
1.18	42		
0.6	38		
0.425	37		
0.3	35		
0.212	32		
0.15	30		
0.063	25		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.5
Sedimentation	Clause 9.5

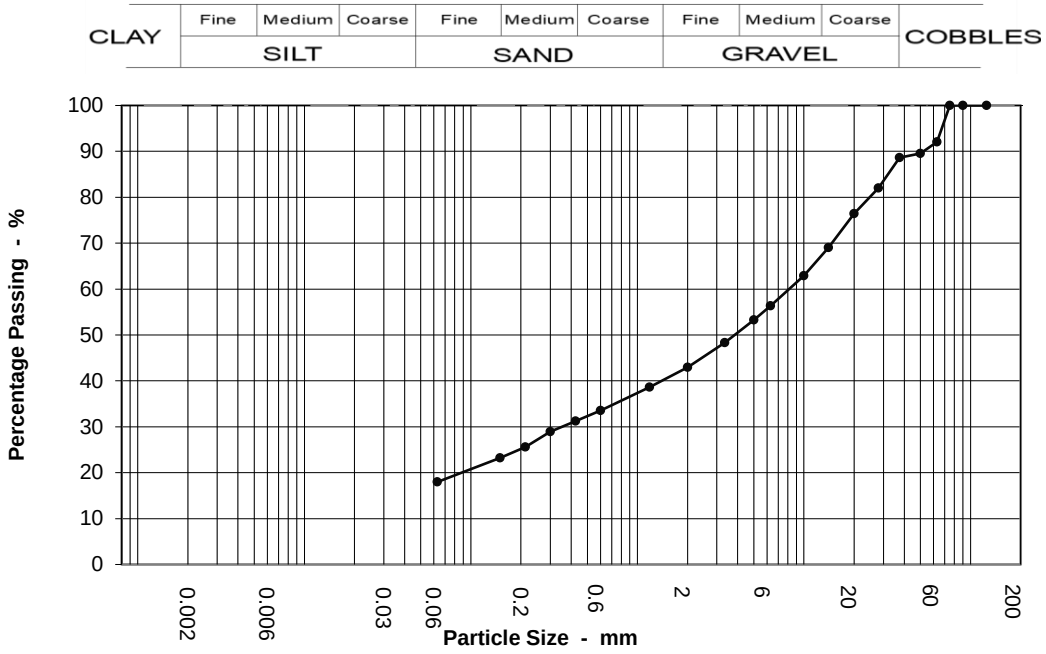
Sample Proportions	
Cobbles	15.0
Gravel	40.0
Sand	21.0
Silt	14.0
Clay	11.0

Grading Analysis	
D100	90.00
D60	9.31
D10	0.00
Uniformity Coefficient	5200.00

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	TP-KTH-01
Location	**West Clare Greenway**	Sample No	5
		Depth	2.00 m
Soil Description	Very silty very sandy GRAVEL with low cobble content	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	92		
50	90		
37.5	89		
28	82		
20	76		
14	69		
10	63		
6.3	56		
5	53		
3.35	48		
2	43		
1.18	39		
0.6	34		
0.425	31		
0.3	29		
0.212	26		
0.15	23		
0.063	18		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

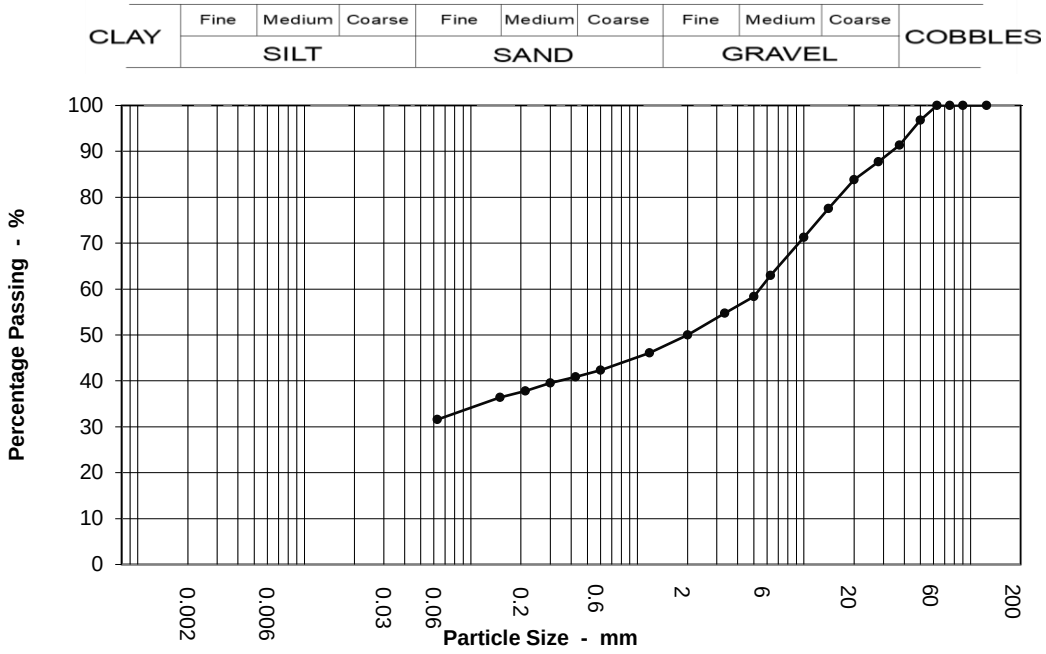
Sample Proportions	
Cobbles	8.0
Gravel	49.0
Sand	25.0
Silt & Clay	18.0

Grading Analysis	
D100	75.00
D60	8.15
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	TP-MTH-01
Location	**West Clare Greenway**	Sample No	1
		Depth	0.50 m
Soil Description	Sandy very silty GRAVEL	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	97		
37.5	91		
28	88		
20	84		
14	78		
10	71		
6.3	63		
5	58		
3.35	55		
2	50		
1.18	46		
0.6	42		
0.425	41		
0.3	40		
0.212	38		
0.15	36		
0.063	32		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

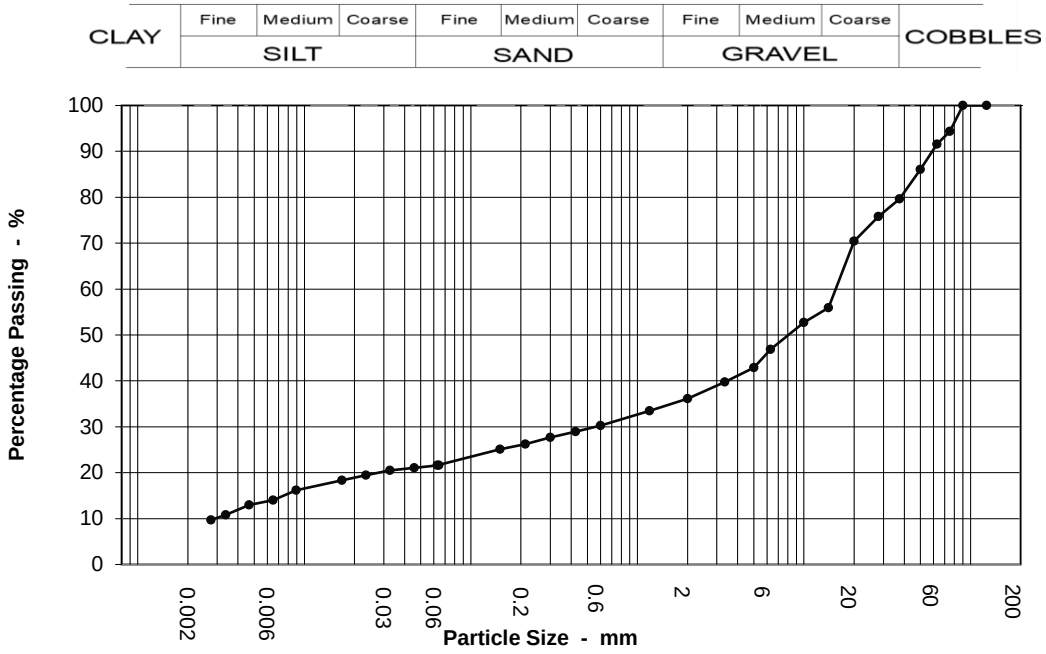
Sample Proportions	
Cobbles	0.0
Gravel	50.0
Sand	18.0
Silt & Clay	32.0

