5. **Overhead lines** are not necessarily shown on the Electricity North West Limited cable records but may be present. In the event of work being carried out adjacent to overhead lines (including access, storage etc.) please always ensure strict adherence to the requirements of the **Health and Safety Executive's Document GS6 "Avoiding Danger from Overhead Power Lines"**.

   Extreme personal danger can result from contact, or near contact, with live conductors or overhead lines.

   Treat all overhead lines and other electrical apparatus as live. If in doubt, get advice.

6. Electricity North West Limited must be consulted if work is to take place within 15 metres of overhead lines on steel towers or 9 metres of overhead lines on wood, concrete or steel pylons. (All distances should be measure at ground level from a position estimated by eye to be vertically under the outermost conductor at a tower or pole position) Any person involved in work in the vicinity of overhead lines should:

   - Understand and follow the instructions given on safe working areas and methods of work.
   - Make sure that warning notices are in the cabs of machines working in the vicinity of an overhead line.
   - Make sure that barriers and warning notices are erected as required.
   - Not tip soil or stack material underneath overhead lines as this may reduce the clearance to an unsafe distance.
   - Make sure when handling or using platforms, scaffold, poles, piping, ladders, hand tools etc., that they are kept at a safe distance from overhead lines.
   - Not steady a suspended load, skip, hoist wire, slings etc., unless satisfied that there isn't any danger from overhead lines.
   - Remember that when mobile plant, such as a crane or excavator, is operating near overhead lines , the raising or slewing of the jib may introduce danger.
   - Always keep overhead lines in view when manoeuvring mobile plant.
   - Never operate a machine unless carefully guided by an experienced banksman.
   - Not approach or touch any broken or fallen conductors or any plant in contact with an overhead line before Electricity North West Limited confirms that conditions are safe. Warn others to keep well clear.

   Machine operators should note that: if a machine comes into contact with an overhead line and cannot be disentangled by backing off, remain seated in the cab and warn others to keep clear of the machine until Electricity North West Limited confirms that conditions are safe. If it is essential to leave the machine while it is in contact with the overhead line, for example if it catches fire, jump well clear – and **do not** attempt to climb down in the normal way nor touch any part of the machine when on the ground.

7. Electricity North West Limited provides approximate locations of its electricity mains or apparatus according to its records but these records are not necessarily accurate or complete and do not always show the position of private cables from mains to properties. No person or company shall be relieved from liability for any damage caused by reason of the actual positions and/or depths being different from those indicated.

8. Care should be taken when excavating near cables. Known road crossings are highlighted on the enclosed plans. Should any cable, or Electricity North West Limited apparatus indicated on the attached plans, be affected by your proposals please contact us as follows:

   Electricity North west Limited
   Borron Street
   Portwood, Stockport
   Cheshire
   SK1 2JD

   Telephone: **0800 195 4141 (option 4)**

   Details of diversion costs, if any, will be provided on request once your firm proposals have been submitted.

9. Please note that service cables may be affected by some of the works being carried out on site.

   If any services do require temporary disconnection please phone **0800 195 4141 (option 2)** for domestic and commercial disconnection, so that arrangement can be made to disconnect before work commences on site.

10. Please note that cable records supplied may not be up to date, or may be incomplete, if the area concerned is a new site.

11. For information regarding wayleave or easement agreements contact WayleaveEnquiries@enwl.co.uk

12. The latest cable records are always available for inspection during normal working hours and you should satisfy yourself that the information you have is up to date at the time you commence work. This service is consistent with the requirement of Regulation 36 of the Electricity Supply Regulations and paragraph 79 of the New Road and Street Works Act.

electricity north west
Bringing energy to your door

Electricity North West Limited
Borron Street, Portwood
Stockport
SK1 2JD

www.enwl.co.uk

Registered in England and Wales
Registered Number 2366949

Enquiry Confirmation

LSBUD Ref: 37978840

Date of enquiry: 14/07/2025
Time of enquiry: 12:36

Enquirer

Name	Miss Lauren Wenham	Phone	01604 781877
Company	Soiltechnics Ltd	Mobile	Not Supplied
Address	Cedar Barn White Lodge Walgrave NTH NN6 9PY		
Email	admin@soiltechnics.net		

Enquiry Details

Enquiry type	Planned Works
Work category	Development Projects
Work type	Piling
Work type buffer*	150 metres
Start date	15/07/2025
End date	15/07/2025
Scheme/Reference	STX7134
Search location	XY= 359661, 436069
Confirmed location	359716 435984
Site size	0 metres square
Site Contact Name	Rosie Dean - Soiltechnics Limited
Site Phone No.	01604781877
Description of Works	boreholes

* The WORK TYPE BUFFER is a distance added to your search area based on the Work type you have chosen.

Site Map

Please note that the above map only displays the location of the proposed work site and will not display any of the Members' pipes and cables. It is imperative that this area accurately reflects the proposed work site.

Affected LSBUD members

(LSBUD Members who have assets registered on LSBUD within the vicinity of your search area.)

Do not proceed until all Members listed below have confirmed that your works can continue.

Asset Owner	Phone/Email	Emergency Only	Status
Cadent Gas	0800688588	0800111999	Await response
Electricity North West Limited	08001954141	08001954141	Await response
Last Mile	plantenquiries@lastmile-uk.com	0800111999	Await response
National Gas Transmission	08009707000	0800111999	Await response

Status explanation

Await Response means that the asset owner will contact you. This is typically by sending the plan response but they may ask for further information before being able to do so, particularly if any payments or authorisations are required.

Email Additional Info means that the asset owner needs further information about your works to assess your enquiry before providing a response. Please provide any details you have available including plans, method statements etc. if available.

Enquiry Confirmation
LSBUD Ref: 37978840

Date of enquiry: 14/07/2025
Time of enquiry: 12:36

Important notices

It is very important that you correctly understand what the service does and the procedures in order for you to work safely. Please refer to the LSBUD Support Page (www.lsbud.co.uk/linesearchbeforeudig-support) for further guidance.
This information includes how to provide additional information to the LSBUD Members who request it to provide a response to your enquiry.
Validity and search criteria. The results of this enquiry are based on the confirmed information you entered and are valid only as at the date and time of the enquiry. It is your responsibility to ensure that the Enquiry Details are correct, and LinesearchbeforeUdig (LSBUD) accepts no responsibility for any errors or omissions in the Enquiry Details or any consequences thereof. LSBUD Members update their asset information on a regular basis so you are advised to consider this when undertaking any works. It is your responsibility to choose the period of time after which you need to resubmit any enquiry but the maximum time (after which your enquiry will no longer be dealt with by the LSBUD Helpdesk and LSBUD Members) is 28 days. If any details of the enquiry change, particularly including, but not limited to, the location of the work, then a further enquiry must be made.
Terms and Conditions. Please note that this enquiry is subject always to our standard terms and conditions available at www.lsbud.co.uk ("Terms of Use") and the disclaimer at the end of this document. Please note that in the event of any conflict or ambiguity between the terms of this Enquiry Confirmation and the Terms of Use, the Terms of Use shall take precedence.

List of not affected LSBUD members
(LSBUD Members who do not have assets registered on the LSBUD service within the vicinity of your search area.)

Advanced Electricity Networks	Air Products PLC	AllPoints Fibre
Angus Energy	AWE Pipeline	B & D Energy Limited
Balfour Beatty Investments Limited	BOC Limited (A Member of the Linde Group)	Box Broadband
BP Exploration Operating Company Limited	BPA	Burwell 11 Solar Limited
Cambridge Water	Cambridgeshire County Council Climate Change and Energy Services	CATS Pipeline c/o Wood Group PSN
Cemex	Centrica Storage Ltd	CNG Services Ltd
Concept Solutions People Ltd	ConocoPhillips (UK) Teesside Operator Ltd	D.S.Smith
Diamond Transmission Corporation	DIO (MOD Live Pipelines)	Drax Power Limited
Eden Estuary Energy Limited	EDF Energy Renewables Ltd	EET Fuels
EirGrid	Eleclink Limited	Energy Assets Networks
ENI & Himor c/o Penspen Ltd	EnQuest Heather Ltd	EP Langage Limited
ESB CCGT Power station (Carrington Gas Pipeline)	ESP Utilities Group	Esso Petroleum Company Limited
euNetworks Fiber UK Ltd	EXA Infrastructure	Exolum Pipeline System
Fulcrum Electricity Assets Limited	Fulcrum Pipelines Limited	G.Network Communication Ltd c/o JSM Group Ltd
Gamma	Gas Networks Ireland (UK)	Gateshead Energy Company
Gigaclear Ltd	Greenlink Interconnector Ltd	Harbour Energy
Heathrow Airport LTD	Humbly Grove Energy	IGas Energy
Impala Terminals Infrastructure Ltd	INEOS FPS Pipelines	INEOS Manufacturing (Scotland and TSEP)
INOVYN ChlorVinyls Limited	INOVYN Enterprises Limited	Intergen (Coryton Energy or Spalding Energy)
Kensa Utilities	Liverpool City Region Connect	Mainline Pipelines Limited
Manchester Jetline Limited	Manx Cable Company	Marchwood Power Ltd (Gas Pipeline)
Melbourn Solar Limited	MUA Group Limited	Mutual Energy
National Grid Electricity Distribution	National Grid Electricity Transmission	National Grid Ventures
Neos Networks	Northern Gas Networks Limited	Northumbrian Water Group
NPower CHP Pipelines	NTT Global Data Centers EMEA UK Ltd	NYnet Ltd
Ogi	Oikos Storage Limited	Ørsted
Palm Paper Ltd	Perenco UK Limited (Purbeck Southampton Pipeline)	Petroineos
Phillips 66	Portsmouth Water	Redundant Pipelines - LPDA
RWE - Great Yarmouth Pipeline (Bacton to Great Yarmouth Power Station)	RWEnpower (Little Barford and South Haven)	SABIC UK Petrochemicals
SAS Utility Services Ltd	Scottish and Southern Electricity Networks	Scottish Power Generation
Seabank Power Ltd	SES Water	SGN

Enquiry Confirmation
LSBUD Ref: 37978840

Date of enquiry: 14/07/2025
Time of enquiry: 12:36

Shell	Shell NOP	South Staffs Water
SP Energy Networks	Spring Fibre Limited	Squire Energy Networks
SSE Generation Ltd	SSE Transmission	SSE Utility Solutions Limited
Storengy	Sutton Bridge Power Generation	Tata Communications (c/o JSM Construction Ltd)
TfL – London Underground HV Cables (Road & Track Side Cables)	toob Limited	Total (Colnbrook) c/o Penspen
Total Finaline Pipelines	Transmission Capital	Trojan Energy Limited
UK Power Distribution	UK Power Networks	Uniper UK Ltd
University of Cambridge Granta Backbone Network	Vattenfall	Veolia ES SELCHP Limited
Veolia ES Sheffield Ltd	Virgin Media O2	Voneus Limited
VPI Power Limited	Wales and West Utilities	Welsh Power
West of Duddon Sands Transmission Ltd	West Sussex OpenNetwork (Cooperative National Infrastructure)	Westminster City Council
Winnington CHP Ltd	Zayo Group UK Ltd c/o JSM Group Ltd	

Non-LSBUD members (Asset owners not registered on LSBUD)
(The following Non-LSBUD Members may have assets in your search area. It is YOUR RESPONSIBILITY to contact them before proceeding.
Please be aware this list is not exhaustive and it is your responsibility to identify and contact all asset owners within your search area.)