Grading Analysis	
D100	63.00
D60	5.43
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	TP-MTH-01
Location	**West Clare Greenway**	Sample No	3
		Depth	1.00 m
Soil Description	Sandy very silty GRAVEL with low cobble content	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.064	22
90	100	0.046	21
75	94	0.033	21
63	92	0.023	19
50	86	0.017	18
37.5	80	0.009	16
28	76	0.006	14
20	70	0.005	13
14	56	0.003	11
10	53	0.003	10
6.3	47	0.002	8
5	43		
3.35	40		
2	36		
1.18	33		
0.6	30		
0.425	29		
0.3	28		
0.212	26		
0.15	25		
0.063	22		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.5
Sedimentation	Clause 9.5

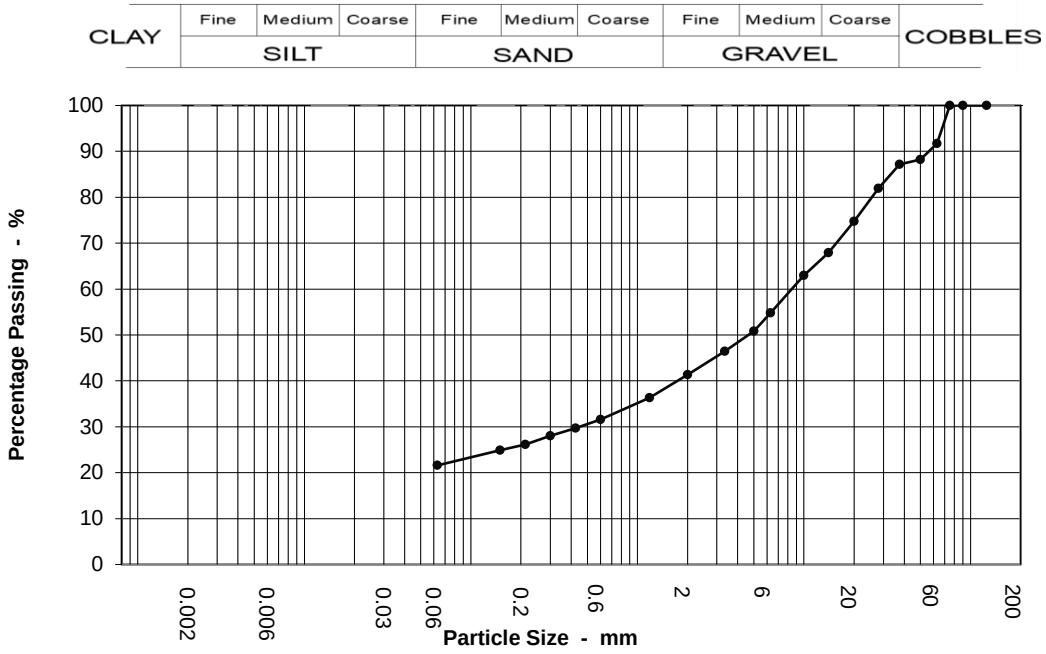
Sample Proportions	
Cobbles	8.0
Gravel	55.0
Sand	15.0
Silt	13.0
Clay	9.0

Grading Analysis	
D100	90.00
D60	15.50
D10	0.00
Uniformity Coefficient	5300.00

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	TP-MTH-02
Location	**West Clare Greenway**	Sample No	1
		Depth	0.50 m
Soil Description	Very sandy very silty GRAVEL with low cobble content	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	92		
50	88		
37.5	87		
28	82		
20	75		
14	68		
10	63		
6.3	55		
5	51		
3.35	46		
2	41		
1.18	36		
0.6	32		
0.425	30		
0.3	28		
0.212	26		
0.15	25		
0.063	22		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.3
Sedimentation	N/A

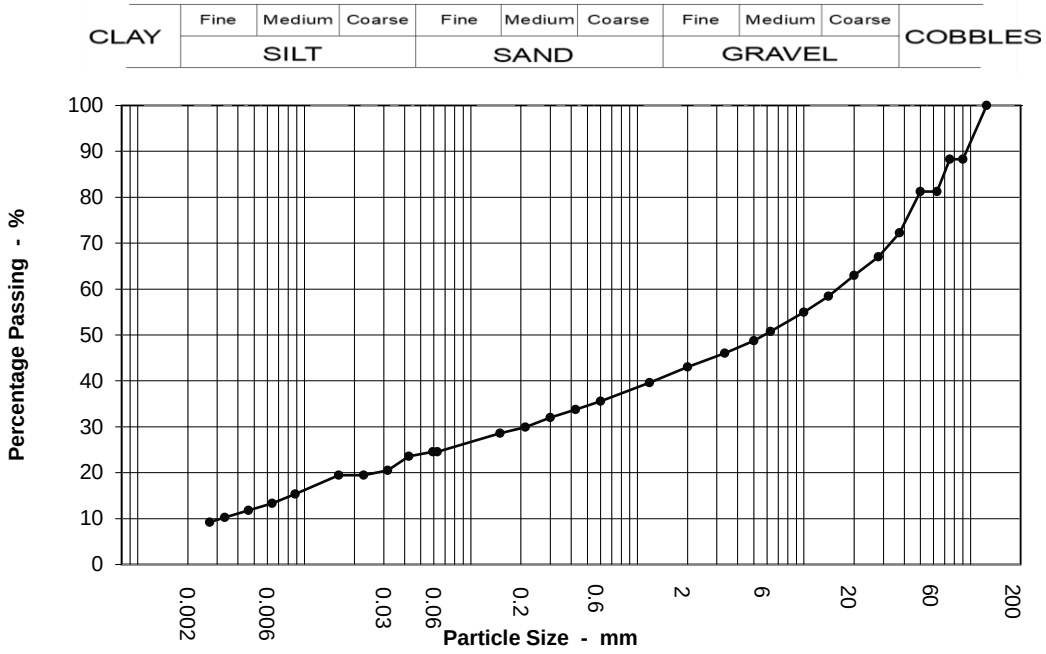
Sample Proportions	
Cobbles	8.0
Gravel	50.0
Sand	20.0
Silt & Clay	22.0

Grading Analysis	
D100	75.00
D60	8.45
D10	
Uniformity Coefficient	

PARTICLE SIZE DISTRIBUTION

BS 1377 : Part 2 : 1990 : Clause 9

		Job Ref	**P25205**
		Borehole / Pit No	TP-MTH-02
Location	**West Clare Greenway**	Sample No	4
		Depth	1.00 m
Soil Description	Slightly sandy gravelly SILT with medium cobble content	Sample type	B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.059	25
90	88	0.042	24
75	88	0.032	20
63	81	0.023	19
50	81	0.016	19
37.5	72	0.009	15
28	67	0.006	13
20	63	0.005	12
14	58	0.003	10
10	55	0.003	9
6.3	51	0.001	6
5	49		
3.35	46		
2	43		
1.18	40		
0.6	36		
0.425	34		
0.3	32		
0.212	30		
0.15	29		
0.063	25		

Test Method	
BS 1377 : Part 2 : 1990	
Sieving	Clause 9.5
Sedimentation	Clause 9.5

Sample Proportions	
Cobbles	19.0
Gravel	38.0
Sand	18.0
Silt	17.0
Clay	8.0

Grading Analysis	
D100	125.00
D60	15.80
D10	0.00
Uniformity Coefficient	5000.00

eurofins | Chemtest
Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: cs@etuki.eurofins.com

Final Report

Report No.:	26-10796-1
Initial Date of Issue:	15-Apr-2026
Re-Issue Details:	
Client	*Priority Geotechnical Ltd*
Client Address:	*Unit 12* *Owenacurra Business Park* *Midleton* *County Cork* *Ireland*
Contact(s):	*Colette Kelly*
Project	*P25205 West Clare*

Quotation No.:		**Date Received:**	07-Apr-2026
Order No.:	17586	**Date Instructed:**	07-Apr-2026
No. of Samples:	*4*		
Turnaround (Wkdays):	10	**Results Due:**	20-Apr-2026
Date Approved:	15-Apr-2026		

Approved By:

Details: David Smith, Technical Director

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

Results - Soil

Project: P25205 West Clare

Client: Priority Geotechnical Ltd		**Chemtest Job No.:**				26-10796	26-10796	26-10796	26-10796
Quotation No.:		**Chemtest Sample ID.:**				2105661	2105662	2105663	2105664
		Client Reference:				*ST-000*	*ST-000*	*ST-625*	*ST8100*
		Sample Type:				*SOIL*	*SOIL*	*SOIL*	*SOIL*
		Top Depth (m):				*1.5*	*2.0*	*0.5*	*0.5*
		Date Sampled:				*01-Apr-2026*	*01-Apr-2026*	*01-Apr-2026*	*01-Apr-2026*
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**				
Moisture		N	2030	%	0.020	55	18	25	6.2
Soil Colour		N	2030		N/A	Black	Brown	Brown	Brown
Other Material		N	2030		N/A	None	None	Stones	Stones and Wood
Soil Texture		N	2030		N/A	Loam	Clay	Clay	Sand
pH at 20C		M	2010		4.0				8.4
Chloride (Water Soluble)		M	2220	g/l	0.010				< 0.010
LOI		M	2610	%	0.10		4.8	16	
Organic Matter		M	2625	%	0.40	33		16	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measuremernt by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.	
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	

Report Information

Key	
U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection
Text example	All items indicated in italic font represent customer-supplied information that may not be independently verified by the laboratory

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

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

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

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

All results are expressed on a dry weight basis.

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

For all other tests the samples were dried at ≤ 30°C prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

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

Where analysis is performed on a dried and crushed sample, it has been prepared by crushing all of the sample. If material has been removed prior to crushing, or by request of the client, this will be stated on the report.

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

Sample Deviation Codes

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

A - Date of sampling not supplied

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

C - Sample not received in appropriate containers

D - Broken Container

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

H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

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

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

Report Information

Charges may apply to extended sample storage.

Water Sample Category Key for Accreditation

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

Clean Up Codes

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

HWOL Acronym System

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

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
cs@etuki.eurofins.com

eurofins | Chemtest
Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
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Final Report

Report No.:	26-11357-1
Initial Date of Issue:	28-Apr-2026
Re-Issue Details:	
Client	*Priority Geotechnical Ltd*
Client Address:	*Unit 12* *Owenacurra Business Park* *Midleton* *County Cork* *Ireland*
Contact(s):	*Colette Kelly*
Project	*P25205 West Clare*
Quotation No.:	**Date Received:** 13-Apr-2026
Order No.:	17586 **Date Instructed:** 13-Apr-2026
No. of Samples:	*15*
Turnaround (Wkdays):	10 **Results Due:** 24-Apr-2026
Date Approved:	28-Apr-2026
Approved By:	

Details: David Smith, Technical Director

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

Results - Soil

Project: P25205 West Clare

Client: Priority Geotechnical Ltd		**Chemtest Job No.:**				26-11357	26-11357	26-11357	26-11357	26-11357	26-11357	26-11357	26-11357
Quotation No.:		**Chemtest Sample ID.:**				2107442	2107443	2107444	2107445	2107446	2107447	2107448	2107449
		Client Reference:				*ST-000*	*ST-13725*	*ST-13765*	*ST-13710*	*K-TH01*	*ST-13725*	*ST-14300*	*TP-MTH-01*
		Sample Type:				*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*
		Top Depth (m):				*0.50*	*0.50*	*1.00*	*1.00*	*0.00*	*1.00*	*1.00*	*1.00*
		Date Sampled:				*03-Apr-2026*	*03-Apr-2026*	*03-Apr-2026*	*03-Apr-2026*	*03-Apr-2026*	*03-Apr-2026*	*03-Apr-2026*	*03-Apr-2026*
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
Moisture		N	2030	%	0.020	8.7	23	24	13	11	9.4	8.8	20
Soil Colour		N	2030		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2030		N/A	Stones	Stones and Roots	Stones	Stones and Roots	Stones and Roots	Stones	Stones	Stones
Soil Texture		N	2030		N/A	Sand	Clay	Clay	Clay	Clay	Clay	Loam	Clay
pH at 20C		M	2010		4.0	8.1	7.0	7.2	7.4	7.7	7.4	7.8	7.4
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010			0.041	< 0.010	0.010	0.010	< 0.010	
Total Sulphur		U	2175	%	0.010			0.032	0.017	0.033	0.024	0.015	
Chloride (Water Soluble)		M	2220	g/l	0.010	< 0.010	< 0.010	0.021	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Sulphate (Acid Soluble)		U	2430	%	0.010			0.021	0.010	0.022	0.022	< 0.010	

Results - Soil

Project: P25205 West Clare

Client: Priority Geotechnical Ltd		**Chemtest Job No.:**				26-11357	26-11357	26-11357	26-11357	26-11357	26-11357	26-11357
Quotation No.:		**Chemtest Sample ID.:**				2107450	2107451	2107452	2107453	2107454	2107455	2107456
		Client Reference:				*ST-625*	*ST-13765*	*ST-14300*	*TP-8975*	*ST-000*	*ST-670*	*ST-670*
		Sample Type:				*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*
		Top Depth (m):				*1.20*	*0.50*	*2.00*	*2.00*	*1.00*	*0.50*	*1.00*
		Date Sampled:				*03-Apr-2026*	*03-Apr-2026*	*03-Apr-2026*	*03-Apr-2026*	*07-Apr-2026*	*07-Apr-2026*	*07-Apr-2026*
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**							
Moisture		N	2030	%	0.020	29	20	9.1	12	20	25	17
Soil Colour		N	2030		N/A	Brown	Brown	Brown	Grey	Brown	Brown	Brown
Other Material		N	2030		N/A	None	Stones and Roots	Stones	Stones	Stones	Stones and Roots	Stones and Roots
Soil Texture		N	2030		N/A	Clay	Clay	Clay	Clay	Clay	Clay	Clay
pH at 20C		M	2010		4.0	7.3	7.4	7.8	7.4	7.2	7.4	7.9
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.062				0.10		0.049
Total Sulphur		U	2175	%	0.010	0.051				0.056		0.032
Chloride (Water Soluble)		M	2220	g/l	0.010	0.012	< 0.010	< 0.010	0.10	0.014	0.014	< 0.010
Sulphate (Acid Soluble)		U	2430	%	0.010	0.033				0.028		0.024

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurememrnt by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.	