Asset Owner	Preferred contact method	Phone	Status
Bring Energy	nrswa@bringenergy.com	0800 130 3600	Not Notified
BT	https://www.swns.bt.com/pls/mbe/welcome.home	08000232023	Not Notified
CityFibre	asset.team@cityfibre.com	033 3150 7282	Not Notified
Colt	plantenquiries@catelecomuk.com	01227768427	Not Notified
GTC	https://pe.gtc-uk.co.uk/PlantEnqMembership	01359240363	Not Notified
Lancashire County Council	highways@lancashire.gov.uk	03001236701	Not Notified
Lumen Technologies	plantenquiries@ocugroup.com	02087314613	Not Notified
Mobile Broadband Network Limited	mbnl.plant.enquiries@turntown.com	01212 621 100	Not Notified
Sky UK Limited	nrswa@sky.uk	02070323234	Not Notified
Sota	sota.plantenquiries@ocugroup.com		Not Notified
United Utilities	WastewaterDeveloperServices@uuplc.co.uk	08707510101	Not Notified
Utility assets Ltd	assetrecords@utilityassets.co.uk		Not Notified
Verizon Business	osp-team@uk.verizonbusiness.com	01293611736	Not Notified
Virgin Media	http://www.digdat.co.uk	08708883116	Not Notified
Vodafone	osm.enquiries@atkinsglobal.com	01454662881	Not Notified

Disclaimer
Please refer to LSBUD's Terms of Use for full terms of use available at www.lsbud.co.uk
The results of this Enquiry are personal to the Enquirer and shall not be shared with or relied upon by any other party. The asset information on which the Enquiry results are based has been provided by LSBUD Members, therefore LSBUD will provide no guarantee that such information is accurate or reliable nor does it monitor such asset information for accuracy and reliability going forward. There may also be asset owners which do not participate in the enquiry service operated by LSBUD, including but not exclusively those set out above. Therefore, LSBUD cannot make any representation or give any guarantee or warranty as to the completeness of the information contained in the enquiry results or accept any responsibility for the accuracy of the mapping images used. LSBUD and its employees, agents and consultants accept no liability (save that nothing in this Enquiry Confirmation excludes or limits our liability for death or personal injury arising from our negligence, or our fraud or fraudulent misrepresentation, or any other liability that cannot be excluded or limited by English law) arising in respect thereof or in any other way for errors or omissions including responsibility to any person by reason of negligence.

National Gas Emergency Number: 0800 111 999*

*Available 24 hours, 7 days/week.
Calls may be recorded and monitored.
www.nationalgas.com

Our Ref: 37978840 STX7134

Monday, 14 July 2025

Lauren Wenham
Cedar Barn White Lodge
Walgrave
NTH
NN6 9PY

Asset Protection
National Gas Transmission
National Grid House
Warwick
CV34 6DA
Email: box.assetprotection@nationalgas.com
Tel: 0800 970 7000

National Gas Transmission – Moderate Response Letter

Dear Sir/ Madam,

An assessment has been carried out with respect to National Gas Transmission plc's apparatus and the proposed work location. Based on the location entered into the system for assessment the area has been found to be outside the High Risk zone from National Gas Transmission plc's apparatus and can proceed. Should the work area change or type of activity being undertaken, a new enquiry shall be submitted for assessment.

Please carefully read the guidance notes on the next pages.

It is **YOUR** responsibility to take into account whether you are required to or would benefit from referring to the HSE Land Use Planning App (LUP), available from HSE's website. (Please note for some works this is a requirement for them to take place) More information on the LUP is available at https://www.hse.gov.uk/landuseplanning/

Should the work area change, evidence of this **must** be submitted to National Gas Transmission prior to receiving a formal response.

You will have received pipeline route drawings if your enquiry is located within the Medium Risk zone from National Gas Transmission buried assets. Please familiarise yourself with the location of these assets and should the works location change a new enquiry shall be submitted for assessment.

Please note this response and any attached map(s) are valid for 28 days.

Yours sincerely

Asset Protection Team

Your Responsibilities and Obligations

The "Assessment" Section below outlines the detailed requirements that must be followed when planning or undertaking you activities at this location.

It is your responsibility to ensure that the information you have submitted is accurate and that all relevant documents including links are provided to all persons (either direct labour or contractors) working for you near National Gas Transmission plc's apparatus, e.g. as contained within the Construction (Design and Management) Regulations.

This assessment solely relates to National Gas Transmission plc (NGT)

This assessment does **NOT** include:

- National Gas Transmission's legal interest (easements or wayleaves) in the land which restricts activity in proximity to National Gas Transmission's assets in private land. You must obtain details of any such restrictions from the landowner in the first instance and if in doubt contact Asset Protection.
- Recently installed apparatus
- Apparatus owned by other organisations, e.g. Cadent, National Grid Electricity Transmission plc, other gas distribution operators, local electricity companies, other utilities, etc.

It is **YOUR** responsibility to take into account whether the items listed above may be present and if they could be affected by your proposed activities.

This communication does not constitute any formal agreement or consent for any proposed development work; either generally or with regard to National Gas Transmission plc easements or wayleaves nor any planning or building regulations applications.

National Gas Transmission plc or their agents, servants or contractors do not accept any liability for any losses arising under or in connection with this information. This limit on liability applies to all and any claims in contract, tort (including negligence), misrepresentation (excluding fraudulent misrepresentation), breach of statutory duty or otherwise. This limit on liability does not exclude or restrict liability where prohibited by the law nor does it supersede the express terms of any related agreements.

If you require further assistance please contact the Asset Protection team via e-mail box.assetprotection@nationalgas.com or via the contact details at the top of this response.

Requirements

National High Pressure Gas Pipelines

BEFORE carrying out any work you must:

- Ensure that no works are undertaken in the vicinity of our gas pipelines and that no heavy plant, machinery or vehicles cross the route of the pipeline until detailed consultation has taken place.
- Carefully read these requirements including the attached guidance documents and maps showing the location of apparatus.
- Contact the landowner and ensure any proposed works in private land do not infringe National Gas Transmission's legal rights (i.e. easements or wayleaves). If the works are in the road or footpath the relevant local authority should be contacted.
- Ensure that all persons, including direct labour and contractors, working for you on or near National Gas Transmission's apparatus follow the requirements of the HSE Guidance Notes HSG47 - 'Avoiding Danger from Underground Services' This guidance can be downloaded free of charge at http://www.hse.gov.uk
- In line with the above guidance, verify and establish the actual position of mains, pipes, cables, services and other apparatus on site before any activities are undertaken.

DURING any work you must:

- Ensure that the National Gas Transmission requirements are followed for work in the vicinity of High pressure pipelines including the supervision of the digging of trial holes.
- Comply with all guidance relating to general activities and any specific guidance for each asset type as specified in the Guidance Section below.
- Ensure that access to National Gas Transmission apparatus is maintained at all times.
- Prevent the placing of heavy construction plant, equipment, materials or the passage of heavy vehicles over National Gas Transmission apparatus unless specifically agreed with National Gas Transmission in advance.
- Exercise extreme caution if slab (mass) concrete is encountered during excavation works as this may be protecting or supporting National Gas Transmission apparatus.
- Maintain appropriate clearances between gas apparatus and the position of other buried plant.

GUIDANCE

National Gas Transmission Network data

The Network map for National Gas Transmission assets can be downloaded at the following link in GIS format.
www.nationalgas.com/land-and-assets/network-route-maps

High Pressure Gas Pipelines Guidance:
If working in the vicinity of a high pressure gas pipeline the following document must be followed: 'Specification for Safe Working in the Vicinity of National Gas Transmission High Pressure Gas Pipelines and Associated Installation – Requirements for Third Parties' (SSW22). This can be obtained from:
<Link to SSW22 once it has been updated and signed off>

Essential Guidance document:
https://www.nationalgas.com/sites/gas/files/documents/8589934982-Essential%20Guidance.pdf.

You should be aware of the following information regarding National Gas Transmission's high pressure underground pipelines and associated apparatus:

- Our underground pipelines are protected by permanent agreements with landowners or have been laid in the public highway under our licence. These grant us legal rights that enable us to achieve efficient and reliable operation, maintenance, repair and refurbishment of our gas transmission network. Hence we require that no permanent structures are built over or under pipelines or within the zone specified in the agreement, materials or soil are not stacked or stored on top of the pipeline route and that unrestricted and safe access to any of our pipeline(s) must be maintained at all times.

- The information supplied is given in good faith and only as a guide to the location of our underground pipelines. The accuracy of this information cannot be guaranteed. The physical presence of such pipelines may also be evident from pipeline marker posts. The person(s) responsible for planning, supervising and carrying out work in proximity to our pipeline(s) shall be liable to us, as pipeline(s) owner, as well as to any third party who may be affected in any way by any loss or damage resulting from their failure to locate and avoid any damage to such a pipeline(s).

- The relevant guidance in relation to working safely near to existing underground pipelines is contained within the Health and Safety Executive's (www.hse.gov.uk) Guidance HS(G)47 "Avoiding Danger From Underground Services" and all relevant site staff should make sure that they are both aware of and understand this guidance.

- Our pipelines are normally buried to a depth of 1.2 metres or more below ground and further information may be found on the plans provided. Ground cover above our pipelines should not be reduced or increased.

- Any proposed cable crossings are subject to approval from National Gas Transmission, completion of a Deed of Consent and must remain a minimum of 600mm above or below the pipeline. All works associated with cable installation must be supervised by National Gas Transmission. Cables cannot be pulled through until a Deed of Consent is in place.

- If it is planned to use mechanical excavators and any other powered mechanical plant, it shall not be sited or moved above the pipeline.

- If it is planned to carry out excavation to a depth greater than 0.3 metres, embankment or dredging works, the actual position and depth of the pipeline must be established on site with our representative and a safe working method agreed prior to any work taking place in order to minimise the risk of damage and ensure the final depth of cover does not affect the integrity of the pipeline.

- The digging of trial holes to locate the pipeline must be carried out under the supervision of our on-site representative following approval of RAMS. Excavation works may take place unsupervised no closer than 3 metres from the pipeline once its actual location has been confirmed. Similarly, excavation with handheld power tools may take place no closer than 1.5 metres away.

- For operational and safety reasons National Gas Transmission requires unrestricted access to our Above Ground Installations and Compressor Stations. We would request that any proposed changes to roads/layouts in the vicinity of our site have regard to the need to maintain access.

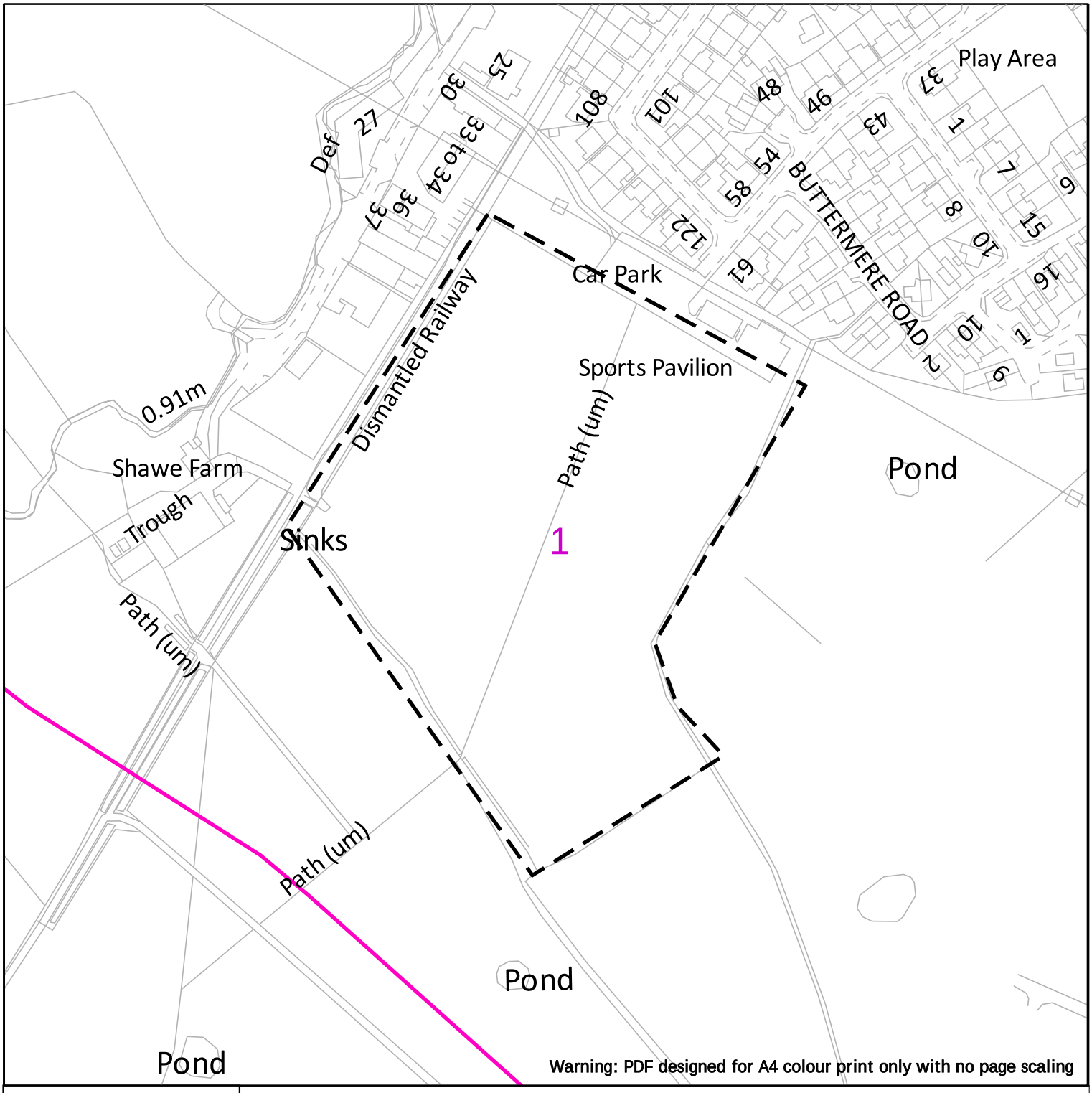
- Any construction traffic should either cross the pipeline using existing roads or at agreed crossing locations using agreed protective measures.