Report Information

Key	
U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection
Text example	All items indicated in italic font represent customer-supplied information that may not be independently verified by the laboratory

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

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

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

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

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

All results are expressed on a dry weight basis.

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

For all other tests the samples were dried at ≤ 30°C prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

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

Where analysis is performed on a dried and crushed sample, it has been prepared by crushing all of the sample. If material has been removed prior to crushing, or by request of the client, this will be stated on the report.

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

Sample Deviation Codes

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

A - Date of sampling not supplied

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

C - Sample not received in appropriate containers

D - Broken Container

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

H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

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

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

Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

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

Clean Up Codes

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

HWOL Acronym System

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

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
cs@etuki.eurofins.com

eurofins | Chemtest
Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: cs@etuki.eurofins.com

Final Report

Report No.:	26-10819-1
Initial Date of Issue:	05-May-2026
Re-Issue Details:	
Client	*Priority Geotechnical Ltd*
Client Address:	*Unit 12* *Owenacurra Business Park* *Midleton* *County Cork* *Ireland*
Contact(s):	*Colette Kelly*
Project	*P25205 West Clare*
Quotation No.:	*Q23-32607*
Order No.:	17586
No. of Samples:	*13*
Turnaround (Wkdays):	10
Date Approved:	05-May-2026
Approved By:	

Date Received:	08-Apr-2026		
Date Instructed:	08-Apr-2026		
Results Due:	21-Apr-2026		

Details: David Smith, Technical Director

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

Results - Leachate

Project: P2505 West Close

Client: Priority Geotechnical Ltd						**Chemtest Job No.:**	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819
Quotation No.: Q23-32607						**Chemtest Sample ID.:**	2105729	2105730	2105734	2105735	2105737	2105738	2105739
						Client Reference:	*TP-8975*	*TP-MTH-01*	*ST-14985*	*ST-7960*	*TP-KTH01*	*ST-8010*	*TP-MTH-02*
						Sample Type:	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*
						Top Depth (m):	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*
						Date Sampled:	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**								
Ammonium	U	1220	10:1	mg/l	0.050		0.62	0.61	0.43	0.44	0.52	0.41	0.45
Ammonium	N	1220	10:1	mg/kg	0.10		7.7	6.7	4.8	4.7	5.5	5.5	5.0

Results - Soil

Project: P2505 West Close

Client: Priority Geotechnical Ltd														
		Chemtest Job No.:				26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819
Quotation No.: Q23-32607		**Chemtest Sample ID.:**				2105729	2105730	2105731	2105732	2105733	2105734	2105735	2105736	2105737
		Client Reference:				*TP-8975*	*TP-MTH-01*	*TP-KTH-01*	*TP-MTH-02*	*ST-14985*	*ST-14985*	*ST-7960*	*TP-KTH01*	*TP-KTH01*
		Sample Type:				*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*
		Top Depth (m):				*0.5*	*0.5*	*1.0*	*1.0*	*1.0*	*0.5*	*0.5*	*2.0*	*0.5*
		Date Sampled:				*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*
		Asbestos Lab:				DURHAM	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type		N	2192		N/A	-	-		-	-	-	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected		No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	40	16	30	17	13	21	12	23	16
pH at 20C		M	2010		4.0	7.0	7.7		7.5	7.7	7.7	7.6	7.3	6.9
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	0.75	< 0.40				0.77	< 0.40		0.55
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010				0.18	0.061			0.022	
Sulphur (Elemental)		M	2180	mg/kg	1.0	27	5.8				26	12		4.7
Cyanide (Total)		M	2300	mg/kg	0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	0.90	< 0.50
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	5.2	3.2				4.5	4.4		3.1
Sulphate (Total)		U	2430	%	0.010	0.24	0.12				0.14	0.067		0.050
Arsenic		M	2455	mg/kg	0.5	4.7	8.2		9.0	10	15	5.2	11	5.5
Boron		N	2455	mg/kg	50.00				< 50	< 50			< 50	
Barium		M	2455	mg/kg	0.5	28	54				310	29		26
Cadmium		M	2455	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	0.21	< 0.10	0.31	< 0.10
Chromium		M	2455	mg/kg	0.5	14	26		33	33	23	22	40	24
Molybdenum		M	2455	mg/kg	0.5	< 0.5	0.7				2.4	< 0.5		< 0.5
Antimony		N	2455	mg/kg	2.0	< 2.0	< 2.0				< 2.0	< 2.0		< 2.0
Copper		M	2455	mg/kg	0.50	16	33		28	53	330	24	56	22

Results - Soil

Project: P2505 West Close

Client: Priority Geotechnical Ltd						**Chemtest Job No.:**	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819
Quotation No.: Q23-32607						**Chemtest Sample ID.:**	2105729	2105730	2105731	2105732	2105733	2105734	2105735	2105736	2105737
						Client Reference:	*TP-8975*	*TP-MTH-01*	*TP-KTH-01*	*TP-MTH-02*	*ST-14985*	*ST-14985*	*ST-7960*	*TP-KTH01*	*TP-KTH01*
						Sample Type:	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*
						Top Depth (m):	*0.5*	*0.5*	*1.0*	*1.0*	*1.0*	*0.5*	*0.5*	*2.0*	*0.5*
						Date Sampled:	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*
						Asbestos Lab:	DURHAM	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**										
Mercury		M	2455	mg/kg	0.05		0.06	0.05		< 0.05	0.07	0.25	< 0.05	0.41	0.06
Nickel		M	2455	mg/kg	0.50		16	33		39	44	48	31	33	29
Lead		M	2455	mg/kg	0.50		14	36		26	41	200	17	260	26
Selenium		M	2455	mg/kg	0.25		0.54	0.55				1.1	0.38		0.51
Zinc		M	2455	mg/kg	0.50		42	93		76	97	180	73	240	77
Chromium (Trivalent)		N	2490	mg/kg	1.0		14	26				23	22		24
Chromium (Hexavalent)		N	2490	mg/kg	0.50		< 0.50	< 0.50				< 0.50	< 0.50		< 0.50
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05		< 0.05	< 0.05				< 0.05	< 0.05		< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05		< 0.05	< 0.05				< 0.05	< 0.05		< 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05		< 0.05	< 0.05				< 0.05	< 0.05		< 0.05
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05		< 0.05	< 0.05				< 0.05	< 0.05		< 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25		< 0.25	< 0.25				< 0.25	< 0.25		< 0.25
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05		< 0.05	< 0.05				< 0.05	< 0.05		< 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05		< 0.05	< 0.05				< 0.05	< 0.05		< 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05		< 0.05	< 0.05				< 0.05	< 0.05		< 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25		< 0.25	< 0.25				< 0.25	< 0.25		< 0.25
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50		< 0.50	< 0.50				< 0.50	< 0.50		< 0.50
Aliphatic EPH >C10-C12	EH_2D_AL_#1	M	5002	mg/kg	2.00		< 2.0	< 2.0				< 2.0	< 2.0		< 2.0

Results - Soil

Project: P2505 West Close

Client: Priority Geotechnical Ltd				**Chemtest Job No.:**		26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819
Quotation No.: Q23-32607				**Chemtest Sample ID.:**		2105729	2105730	2105731	2105732	2105733	2105734	2105735	2105736	2105737
				Client Reference:		*TP-8975*	*TP-MTH-01*	*TP-KTH-01*	*TP-MTH-02*	*ST-14985*	*ST-14985*	*ST-7960*	*TP-KTH01*	*TP-KTH01*
				Sample Type:		*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*
				Top Depth (m):		*0.5*	*0.5*	*1.0*	*1.0*	*1.0*	*0.5*	*0.5*	*2.0*	*0.5*
				Date Sampled:		*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*
				Asbestos Lab:		DURHAM	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**									
Aliphatic EPH >C12-C16	EH_2D_AL_#1	M	5002	mg/kg	2.00	< 2.0	< 2.0				< 2.0	< 2.0		< 2.0
Aliphatic EPH >C16-C21	EH_2D_AL_#1	M	5002	mg/kg	2.00	< 2.0	< 2.0				2.7	< 2.0		< 2.0
Aliphatic EPH >C21-C35	EH_2D_AL_#1	M	5002	mg/kg	3.00	< 3.0	< 3.0				< 3.0	< 3.0		< 3.0
Aliphatic EPH >C35-C40	EH_2D_AL_#1	N	5002	mg/kg	10.00	< 10	< 10				< 10	< 10		< 10
Total Aliphatic EPH >C10-C35	EH_2D_AL_#1	M	5002	mg/kg	7.00	< 7.0	< 7.0				< 7.0	< 7.0		< 7.0
Aromatic EPH >C10-C12	EH_2D_AR_#1	U	5002	mg/kg	2.00	< 2.0	< 2.0				< 2.0	< 2.0		< 2.0
Aromatic EPH >C12-C16	EH_2D_AR_#1	U	5002	mg/kg	2.00	< 2.0	< 2.0				< 2.0	< 2.0		< 2.0
Aromatic EPH >C16-C21	EH_2D_AR_#1	U	5002	mg/kg	2.00	2.3	2.4				18	< 2.0		< 2.0
Aromatic EPH >C21-C35	EH_2D_AR_#1	U	5002	mg/kg	2.00	16	9.2				45	10		4.3
Aromatic EPH >C35-C40	EH_2D_AR_#1	N	5002	mg/kg	1.00	110	7.9				20	2.3		1.6
Total Aromatic EPH >C10-C35	EH_2D_AR_#1	U	5002	mg/kg	4.00	18	12				66	12		5.0
Total EPH >C10-C35	EH_2D_Total_#1	U	5002	mg/kg	10.00	19	14				72	12		< 10
Organic Matter		M	2625	%	0.40				0.73	2.1			7.1	
Total Organic Carbon		M	2625	%	0.20	6.6	3.2				17	0.81		1.5
Mineral Oil EPH	EH_2D_AL_#1	N	5002	mg/kg	10	< 10	< 10				< 10	< 10		< 10
Total TPH >C10-C40 NC	EH_1D_Total	M	5001	mg/kg	10.0				39	< 10			67	
Benzene		M	2760	µg/kg	1.0	< 1.0	< 1.0				< 1.0	< 1.0		< 1.0
Toluene		M	2760	µg/kg	1.0	< 1.0	< 1.0				< 1.0	< 1.0		< 1.0

Results - Soil

Project: P2505 West Close

Client: Priority Geotechnical Ltd						**Chemtest Job No.:**	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819
Quotation No.: Q23-32607						**Chemtest Sample ID.:**	2105729	2105730	2105731	2105732	2105733	2105734	2105735	2105736	2105737
						Client Reference:	*TP-8975*	*TP-MTH-01*	*TP-KTH-01*	*TP-MTH-02*	*ST-14985*	*ST-14985*	*ST-7960*	*TP-KTH01*	*TP-KTH01*
						Sample Type:	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*
						Top Depth (m):	*0.5*	*0.5*	*1.0*	*1.0*	*1.0*	*0.5*	*0.5*	*2.0*	*0.5*
						Date Sampled:	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*
						Asbestos Lab:	DURHAM	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**										
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0	< 1.0				< 1.0	< 1.0		< 1.0
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0				< 1.0	< 1.0		< 1.0
o-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0				< 1.0	< 1.0		< 1.0
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	< 1.0	< 1.0				< 1.0	< 1.0		< 1.0
Naphthalene		M	5003	mg/kg	0.05	< 0.05	< 0.05		< 0.05	< 0.05	0.13	< 0.05	< 0.05	< 0.05
Acenaphthylene		M	5003	mg/kg	0.05	< 0.05	< 0.05		0.07	< 0.05	0.25	< 0.05	< 0.05	< 0.05
Acenaphthene		M	5003	mg/kg	0.05	< 0.05	< 0.05		< 0.05	< 0.05	0.15	< 0.05	< 0.05	< 0.05
Fluorene		M	5003	mg/kg	0.05	< 0.05	< 0.05		< 0.05	< 0.05	0.30	< 0.05	< 0.05	< 0.05
Phenanthrene		M	5003	mg/kg	0.05	< 0.05	0.12		0.21	0.07	2.6	0.09	0.18	< 0.05
Anthracene		M	5003	mg/kg	0.05	< 0.05	< 0.05		0.08	< 0.05	0.67	0.06	< 0.05	< 0.05
Fluoranthene		M	5003	mg/kg	0.05	< 0.05	0.27		1.1	0.14	3.5	0.34	0.67	0.12
Pyrene		M	5003	mg/kg	0.05	< 0.05	0.25		0.99	0.13	2.9	0.49	0.67	0.15
Benzo[a]anthracene		M	5003	mg/kg	0.05	< 0.05	0.13		0.47	0.07	1.7	0.19	0.39	0.13
Chrysene		M	5003	mg/kg	0.05	< 0.05	0.17		0.51	0.09	1.8	0.24	0.41	0.14
Benzo[b]fluoranthene		M	5003	mg/kg	0.05	< 0.05	0.21		0.79	0.15	2.2	0.77	0.65	0.27
Benzo(k)Fluoranthene		M	5003	mg/kg	0.05	< 0.05	0.07		0.25	< 0.05	0.78	0.21	0.22	0.10
Benzo[a]pyrene		M	5003	mg/kg	0.05	< 0.05	0.14		0.64	0.10	1.5	0.65	0.47	0.20
Indeno(1,2,3-c,d)Pyrene		M	5003	mg/kg	0.05	< 0.05	0.08		0.46	0.07	0.90	0.48	0.35	0.15