- Ground anchors for scaffolding stay wires should only be sited in the vicinity of the pipeline after the pipeline position has been confirmed on site with our representative and the ground anchor position agreed.

- If your proposals include the installation of wind turbines then the minimum separation between the pipeline and the nearest turbine should be 1.5 times the mast height.

- If your proposals include the installation of a Solar Farm, all assets must remain outside of the National Gas Transmission easement, all cable crossings must be agreed during the design stage, a Deed of Consent undertaken and an Earthing report must be provided for review. National Gas Transmission must retain access to its assets at all times once works have been completed.

The relocation of existing underground pipelines is not normally feasible on grounds of cost, operation and maintenance and environmental impact. Further details can be found in our specification for: safe working in the vicinity of National Gas Transmission high pressure gas pipelines and associated installations – requirements for third parties: T/SP/SSW/22 (see link above or copy enclosed)



national gas transmission

National Gas Transmission
National Grid House
Warwick Technology Park
Gallows Hill
Warwick
CV34 6DA

box.assetprotection@nationalgas.com

100m

Dig Sites Area: Line:

NHP Mains

Date Requested: 14/07/2025
Job Reference: 37978840
Site Location: 359716 435984
Requested by: Miss Lauren Wenham

Your Scheme/Reference: STX7134

Scale: 1:2500 (When plotted at A4)

IMPORTANT NOTICES

This plan shows those pipes owned by National Gas Transmission PLC in its role as a licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc., are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by National Gas Transmission PLC or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

National Gas Transmission Emergency Number: 0800 111 999

Available 24 hours, 7 days/week. Calls may be recorded and monitored

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ENQUIRY SUMMARY

Received Date
14/07/2025 11:37

Work Start Date
15/07/2025

Your Reference
STX7134

Location
Centre Point: 359716 435984
X Extent:
Y Extent:
Postcode: PR3 3FY

Map Options
Paper Size: A4
Orientation: PORTRAIT
Scale: 1:2500
Real World Extents: 239m x 305m

Enquirer Details
Organisation Name: Soiltechnics Ltd
Contact Name: Lauren Wenham
Email Address: admin@soiltechnics.net
Telephone: 01604 781877 / Not Supplied
Address: Cedar Barn White Lodge, Walgrave, NTH, NN6 9PY

Enquiry Type
Planned Works

Activity Type
Development Projects

Work Types
Piling

Notes/Works Description (if supplied)
boreholes

Site Contact Name (if supplied)
Rosie Dean - Soiltechnics Limited

Site Contact Number (if supplied)
01604781877

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environmental ▪ geotechnical ▪ building fabric

Appendix C Exploratory Hole Logs

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environmental ▪ geotechnical ▪ building fabric

Key to legends

Composite materials, soils and lithology							
	Topsoil		Made Ground		Boulders		Chalk
	Clay		Coal		Cobbles		Concrete
	Gravel		Limestone		Mudstone		Peat
	Sand		Sandstone		Silt		Siltstone

Note: Composite soil types are signified by combined symbols.

Key to 'test results' and 'sampling' columns

Test result	
Depth	Records depth that the test was carried out (i.e.: at 2.10m or between 2.10m and 2.55m)
Result	PP – Pocket penetrometer result reported as an equivalent undrained shear strength (kN/m²) by applying a factor of 50. SV – Hand held shear vane result reported as an undrained shear strength (kN/m²). Where multiple readings are taken at the same level the average value is shown on the log. * Signifies that instrument limit reached.

Sampling		
From (m) To (m)	Records depth of sampling	
Type	D	Disturbed sample
	B	Bulk disturbed sample
	ES	Environmental sample
	W	Water sample
	U	Undisturbed thick-walled sample 100mm diameter sampler
	UT	Undisturbed thin walled sample 100mm diameter sampler
	UTF	Failed undisturbed sample

Water observations

Described at foot of log and shown in the 'water strike' column.

▼ Water level observed after specified delay in drilling

▽ Water strike

Density

Density recorded in brackets determined by qualitative field assessment or inferred from density testing and soil descriptions from across the site (i.e.: [Medium dense]).

Brian Holden Memorial Playing Field, Longridge

STX7134

soiltechnics
environmental ▪ geotechnical ▪ building fabric

STRATA				WATER STRIKES	IN SITU TESTING		SAMPLING		
DESCRIPTION	DEPTH (m)	REDUCED LVL (m OD)	LEGEND		TYPE / DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE
Grass onto brown slightly gravelly CLAY. Gravel is medium subrounded siltstone. (TOPSOIL)	0.20						0.10		ES
					PP 0.30	PP 42	0.30		ES
Soft to firm brown slightly sandy slightly gravelly CLAY with low cobble content of subangular concrete. Gravel is fine to coarse angular to subangular brick, concrete, and siltstone with occasional plastic. (MADE GROUND)	0.45						0.40		D
					PP 0.60	PP 75	0.60		D
Firm grey mottled orangish brown slightly CLAY. Gravel is medium to coarse siltstone. (DEVENSIAN TILL)				▽	PP 0.90	PP 71			
	1.00								
TRIAL PIT TERMINATED AT 1.00m									

Notes
Trial pit sides remained upright and stable upon completion. Trial pit terminated at scheduled depth. Infiltration testing performed.

Groundwater observations

Strike (m)	Comments
0.95	No significant rise upon completion

Title Trial pit record	**Dimensions (w x l)** 0.30m x 0.30m	**Date(s)** 25/11/2025
Method Hand Excavated	**Plant used** Hand Tools	**Sheet number** Sheet 1 of 1
Level (m OD) -	**Logged by** OH	**Revision** A
Co-ordinates Not surveyed	**Status** FINAL	**HP01**

Brian Holden Memorial Playing Field, Longridge

STX7134

soiltechnics
environmental ▪ geotechnical ▪ building fabric

STRATA				WATER STRIKES	IN SITU TESTING		SAMPLING		
DESCRIPTION	DEPTH (m)	REDUCED LVL (m OD)	LEGEND		TYPE / DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE
Grass onto brown slightly sandy CLAY with frequent rootlets. (TOPSOIL)	0.10				PP 0.20	PP 50			
...between 0.03m and 1m depth, orangish brown medium SAND.							0.35		ES
Soft brown slightly gravelly sandy CLAY. Gravel is fine to medium subangular siltstone with occasional fragments of wood. (MADE GROUND)	0.45				PP 0.60	PP 84	0.40 0.50		D D
Firm grey mottled orangish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded siltstone and quartzite. (DEVENSIAN TILL)					PP 0.90	PP 84	0.95		D
TRIAL PIT TERMINATED AT 1.00m	1.00								

Notes
Trial pit sides remained upright and stable upon completion. Trial pit terminated at scheduled depth.

Groundwater observations

Strike (m)	Comments

No groundwater strike recorded

Title Trial pit record	**Dimensions (w x l)** 0.30m x 0.35m	**Date(s)** 25/11/2025
Method Hand Excavated	**Plant used** Hand Tools	**Sheet number** Sheet 1 of 1
Level (m OD) -	**Logged by** OH	**Revision** A
Co-ordinates Not surveyed	**Status** FINAL	**HP02**

Brian Holden Memorial Playing Field, Longridge

STX7134

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STRATA				WATER STRIKES	IN SITU TESTING		SAMPLING		
DESCRIPTION	DEPTH (m)	REDUCED LVL (m OD)	LEGEND		TYPE / DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE
Grass onto brown slightly sandy CLAY with frequent rootlets. (TOPSOIL)	0.20						0.10		ES
Soft to firm brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium angular to subangular sandstone, siltstone and quartzite. (DEVENSIAN TILL)	0.55						0.50		ES
Stiff brown mottled grey slightly gravelly slightly sandy CLAY. Gravel is fine subangular to subrounded siltstone, quartzite and sandstone. (DEVENSIAN TILL)							0.80		D
TRIAL PIT TERMINATED AT 1.20m	1.20								

Notes

Trial pit sides remained upright and stable upon completion. Trial pit terminated at scheduled depth.

Groundwater observations

Strike (m)	Comments
1.20	Rising to 1.10m upon completion

Title Trial pit record	**Dimensions (w x l)** 0.30m x 0.35m	**Date(s)** 25/11/2025
Method Hand Excavated	**Plant used** Hand Tools	**Sheet number** Sheet 1 of 1
Level (m OD) -	**Logged by** OH	**Revision** A
Co-ordinates Not surveyed	**Status** FINAL	**HP03**

Brian Holden Memorial Playing Field, Longridge

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INSTALL	STRATA DESCRIPTION	DEPTH (m)	REDUCED LVL (mOD)	LEGEND	WATER STRIKES	SPT TESTING TYPE / DEPTH (m)	SPT TESTING RESULT	SPT TESTING CASING DEPTH (m)	SPT TESTING WATER LEVEL (m)	OTHER IN SITU TESTING TYPE / DEPTH (m)	OTHER IN SITU TESTING RESULT	SAMPLING FROM (m)	SAMPLING TO (m)	SAMPLING TYPE
	Grass onto brown slightly sandy CLAY with frequent rootlets. (TOPSOIL)	0.20										0.10		ES
	Firm brown mottled grey slightly sandy slightly gravelly CLAY with low cobble content of angular brick fragments. Gravel is fine to coarse angular to subangular brick, siltstone and quartzite. (MADE GROUND)	0.70								PP 0.50	PP 34	0.50		ES
	Soft to firm greyish brown slightly gravelly slightly sandy CLAY. Gravel is medium subangular sandstone. (MADE GROUND)					S 1.00	(3) 11							
	...between 1.2m and 1.4m depth, faint hydrocarbon odour.									PP 1.20	PP 34	1.30		ES
										PP 1.50	PP 50	1.60		D
	Very soft dark brown CLAY with frequent wood and relict rootlets. Strong organic odour noted. (MADE GROUND)	1.90				S 2.00	(0) 0					2.00		ES
												2.50		ES
	Firm greyish brown CLAY. (DEVENSIAN TILL)	3.00				S 3.00	(7) 16							
										PP 3.50	PP 100			
						S 4.00	(6) 17					4.00		D
										PP 4.50	PP 84			
						S 5.00	(6) 15							
	BOREHOLE TERMINATED AT 5.45m	5.45												

Notes

Inspection pit excavated to 1.0m depth. Borehole terminated at scheduled depth.

Groundwater observations

Strike (m)	5mins	10mins	15mins	20mins	Comments
1.50					1.2m upon completion

Recovery details

Range (m)	% Recv
1.00 - 2.00	100
2.00 - 3.00	40
3.00 - 4.00	100
4.00 - 5.00	60

Title
Dynamic windowless sampling record

Date(s)
25/11/2025

Method
Windowless Sampling

Plant used
Dando Terrier

Sheet number
Sheet 1 of 1

Level (m OD)
-

Logged by
OH

Revision
A

Co-ordinates
Not surveyed

Status
FINAL

WLS01

Brian Holden Memorial Playing Field, Longridge

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INSTALL	STRATA DESCRIPTION	DEPTH (m)	REDUCED LVL (mOD)	LEGEND	WATER STRIKES	SPT TESTING TYPE / DEPTH (m)	SPT TESTING RESULT	SPT TESTING CASING DEPTH (m)	SPT TESTING WATER LEVEL (m)	OTHER IN SITU TESTING TYPE / DEPTH (m)	OTHER IN SITU TESTING RESULT	SAMPLING FROM (m)	SAMPLING TO (m)	SAMPLING TYPE
	Grass onto brown slightly sandy CLAY with frequent rootlets. (TOPSOIL)	0.25										0.20		ES
	Soft greyish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded brick and siltstone. (MADE GROUND)	0.50								PP 0.40	PP 29	0.40		ES
												0.40		D
	Stiff brown mottled grey slightly gravelly CLAY. Gravel is fine to medium angular subangular siltstone, sandstone and quartzite. (DEVENSIAN TILL)					S 1.00	(8) 22			PP 1.00	PP 100			
												1.20		D
										PP 1.50	PP 225			
						S 2.00	(9) 25			PP 2.00	PP 225			
						S 3.00	(13) 30			PP 3.00	PP 171	3.00		D
						S 4.00	(10) 25			PP 4.00	PP 125			
						S 5.00	(14) 32			PP 4.90	PP 167			
	BOREHOLE TERMINATED AT 5.45m	5.45												

Notes

Inspection pit excavated to 1.1m depth. Borehole terminated at scheduled depth.

Groundwater observations

Strike (m)	5mins	10mins	15mins	20mins	Comments
4.80				4.8	No significant rise

Recovery details

Range (m)	% Recv
1.10 - 2.00	100
2.00 - 3.00	40
3.00 - 4.00	90
4.00 - 5.00	100

Title
Dynamic windowless sampling record

Date(s)
25/11/2025

Method
Windowless Sampling

Plant used
Dando Terrier

Sheet number
Sheet 1 of 1

Level (m OD)
-

Logged by
OH

Revision
A

Co-ordinates
Not surveyed

Status
FINAL

WLS02

Brian Holden Memorial Playing Field, Longridge

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INSTALL	STRATA DESCRIPTION	DEPTH (m)	REDUCED LVL (mOD)	LEGEND	WATER STRIKES	SPT TESTING TYPE / DEPTH (m)	SPT RESULT	SPT CASING DEPTH (m)	SPT WATER LEVEL (m)	OTHER IN SITU TESTING TYPE / DEPTH (m)	OTHER IN SITU RESULT	SAMPLING FROM (m)	SAMPLING TO (m)	SAMPLING TYPE
	Grass onto brown slightly sandy CLAY with frequent rootlets. (TOPSOIL)	0.20												
	Soft greyish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded brick and siltstone. (MADE GROUND)	0.40										0.30		ES
	Stiff brown mottled grey slightly gravelly CLAY. Gravel is fine to medium subangular to subrounded siltstone, sandstone and quartzite. (DEVENSIAN TILL)					S 1.00	(7) 19			PP 1.00	PP 100			
						S 2.00	(9) 27			PP 2.00	PP 129	2.00		D
					▼					PP 2.50	PP 146			
	...at 3m depth, becoming firm.					S 3.00	(8) 22			PP 3.00	PP 88			
						S 4.00	(6) 21			PP 4.00	PP 88			
										PP 4.50	PP 79			
						S 5.00	(9) 23			PP 5.00	PP 84	4.90		D
	BOREHOLE TERMINATED AT 5.45m	5.45												

Notes

Inspection pit excavated to 1.2m depth. Borehole terminated at scheduled depth.

Groundwater observations

Strike (m)	5mins	10mins	15mins	20mins	Comments
2.50				2.5	No significant rise

Recovery details

Range (m)	% Recv
1.20 - 2.00	75
2.00 - 3.00	80
3.00 - 4.00	95
4.00 - 5.00	10

Title
Dynamic windowless sampling record

Date(s)
25/11/2025

Method
Windowless Sampling

Plant used
Dando Terrier

Sheet number
Sheet 1 of 1

Level (m OD)
-

Logged by
OH

Revision
A

Co-ordinates
Not surveyed

Status
FINAL

WLS03

Brian Holden Memorial Playing Field, Longridge

STX7134

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INSTALL	STRATA DESCRIPTION	DEPTH (m)	REDUCED LVL (mOD)	LEGEND	WATER STRIKES	SPT TESTING TYPE / DEPTH (m)	SPT TESTING RESULT	SPT TESTING CASING DEPTH (m)	SPT TESTING WATER LEVEL (m)	OTHER IN SITU TESTING TYPE / DEPTH (m)	OTHER IN SITU TESTING RESULT	SAMPLING FROM (m)	SAMPLING TO (m)	SAMPLING TYPE
	Grass onto brown slightly sandy CLAY with frequent rootlets. (TOPSOIL)											0.10		ES
		0.20										0.30		ES
	Soft greyish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded brick and siltstone. (MADE GROUND)	0.40												
	Stiff brown mottled grey slightly gravelly CLAY. Gravel is fine to coarse angular to subrounded siltstone, quartzite and sandstone. (DEVENSIAN TILL)					S 1.00	(7) 21			PP 1.00	PP 121	1.10		D
						S 2.00	(7) 24			PP 2.00	PP 154			
										PP 2.50	PP 146	2.50		D
	...at 2.6m depth, becoming firm.					S 3.00	(9) 27			PP 3.00	PP 79			
						S 4.00	(10) 27			PP 4.00	PP 84			
						S 5.00	(8) 21			PP 5.00	PP 100			
	BOREHOLE TERMINATED AT 5.45m	5.45												

Notes

Inspection pit excavated to 1.1m depth. Borehole terminated at scheduled depth.

Groundwater observations

Strike (m)	5mins	10mins	15mins	20mins	Comments
No groundwater strike recorded					

Recovery details

Range (m)	% Recv
1.10 - 2.00	100
2.00 - 3.00	30
3.00 - 4.00	100
4.00 - 5.00	100

Title
Dynamic windowless sampling record

Date(s)
25/11/2025

Method
Windowless Sampling

Plant used
Dando Terrier

Sheet number
Sheet 1 of 1

Level (m OD)
-

Logged by
OH

Revision
A

Co-ordinates
Not surveyed

Status
FINAL

WLS04

Appendix D In Situ Test Results

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Dynamic Cone Penetrometer (DCP) summary

Location	Layer No.	CBR (%)	Thickness(mm)	Start depth(mmBGL)	Base depth(mmBGL)
DCP07	1	1.7	140	10	150
DCP07	2	6.8	250	150	400
DCP07	3	11.0	410	400	810
DCP06	1	6.6	120	20	140
DCP06	2	6.5	650	140	790
DCP05	1	4.4	180	10	190
DCP05	2	5.6	240	190	430
DCP05	3	12.4	410	430	840
DCP04	1	3.7	80	10	90
DCP04	2	6.7	450	90	540
DCP04	3	11.2	210	540	750
DCP03	1	1.7	120	10	130
DCP03	2	10.5	280	130	410
DCP03	3	28.9	123	410	533
DCP02	1	3.5	100	10	110
DCP02	2	11.1	330	110	440
DCP02	3	22.1	390	440	830
DCP01	1	6.3	280	20	300
DCP01	2	19.5	200	300	500
DCP01	3	14.3	290	500	790

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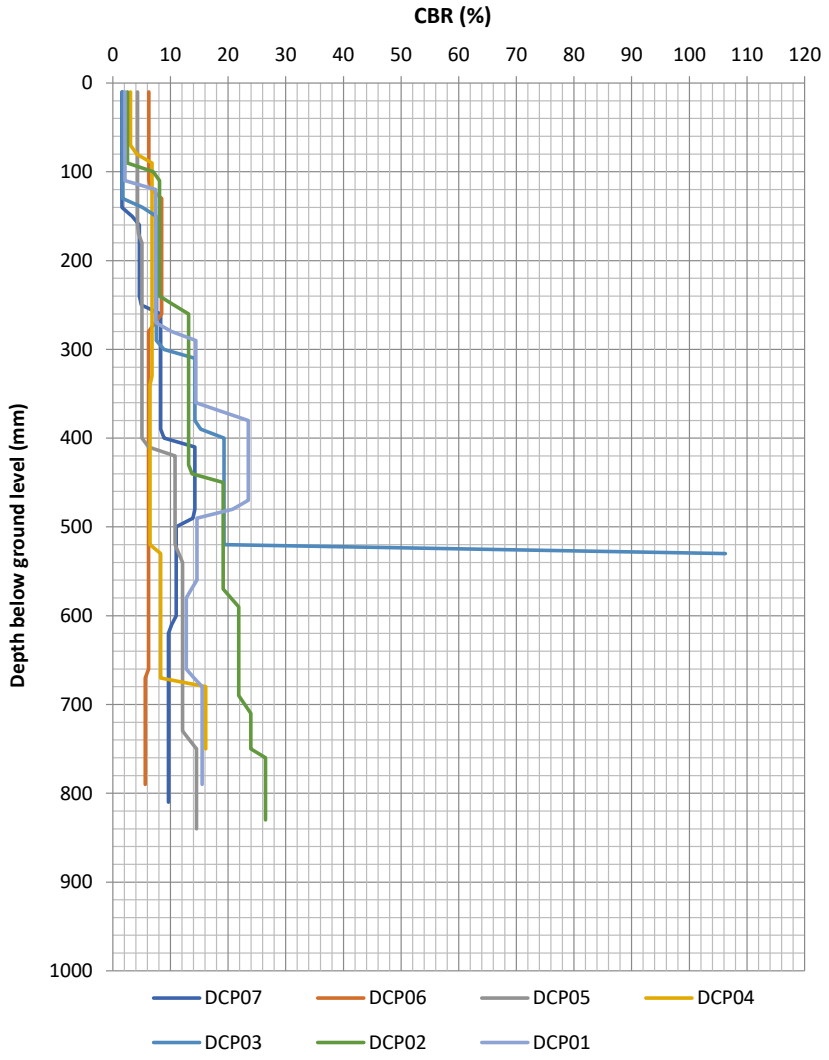
Plot showing CBR (%) against depth summary



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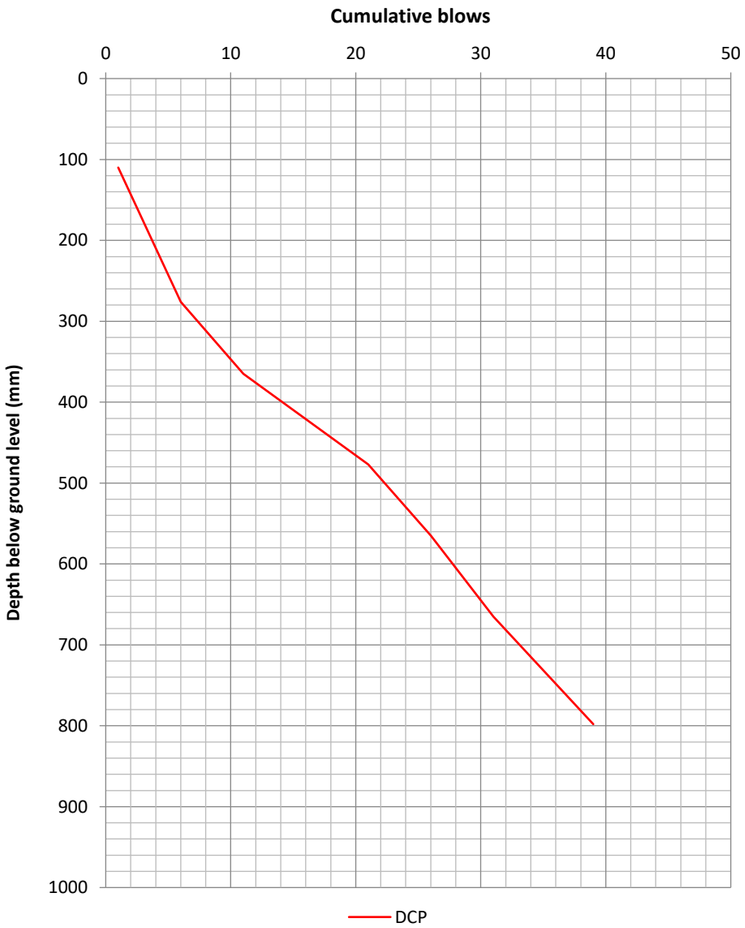
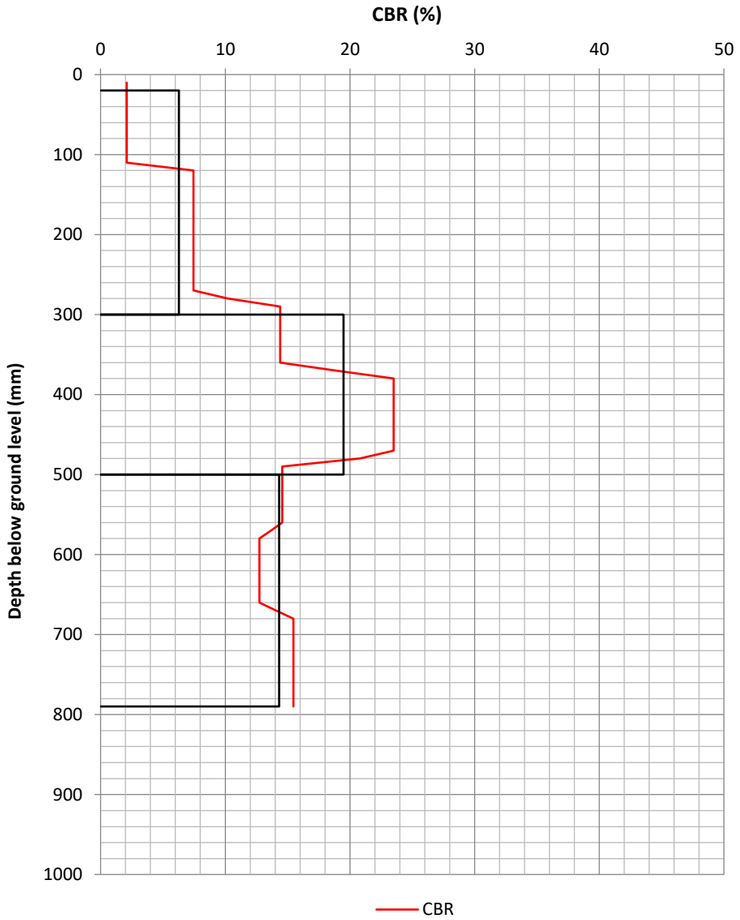
Dynamic Cone Penetrometer (DCP) test