Results - Soil

Project: P2505 West Close

Client: Priority Geotechnical Ltd			**Chemtest Job No.:**			26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819	26-10819
Quotation No.: Q23-32607			**Chemtest Sample ID.:**			2105729	2105730	2105731	2105732	2105733	2105734	2105735	2105736	2105737
			Client Reference:			*TP-8975*	*TP-MTH-01*	*TP-KTH-01*	*TP-MTH-02*	*ST-14985*	*ST-14985*	*ST-7960*	*TP-KTH01*	*TP-KTH01*
			Sample Type:			*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*
			Top Depth (m):			*0.5*	*0.5*	*1.0*	*1.0*	*1.0*	*0.5*	*0.5*	*2.0*	*0.5*
			Date Sampled:			*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*
			Asbestos Lab:			DURHAM	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**									
Dibenz(a,h)Anthracene		M	5003	mg/kg	0.05	< 0.05	< 0.05		0.07	< 0.05	0.20	0.07	< 0.05	< 0.05
Benzo[g,h,i]perylene		M	5003	mg/kg	0.05	< 0.05	0.08		0.52	0.07	0.77	0.45	0.34	0.13
Coronene		N	5003	mg/kg	0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Of 16 PAH's		M	5003	mg/kg	0.05				6.1	0.89			4.4	
Total Of 17 PAH's		N	5003	mg/kg	0.05				6.1	0.89			4.4	
PCB 28		U	2815	mg/kg	0.010	< 0.010	< 0.010				< 0.010	< 0.010		< 0.010
PCB 52		U	2815	mg/kg	0.010	< 0.010	< 0.010				< 0.010	< 0.010		< 0.010
PCB 101		U	2815	mg/kg	0.010	< 0.010	< 0.010				< 0.010	< 0.010		< 0.010
PCB 118		U	2815	mg/kg	0.010	< 0.010	< 0.010				< 0.010	< 0.010		< 0.010
PCB 153		U	2815	mg/kg	0.010	< 0.010	< 0.010				< 0.010	< 0.010		< 0.010
PCB 138		U	2815	mg/kg	0.010	< 0.010	< 0.010				< 0.010	< 0.010		< 0.010
PCB 180		U	2815	mg/kg	0.010	< 0.010	< 0.010				< 0.010	< 0.010		< 0.010
Tot PCBs Low (7 Congeners)		N	2815	mg/kg	0.05	< 0.05	< 0.05				< 0.05	< 0.05		< 0.05
Total Phenols		M	2920	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Soil

Project: P2505 West Close

Client: Priority Geotechnical Ltd			**Chemtest Job No.:**			26-10819	26-10819	26-10819	26-10819
Quotation No.: Q23-32607			**Chemtest Sample ID.:**			2105738	2105739	2105740	2105741
			Client Reference:			*ST-8010*	*TP-MTH-02*	*TP-8975*	*ST-7960*
			Sample Type:			*SOIL*	*SOIL*	*SOIL*	*SOIL*
			Top Depth (m):			*0.5*	*0.5*	*1.0*	*1.0*
			Date Sampled:			*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*
			Asbestos Lab:			DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**				
ACM Type		N	2192		N/A	-	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	3.5	14	18	18
pH at 20C		M	2010		4.0	7.5	7.5	7.3	8.0
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	0.97	< 0.40		
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010			0.056	0.063
Sulphur (Elemental)		M	2180	mg/kg	1.0	21	12		
Cyanide (Total)		M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	6.0	5.6		
Sulphate (Total)		U	2430	%	0.010	0.15	0.16		
Arsenic		M	2455	mg/kg	0.5	2.8	7.4	2.9	8.0
Boron		N	2455	mg/kg	50.00			< 50	< 50
Barium		M	2455	mg/kg	0.5	43	36		
Cadmium		M	2455	mg/kg	0.10	0.16	0.17	< 0.10	< 0.10
Chromium		M	2455	mg/kg	0.5	5.5	25	23	51
Molybdenum		M	2455	mg/kg	0.5	0.7	0.8		
Antimony		N	2455	mg/kg	2.0	< 2.0	< 2.0		
Copper		M	2455	mg/kg	0.50	14	27	20	21

Results - Soil

Project: P2505 West Close

Client: Priority Geotechnical Ltd				**Chemtest Job No.:**		26-10819	26-10819	26-10819	26-10819
Quotation No.: Q23-32607				**Chemtest Sample ID.:**		2105738	2105739	2105740	2105741
				Client Reference:		*ST-8010*	*TP-MTH-02*	*TP-8975*	*ST-7960*
				Sample Type:		*SOIL*	*SOIL*	*SOIL*	*SOIL*
				Top Depth (m):		*0.5*	*0.5*	*1.0*	*1.0*
				Date Sampled:		*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*
				Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**				
Mercury		M	2455	mg/kg	0.05	< 0.05	0.05	< 0.05	< 0.05
Nickel		M	2455	mg/kg	0.50	16	36	30	32
Lead		M	2455	mg/kg	0.50	13	24	13	24
Selenium		M	2455	mg/kg	0.25	0.29	0.43		
Zinc		M	2455	mg/kg	0.50	33	110	58	67
Chromium (Trivalent)		N	2490	mg/kg	1.0	5.5	25		
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50	< 0.50		
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05		
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05		
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05		
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05		
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25	< 0.25		
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05		
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05		
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05		
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25	< 0.25		
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50	< 0.50		
Aliphatic EPH >C10-C12	EH_2D_AL_#1	M	5002	mg/kg	2.00	< 2.0	< 2.0		

Results - Soil

Project: P2505 West Close

Client: Priority Geotechnical Ltd			**Chemtest Job No.:**			26-10819	26-10819	26-10819	26-10819
Quotation No.: Q23-32607			**Chemtest Sample ID.:**			2105738	2105739	2105740	2105741
			Client Reference:			*ST-8010*	*TP-MTH-02*	*TP-8975*	*ST-7960*
			Sample Type:			*SOIL*	*SOIL*	*SOIL*	*SOIL*
			Top Depth (m):			*0.5*	*0.5*	*1.0*	*1.0*
			Date Sampled:			*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*
			Asbestos Lab:			DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**				
Aliphatic EPH >C12-C16	EH_2D_AL_#1	M	5002	mg/kg	2.00	< 2.0	< 2.0		
Aliphatic EPH >C16-C21	EH_2D_AL_#1	M	5002	mg/kg	2.00	< 2.0	< 2.0		
Aliphatic EPH >C21-C35	EH_2D_AL_#1	M	5002	mg/kg	3.00	< 3.0	< 3.0		
Aliphatic EPH >C35-C40	EH_2D_AL_#1	N	5002	mg/kg	10.00	< 10	< 10		
Total Aliphatic EPH >C10-C35	EH_2D_AL_#1	M	5002	mg/kg	7.00	< 7.0	< 7.0		
Aromatic EPH >C10-C12	EH_2D_AR_#1	U	5002	mg/kg	2.00	< 2.0	< 2.0		
Aromatic EPH >C12-C16	EH_2D_AR_#1	U	5002	mg/kg	2.00	< 2.0	< 2.0		
Aromatic EPH >C16-C21	EH_2D_AR_#1	U	5002	mg/kg	2.00	< 2.0	< 2.0		
Aromatic EPH >C21-C35	EH_2D_AR_#1	U	5002	mg/kg	2.00	< 2.0	5.7		
Aromatic EPH >C35-C40	EH_2D_AR_#1	N	5002	mg/kg	1.00	< 1.0	4.0		
Total Aromatic EPH >C10-C35	EH_2D_AR_#1	U	5002	mg/kg	4.00	< 4.0	7.0		
Total EPH >C10-C35	EH_2D_Total_#1	U	5002	mg/kg	10.00	< 10	< 10		
Organic Matter		M	2625	%	0.40			0.91	3.6
Total Organic Carbon		M	2625	%	0.20	3.4	2.4		
Mineral Oil EPH	EH_2D_AL_#1	N	5002	mg/kg	10	< 10	< 10		
Total TPH >C10-C40 NC	EH_1D_Total	M	5001	mg/kg	10.0			14	45
Benzene		M	2760	µg/kg	1.0	< 1.0	< 1.0		
Toluene		M	2760	µg/kg	1.0	< 1.0	< 1.0		