Location	Date of test	Start depth (mm)	Zero reading (mm)	Operator
DCP01	25/11/2025	0	135	

Plot showing number of blows against depth



Plot showing CBR (%) against depth



Layer properties

Layer No.	CBR (%)	Thickness (mm)	Start depth (mmBGL)	Base depth (mmBGL)
1	**6.3**	280	20	300
2	**19.5**	200	300	500
3	**14.3**	290	500	790

Notes

1. Test procedure following Highways England Document CS229 Data for Pavement Assessment.

Calculations

Log10 (Uncorrected (UC) CBR) = 2.48 - 1.057Log10(mm/blow)

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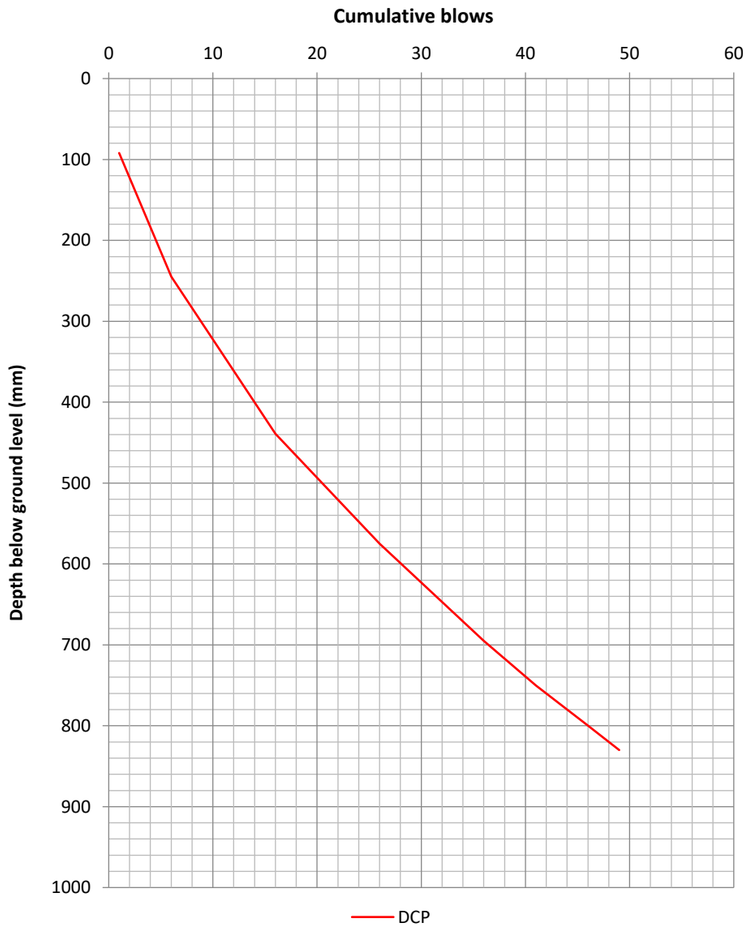
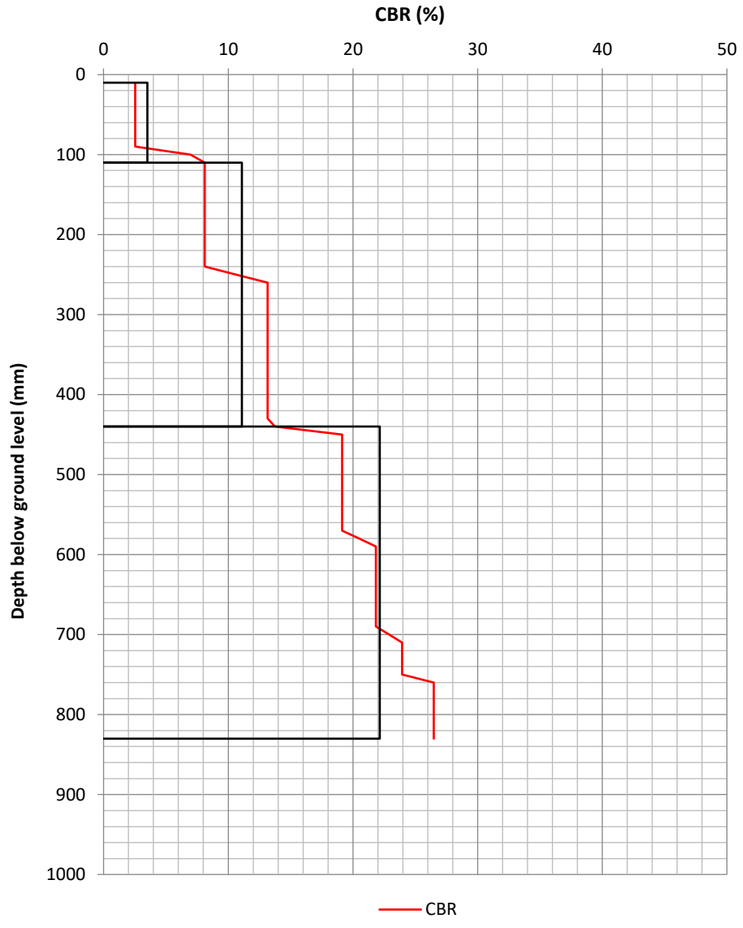
Dynamic Cone Penetrometer (DCP) test

Location	Date of test	Start depth (mm)	Zero reading (mm)	Operator
DCP02	25/11/2025	0	75	

Plot showing number of blows against depth



Plot showing CBR (%) against depth



Layer properties

Layer No.	CBR (%)	Thickness (mm)	Start depth (mmBGL)	Base depth (mmBGL)
1	**3.5**	100	10	110
2	**11.1**	330	110	440
3	**22.1**	390	440	830

Notes

1. Test procedure following Highways England Document CS229 Data for Pavement Assessment.

Calculations

Log10 (Uncorrected (UC) CBR) = 2.48 - 1.057Log10(mm/blow)

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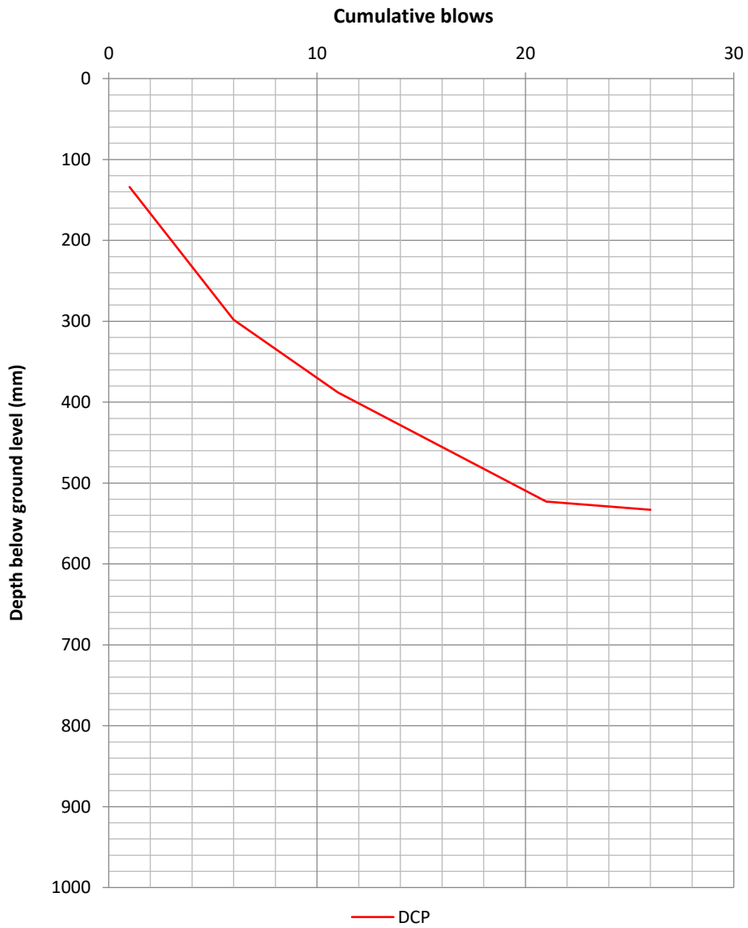
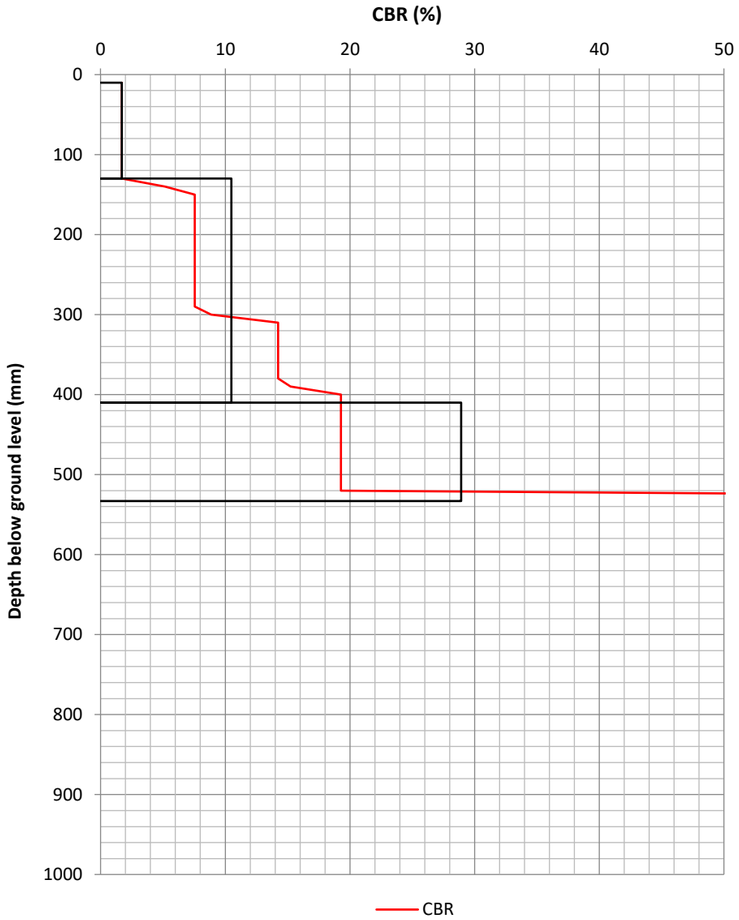
Dynamic Cone Penetrometer (DCP) test

Location	Date of test	Start depth (mm)	Zero reading (mm)	Operator
DCP03	25/11/2025	0	62	

Plot showing number of blows against depth



Plot showing CBR (%) against depth



Layer properties

Layer No.	CBR (%)	Thickness (mm)	Start depth (mmBGL)	Base depth (mmBGL)
1	**1.7**	120	10	130
2	**10.5**	280	130	410
3	**28.9**	123	410	533

Notes

1. Test procedure following Highways England Document CS229 Data for Pavement Assessment.

Calculations

Log10 (Uncorrected (UC) CBR) = 2.48 - 1.057Log10(mm/blow)

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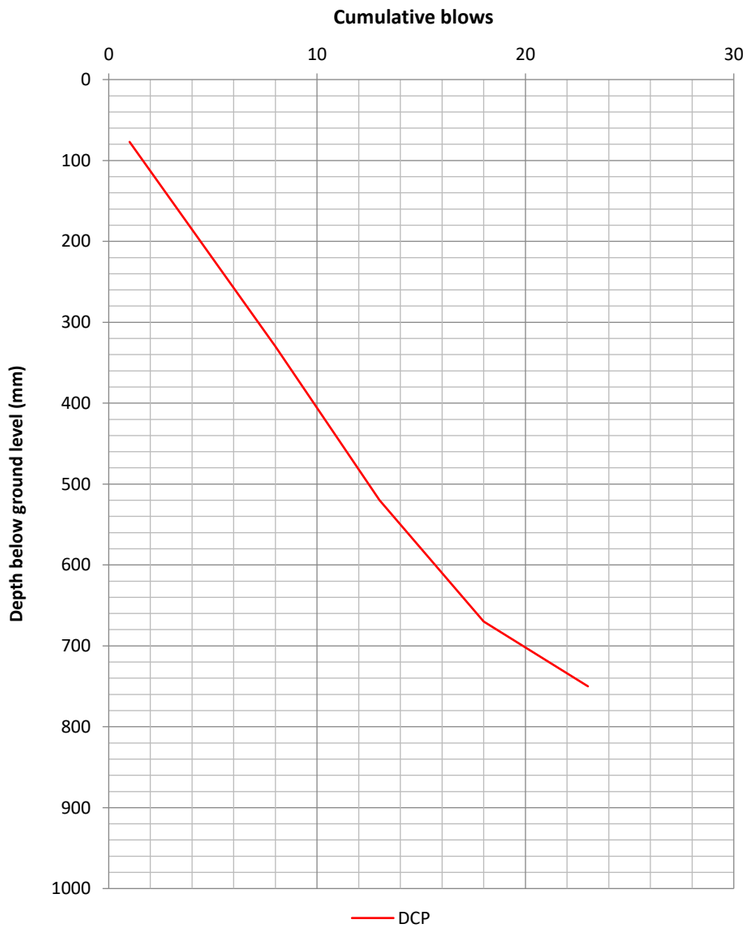
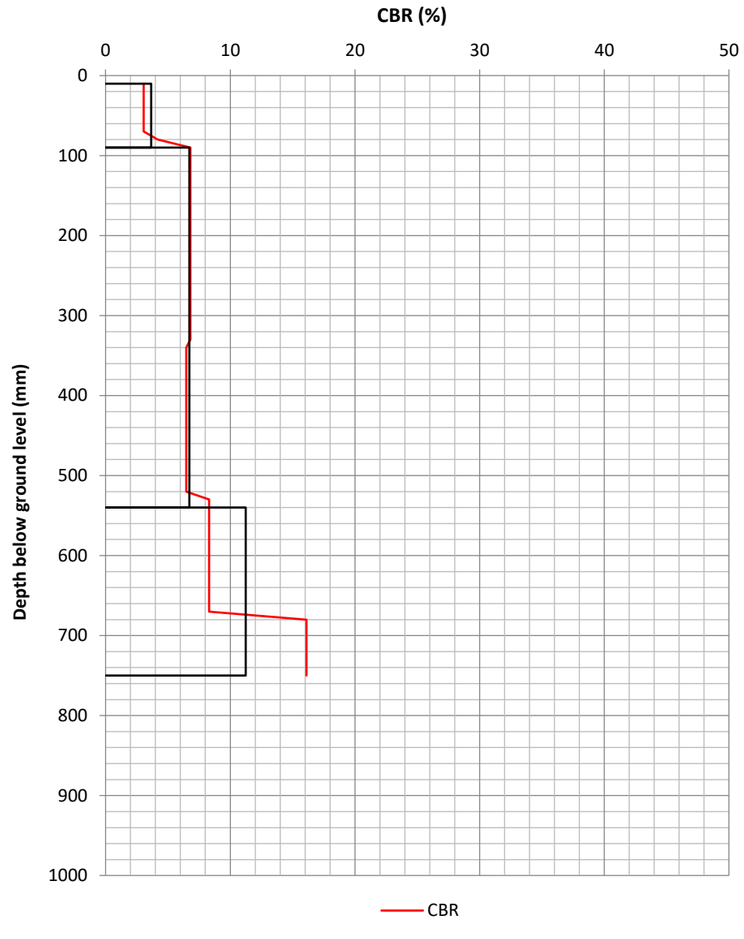
Dynamic Cone Penetrometer (DCP) test

Location	Date of test	Start depth (mm)	Zero reading (mm)	Operator
DCP04	25/11/2025	0	120	

Plot showing number of blows against depth



Plot showing CBR (%) against depth



Layer properties

Layer No.	CBR (%)	Thickness (mm)	Start depth (mmBGL)	Base depth (mmBGL)
1	**3.7**	80	10	90
2	**6.7**	450	90	540
3	**11.2**	210	540	750

Notes

1. Test procedure following Highways England Document CS229 Data for Pavement Assessment.

Calculations

Log10 (Uncorrected (UC) CBR) = 2.48 - 1.057Log10(mm/blow)

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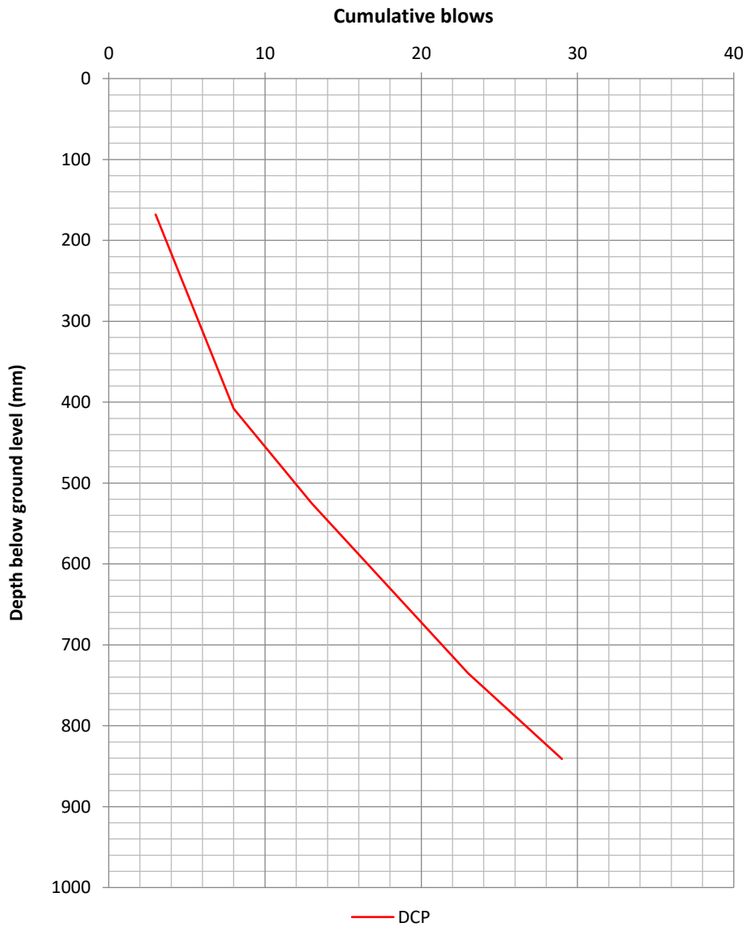
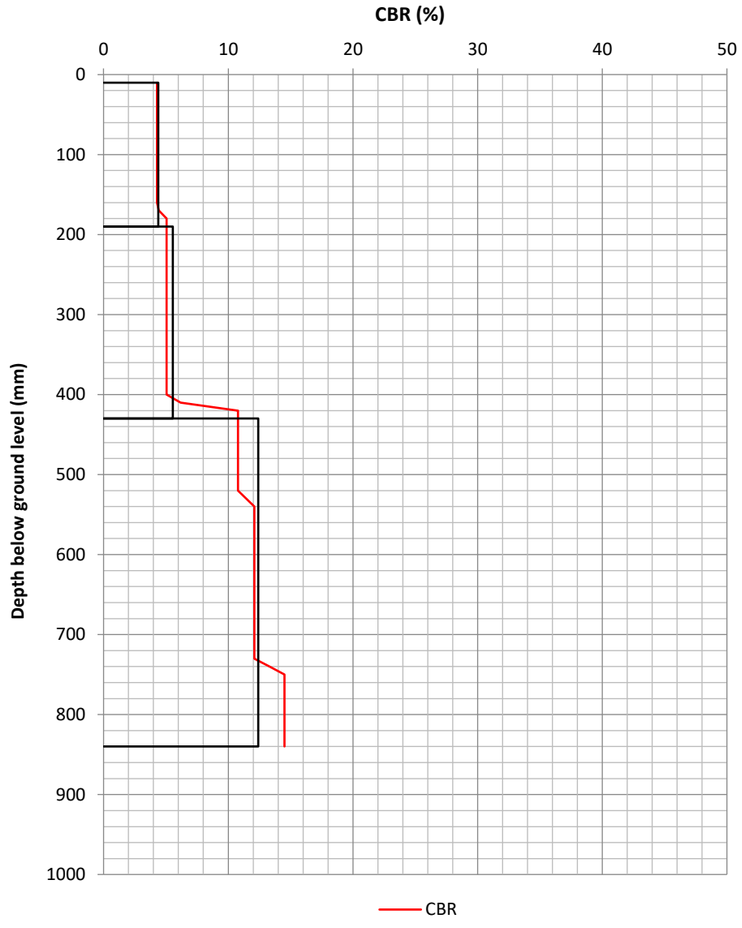
Dynamic Cone Penetrometer (DCP) test

Location	Date of test	Start depth (mm)	Zero reading (mm)	Operator
DCP05	25/11/2025	0	65	

Plot showing number of blows against depth



Plot showing CBR (%) against depth



Layer properties

Layer No.	CBR (%)	Thickness (mm)	Start depth (mmBGL)	Base depth (mmBGL)
1	**4.4**	180	10	190
2	**5.6**	240	190	430
3	**12.4**	410	430	840

Notes

1. Test procedure following Highways England Document CS229 Data for Pavement Assessment.

Calculations

Log10 (Uncorrected (UC) CBR) = 2.48 - 1.057Log10(mm/blow)