Results - Soil

Project: P2505 West Close

Client: Priority Geotechnical Ltd				**Chemtest Job No.:**		26-10819	26-10819	26-10819	26-10819
Quotation No.: Q23-32607				**Chemtest Sample ID.:**		2105738	2105739	2105740	2105741
				Client Reference:		*ST-8010*	*TP-MTH-02*	*TP-8975*	*ST-7960*
				Sample Type:		*SOIL*	*SOIL*	*SOIL*	*SOIL*
				Top Depth (m):		*0.5*	*0.5*	*1.0*	*1.0*
				Date Sampled:		*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*
				Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**				
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0	< 1.0		
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0		
o-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0		
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	< 1.0	< 1.0		
Naphthalene		M	5003	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene		M	5003	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene		M	5003	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene		M	5003	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene		M	5003	mg/kg	0.05	< 0.05	< 0.05	< 0.05	0.38
Anthracene		M	5003	mg/kg	0.05	< 0.05	< 0.05	< 0.05	0.21
Fluoranthene		M	5003	mg/kg	0.05	< 0.05	0.24	< 0.05	3.1
Pyrene		M	5003	mg/kg	0.05	< 0.05	0.24	< 0.05	3.0
Benzo[a]anthracene		M	5003	mg/kg	0.05	< 0.05	0.13	< 0.05	1.6
Chrysene		M	5003	mg/kg	0.05	< 0.05	0.15	< 0.05	1.6
Benzo[b]fluoranthene		M	5003	mg/kg	0.05	< 0.05	0.24	< 0.05	1.9
Benzo(k)Fluoranthene		M	5003	mg/kg	0.05	< 0.05	0.08	< 0.05	0.72
Benzo[a]pyrene		M	5003	mg/kg	0.05	< 0.05	0.19	< 0.05	1.6
Indeno(1,2,3-c,d)Pyrene		M	5003	mg/kg	0.05	< 0.05	0.15	< 0.05	1.2

Results - Soil

Project: P2505 West Close

Client: Priority Geotechnical Ltd			**Chemtest Job No.:**			26-10819	26-10819	26-10819	26-10819
Quotation No.: Q23-32607			**Chemtest Sample ID.:**			2105738	2105739	2105740	2105741
			Client Reference:			*ST-8010*	*TP-MTH-02*	*TP-8975*	*ST-7960*
			Sample Type:			*SOIL*	*SOIL*	*SOIL*	*SOIL*
			Top Depth (m):			*0.5*	*0.5*	*1.0*	*1.0*
			Date Sampled:			*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*	*26-Mar-2026*
			Asbestos Lab:			DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**				
Dibenz(a,h)Anthracene		M	5003	mg/kg	0.05	< 0.05	< 0.05	< 0.05	0.17
Benzo[g,h,i]perylene		M	5003	mg/kg	0.05	< 0.05	0.15	< 0.05	0.88
Coronene		N	5003	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Of 16 PAH's		M	5003	mg/kg	0.05			< 0.05	16
Total Of 17 PAH's		N	5003	mg/kg	0.05			< 0.05	16
PCB 28		U	2815	mg/kg	0.010	< 0.010	< 0.010		
PCB 52		U	2815	mg/kg	0.010	< 0.010	< 0.010		
PCB 101		U	2815	mg/kg	0.010	< 0.010	< 0.010		
PCB 118		U	2815	mg/kg	0.010	< 0.010	< 0.010		
PCB 153		U	2815	mg/kg	0.010	< 0.010	< 0.010		
PCB 138		U	2815	mg/kg	0.010	< 0.010	< 0.010		
PCB 180		U	2815	mg/kg	0.010	< 0.010	< 0.010		
Tot PCBs Low (7 Congeners)		N	2815	mg/kg	0.05	< 0.05	< 0.05		
Total Phenols		M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Single Stage WAC

Project: P2505 West Close

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	26-10819							
Chemtest Sample ID:	2105729							
Sample Ref:						**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample ID:								
Client Reference:	*TP-8975*							
Top Depth(m):	*0.5*							
Bottom Depth(m):								
Sampling Date:	*26-Mar-2026*							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	6.6	3	5	6
Loss On Ignition	2610		M	%	26	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.05	1	--	--
WAC Total C10-C40	5002	EH_2D_Total_#1	N	mg/kg	< 10	500	--	--
Total (Of 17) PAH's	5003		N	mg/kg	< 0.1	100	--	--
pH at 20C	2010		M		7.0	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.021	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0016	0.016	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0010	0.0097	0.5	10	70
Copper	1455		U	0.0092	0.092	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0011	0.011	0.5	10	30
Nickel	1455		U	0.0010	0.0099	0.4	10	40
Lead	1455		U	0.0022	0.022	0.5	10	50
Antimony	1455		N	0.0014	0.014	0.06	0.7	5
Selenium	1455		U	0.0009	0.0088	0.1	0.5	7
Zinc	1455		U	0.013	0.13	4	50	200
Chloride	1220		U	4.0	40	800	15000	25000
Fluoride	1220		U	0.14	1.4	10	150	500
Sulphate	1220		U	9.8	98	1000	20000	50000
Total Dissolved Solids	1020		N	40	400	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	6.7	67	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	14
WAC Sample Weight	1716

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: P2505 West Close

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	26-10819							
Chemtest Sample ID:	2105730							
Sample Ref:						**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample ID:								
Client Reference:	*TP-MTH-01*							
Top Depth(m):	*0.5*							
Bottom Depth(m):								
Sampling Date:	*26-Mar-2026*							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	3.2	3	5	6
Loss On Ignition	2610		M	%	3.2	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.05	1	--	--
WAC Total C10-C40	5002	EH_2D_Total_#1	N	mg/kg	< 10	500	--	--
Total (Of 17) PAH's	5003		N	mg/kg	1.5	100	--	--
pH at 20C	2010		M		7.7	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.014	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0016	0.016	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0009	0.0090	0.5	10	70
Copper	1455		U	0.0033	0.033	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0024	0.024	0.5	10	30
Nickel	1455		U	0.0007	0.0074	0.4	10	40
Lead	1455		U	0.0015	0.015	0.5	10	50
Antimony	1455		N	0.0006	0.0059	0.06	0.7	5
Selenium	1455		U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	0.009	0.087	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.26	2.6	10	150	500
Sulphate	1220		U	3.3	33	1000	20000	50000
Total Dissolved Solids	1020		N	64	640	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.8	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	15
WAC Sample Weight	2093

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: P2505 West Close

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	26-10819							
Chemtest Sample ID:	2105731							
Sample Ref:						**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample ID:								
Client Reference:	*TP-KTH-01*							
Top Depth(m):	*1.0*							
Bottom Depth(m):								
Sampling Date:	*26-Mar-2026*							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	15	3	5	6
Loss On Ignition	2610		M	%	17	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.05	1	--	--
WAC Total C10-C40	5001	EH_1D_Total	N	mg/kg	38	500	--	--
Total (Of 17) PAH's	5003		N	mg/kg	4.6	100	--	--
pH at 20C	2010		M		7.9	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.014	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0008	0.0084	0.5	2	25
Barium	1455		U	0.021	0.21	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0038	0.038	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0044	0.044	0.5	10	30
Nickel	1455		U	0.0025	0.025	0.4	10	40
Lead	1455		U	0.0010	0.010	0.5	10	50
Antimony	1455		N	0.0014	0.014	0.06	0.7	5
Selenium	1455		U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	0.004	0.042	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.21	2.1	10	150	500
Sulphate	1220		U	7.7	77	1000	20000	50000
Total Dissolved Solids	1020		N	85	850	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.8	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	14
WAC Sample Weight	17220

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: P2505 West Close

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	26-10819							
Chemtest Sample ID:	2105734							
Sample Ref:						**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample ID:								
Client Reference:	*ST-14985*							
Top Depth(m):	*0.5*							
Bottom Depth(m):								
Sampling Date:	*26-Mar-2026*							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	17	3	5	6
Loss On Ignition	2610		M	%	12	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.05	1	--	--
WAC Total C10-C40	5002	EH_2D_Total_#1	N	mg/kg	< 10	500	--	--
Total (Of 17) PAH's	5003		N	mg/kg	20	100	--	--
pH at 20C	2010		M		7.7	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.019	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0020	0.020	0.5	2	25
Barium	1455		U	0.009	0.089	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0095	0.095	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0009	0.0094	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	0.0030	0.030	0.5	10	50
Antimony	1455		N	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	0.008	0.076	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.21	2.1	10	150	500
Sulphate	1220		U	< 1.0	< 10	1000	20000	50000
Total Dissolved Solids	1020		N	55	540	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	4.0	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	13
WAC Sample Weight	1790

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: P2505 West Close

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	26-10819							
Chemtest Sample ID:	2105735							
Sample Ref:						**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample ID:								
Client Reference:	*ST-7960*							
Top Depth(m):	*0.5*							
Bottom Depth(m):								
Sampling Date:	*26-Mar-2026*							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	0.81	3	5	6
Loss On Ignition	2610		M	%	3.8	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.05	1	--	--
WAC Total C10-C40	5002	EH_2D_Total_#1	N	mg/kg	< 10	500	--	--
Total (Of 17) PAH's	5003		N	mg/kg	4.0	100	--	--
pH at 20C	2010		M		7.6	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.014	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0009	0.0088	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0033	0.033	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0012	0.012	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		N	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	0.003	0.032	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.16	1.6	10	150	500
Sulphate	1220		U	3.7	37	1000	20000	50000
Total Dissolved Solids	1020		N	77	770	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	4.5	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	15
WAC Sample Weight	2467

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: P2505 West Close

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	26-10819							
Chemtest Sample ID:	2105737							
Sample Ref:						**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample ID:								
Client Reference:	*TP-KTH01*							
Top Depth(m):	*0.5*							
Bottom Depth(m):								
Sampling Date:	*26-Mar-2026*							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	1.5	3	5	6
Loss On Ignition	2610		M	%	4.6	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.05	1	--	--
WAC Total C10-C40	5002	EH_2D_Total_#1	N	mg/kg	< 10	500	--	--
Total (Of 17) PAH's	5003		N	mg/kg	1.4	100	--	--
pH at 20C	2010		M		6.9	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	< 0.0020	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0007	0.0071	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0007	0.0070	0.5	10	70
Copper	1455		U	0.0027	0.027	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	< 0.0002	< 0.0020	0.5	10	30
Nickel	1455		U	0.0006	0.0064	0.4	10	40
Lead	1455		U	0.0018	0.018	0.5	10	50
Antimony	1455		N	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	0.006	0.056	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.093	< 1.0	10	150	500
Sulphate	1220		U	1.5	15	1000	20000	50000
Total Dissolved Solids	1020		N	15	150	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.9	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	13
WAC Sample Weight	2274

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: P2505 West Close

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	26-10819							
Chemtest Sample ID:	2105738							
Sample Ref:						**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample ID:								
Client Reference:	*ST-8010*							
Top Depth(m):	*0.5*							
Bottom Depth(m):								
Sampling Date:	*26-Mar-2026*							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	3.4	3	5	6
Loss On Ignition	2610		M	%	0.29	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.05	1	--	--
WAC Total C10-C40	5002	EH_2D_Total_#1	N	mg/kg	< 10	500	--	--
Total (Of 17) PAH's	5003		N	mg/kg	< 0.1	100	--	--
pH at 20C	2010		M		7.5	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.016	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0002	0.0021	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0014	0.014	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0021	0.021	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		N	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	0.0007	0.0065	0.1	0.5	7
Zinc	1455		U	0.005	0.048	4	50	200
Chloride	1220		U	1.3	13	800	15000	25000
Fluoride	1220		U	0.17	1.7	10	150	500
Sulphate	1220		U	6.3	63	1000	20000	50000
Total Dissolved Solids	1020		N	49	490	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	< 2.5	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	17
WAC Sample Weight	2804

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: P2505 West Close

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	26-10819							
Chemtest Sample ID:	2105739							
Sample Ref:						**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample ID:								
Client Reference:	*TP-MTH-02*							
Top Depth(m):	*0.5*							
Bottom Depth(m):								
Sampling Date:	*26-Mar-2026*							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	2.4	3	5	6
Loss On Ignition	2610		M	%	5.1	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.05	1	--	--
WAC Total C10-C40	5002	EH_2D_Total_#1	N	mg/kg	< 10	500	--	--
Total (Of 17) PAH's	5003		N	mg/kg	1.6	100	--	--
pH at 20C	2010		M		7.5	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	< 0.0020	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0017	0.017	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0005	0.0053	0.5	10	70
Copper	1455		U	0.0038	0.038	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0029	0.029	0.5	10	30
Nickel	1455		U	0.0007	0.0074	0.4	10	40
Lead	1455		U	0.0013	0.013	0.5	10	50
Antimony	1455		N	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	0.006	0.056	4	50	200
Chloride	1220		U	1.2	12	800	15000	25000
Fluoride	1220		U	0.28	2.8	10	150	500
Sulphate	1220		U	11	110	1000	20000	50000
Total Dissolved Solids	1020		N	94	940	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	4.8	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	16
WAC Sample Weight	2391

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity at 25°C and Total Dissolved Solids (TDS) in Waters	Conductivity Meter	
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	RE PW PL LE DW GW
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).	RE PW PL SW DW GW
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation	PL SW GW
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	PL GW
2010	pH Value of Soils	pH at 20°C	pH Meter	
2015	Acid Neutralisation Capacity	Acid Reserve	Titration	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2180	Sulphur (Elemental) in Soils by HPLC	Sulphur	Dichloromethane extraction / HPLC with UV detection	
2192	Asbestos Quantification in Soils Sediments Ballast & Aggregate Crushed Concrete & Demolition Rubble	Asbestos	Polarised light microscopy / Gravimetry	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Allkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N–dimethyl-p-phenylenediamine.	
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.	
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.	
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.	
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.	
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8-C10 Aromatics: >C5–C7,>C7-C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS. Reported PCB 101 results may contain contributions from PCB 90 due to inseparable chromatography.	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	
5001	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C10-C40); optional carbon banding, e.g. 4-band DRO >C10-12, >C12-16, >C16-21 and >C21-35	Hexane/Acetone extraction / GC-FID	
5002	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Hexane extraction / GCxGC FID detection	
5003	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Hexane / Acetone extraction GC-MS	
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	
650	Characterisation of Waste (Leaching C2,C8,C10,WAC)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	

Report Information

Key	
U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection
Text example	All items indicated in italic font represent customer-supplied information that may not be independently verified by the laboratory

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

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

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

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

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

All results are expressed on a dry weight basis.

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

For all other tests the samples were dried at ≤ 30°C prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

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

Where analysis is performed on a dried and crushed sample, it has been prepared by crushing all of the sample. If material has been removed prior to crushing, or by request of the client, this will be stated on the report.

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

Sample Deviation Codes

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

A - Date of sampling not supplied

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

C - Sample not received in appropriate containers

D - Broken Container

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

H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

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

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

Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

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

Clean Up Codes

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

HWOL Acronym System

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

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
cs@etuki.eurofins.com