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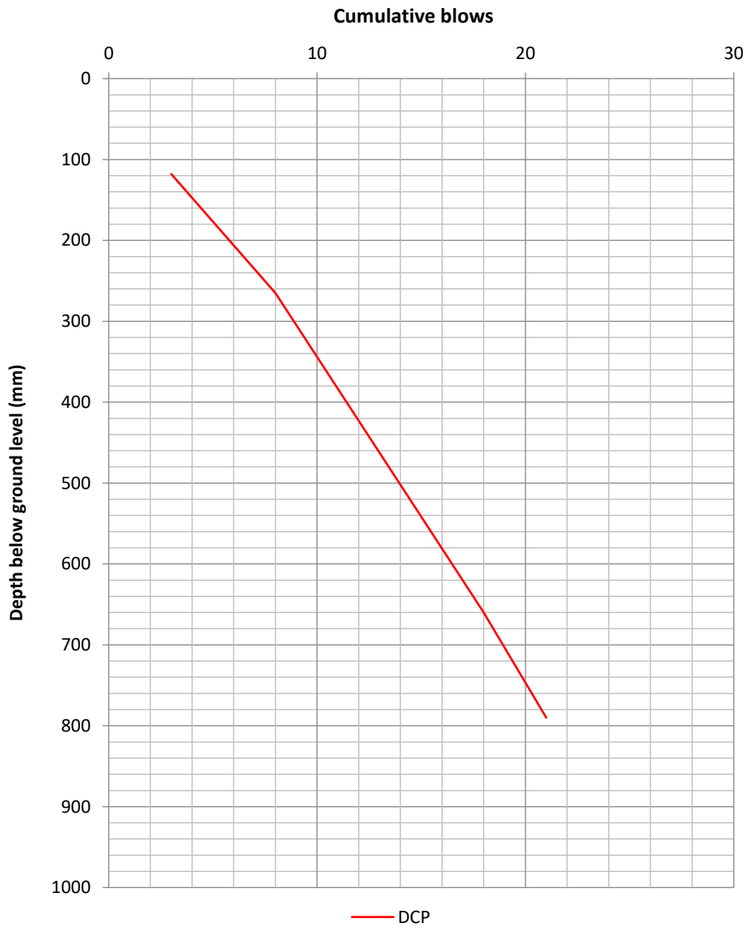
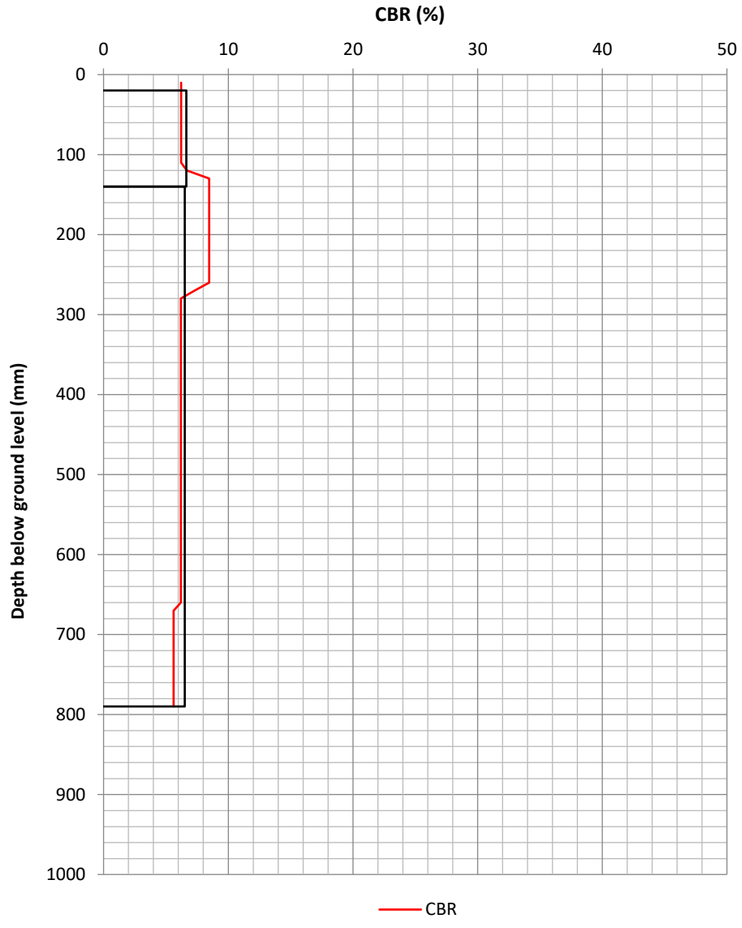
Dynamic Cone Penetrometer (DCP) test

Location	Date of test	Start depth (mm)	Zero reading (mm)	Operator
DCP06	25/11/2025	0	135	

Plot showing number of blows against depth



Plot showing CBR (%) against depth



Layer properties

Layer No.	CBR (%)	Thickness (mm)	Start depth (mmBGL)	Base depth (mmBGL)
1	**6.6**	120	20	140
2	**6.5**	650	140	790

Notes

1. Test procedure following Highways England Document CS229 Data for Pavement Assessment.

Calculations

Log10 (Uncorrected (UC) CBR) = 2.48 - 1.057Log10(mm/blow)

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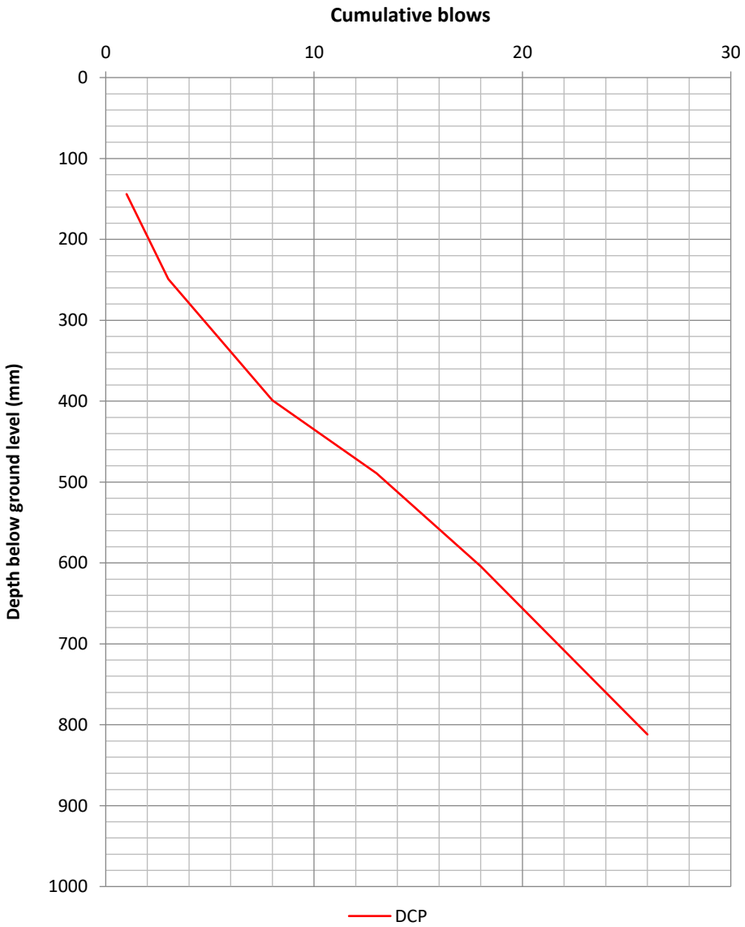
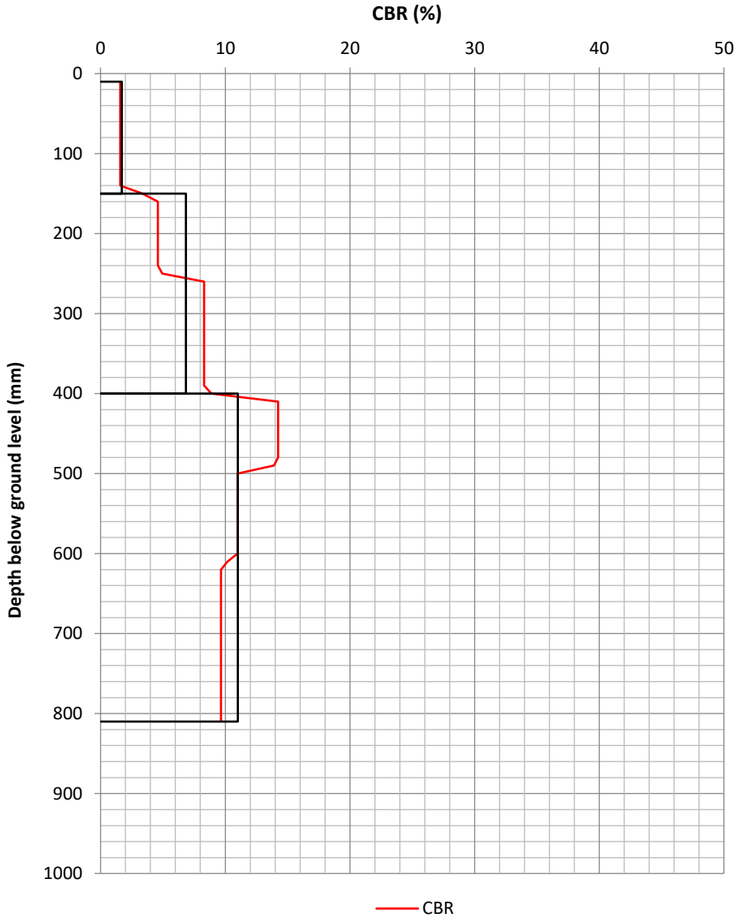
Dynamic Cone Penetrometer (DCP) test

Location	Date of test	Start depth (mm)	Zero reading (mm)	Operator
DCP07	25/11/2025	0	96	

Plot showing number of blows against depth



Plot showing CBR (%) against depth



Layer properties

Layer No.	CBR (%)	Thickness (mm)	Start depth (mmBGL)	Base depth (mmBGL)
1	**1.7**	140	10	150
2	**6.8**	250	150	400
3	**11.0**	410	400	810

Notes

1. Test procedure following Highways England Document CS229 Data for Pavement Assessment.

Calculations

Log10 (Uncorrected (UC) CBR) = 2.48 - 1.057Log10(mm/blow)

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Table summarising Pocket Penetrometer results

** Instrument limit reached.*

Location	Start Depth (m)	Results 1-3	Average	Undrained Shear Strength (kN/m^2)
HP01	0.60	1.5/1.75/1.25	1.50	75
HP01	0.30	0.75/1/0.75	0.83	42
HP01	0.90	1.5/1.25/1.5	1.42	71
HP02	0.20	1/1/1	1.00	50
HP02	0.60	1.75/1.75/1.5	1.67	83
HP02	0.90	1.75/1.5/1.75	1.67	83
WLS01	0.50	0.75/0.75/0.5	0.67	33
WLS01	1.20	0.75/0.75/0.5	0.67	33
WLS01	3.50	2.5/1.75/1.75	2.00	100
WLS01	1.50	1/1/1	1.00	50
WLS01	4.50	1/2/2	1.67	83
WLS02	0.40	0.5/0.7/0.5	0.57	28
WLS02	1.00	2/2/2	2.00	100
WLS02	1.50	4.5/4.5/4.5	4.50	225
WLS02	2.00	4.5/4.5/4.5	4.50	225
WLS02	3.00	3.25/4/3	3.42	171
WLS02	4.00	2/2.5/3	2.50	125
WLS02	4.90	4/3/3	3.33	167
WLS03	1.00	2.5/2/1.5	2.00	100
WLS03	2.00	2.75/2.5/2.5	2.58	129
WLS03	2.50	3.25/3/2.5	2.92	146
WLS03	3.00	1.75/2/1.5	1.75	88
WLS03	4.00	1.75/2/1.5	1.75	88
WLS03	4.50	1.5/1.5/1.75	1.58	79
WLS03	5.00	1.5/2/1.5	1.67	83
WLS04	1.00	2.25/2.5/2.5	2.42	121
WLS04	2.00	3/3/3.25	3.08	154
WLS04	2.50	3/2.75/3	2.92	146
WLS04	3.00	1.5/1.75/1.5	1.58	79
WLS04	4.00	1.75/1.5/1.75	1.67	83
WLS04	5.00	2.25/2.25/1.5	2.00	100

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Table summarising Standard Penetration Test (SPT) results

Location	Start Depth (m)					Penetration (mm)	
		Seating 1-2	Main 1-4	Total Seating	Total Main	Total Seating	Total Main
WLS01	1.00	1/2	2/2/3/4	3	11	150	300
WLS01	2.00	0/0	0/0/0/0	0	0	150	300
WLS01	3.00	3/4	3/4/4/5	7	16	150	300
WLS01	4.00	3/3	4/4/4/5	6	17	150	300
WLS01	5.00	3/3	3/4/4/4	6	15	150	300
WLS02	1.00	4/4	4/5/6/7	8	22	150	300
WLS02	2.00	4/5	5/6/6/8	9	25	150	300
WLS02	3.00	7/6	7/7/8/8	13	30	150	300
WLS02	4.00	5/5	5/6/7/7	10	25	150	300
WLS02	5.00	7/7	7/7/9/9	14	32	150	300
WLS03	1.00	3/4	4/4/5/6	7	19	150	300
WLS03	2.00	4/5	6/7/7/7	9	27	150	300
WLS03	3.00	4/4	4/5/6/7	8	22	150	300
WLS03	4.00	3/3	5/4/6/6	6	21	150	300
WLS03	5.00	4/5	5/5/6/7	9	23	150	300
WLS04	1.00	3/4	4/4/6/7	7	21	150	300
WLS04	2.00	3/4	5/6/6/7	7	24	150	300
WLS04	3.00	4/5	6/6/7/8	9	27	150	300
WLS04	4.00	5/5	5/7/7/8	10	27	150	300
WLS04	5.00	4/4	4/5/6/6	8	21	150	300

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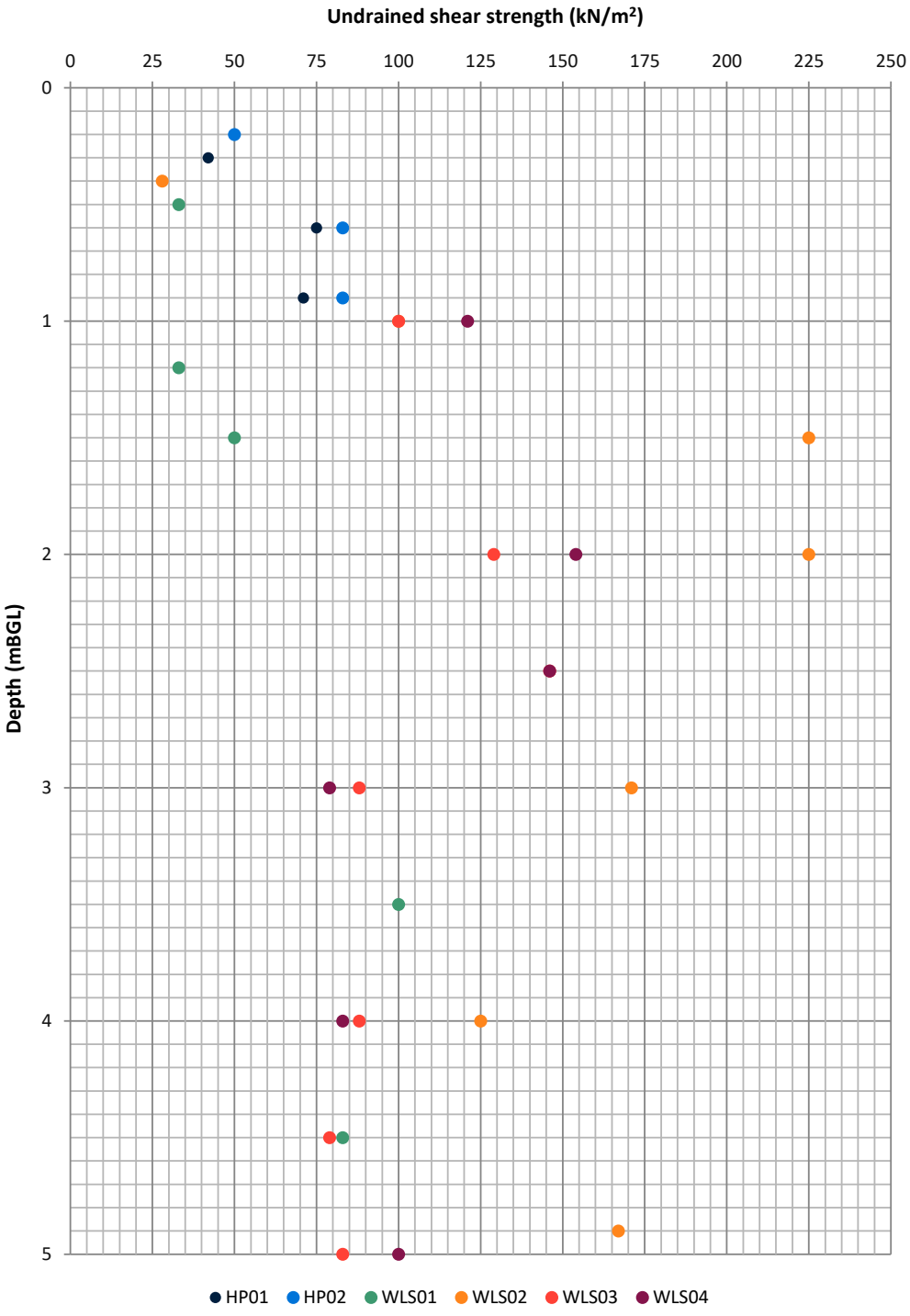
Plot summarising Pocket Penetrometer results versus depth filtered by location



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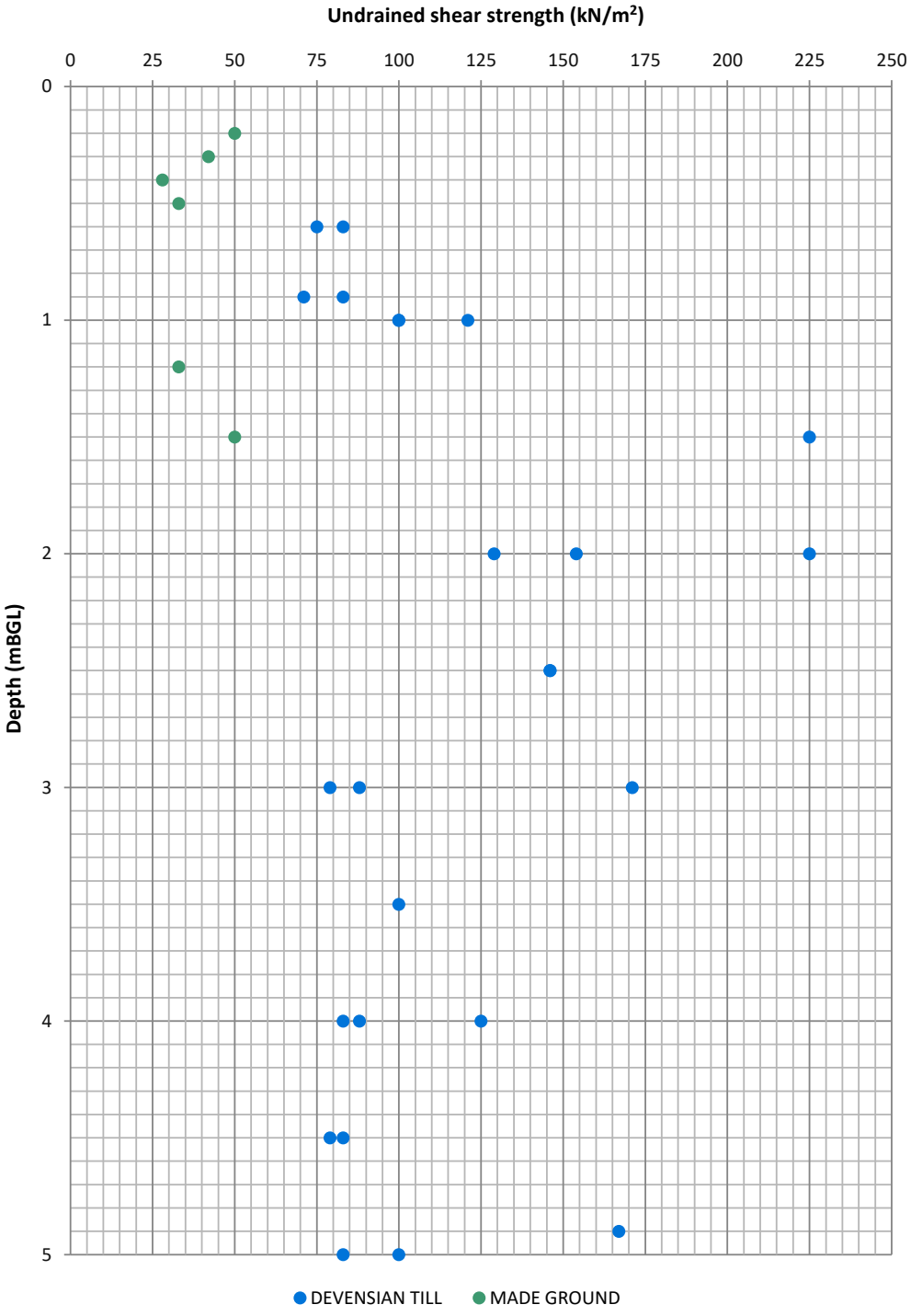
Plot summarising Pocket Penetrometer results versus depth filtered by geology



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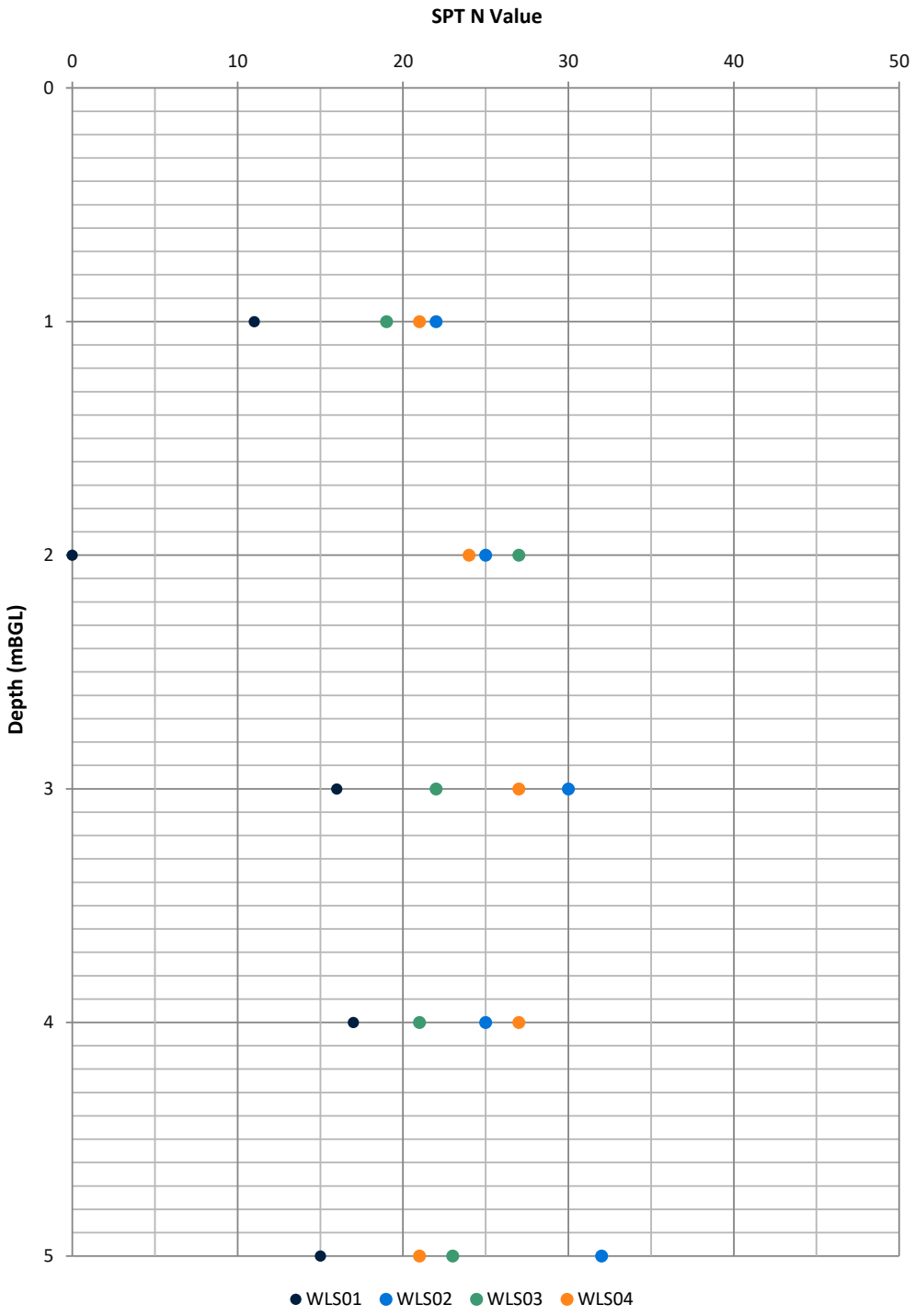
Plot summarising Standard Penetration Test (SPT) results versus depth filtered by location



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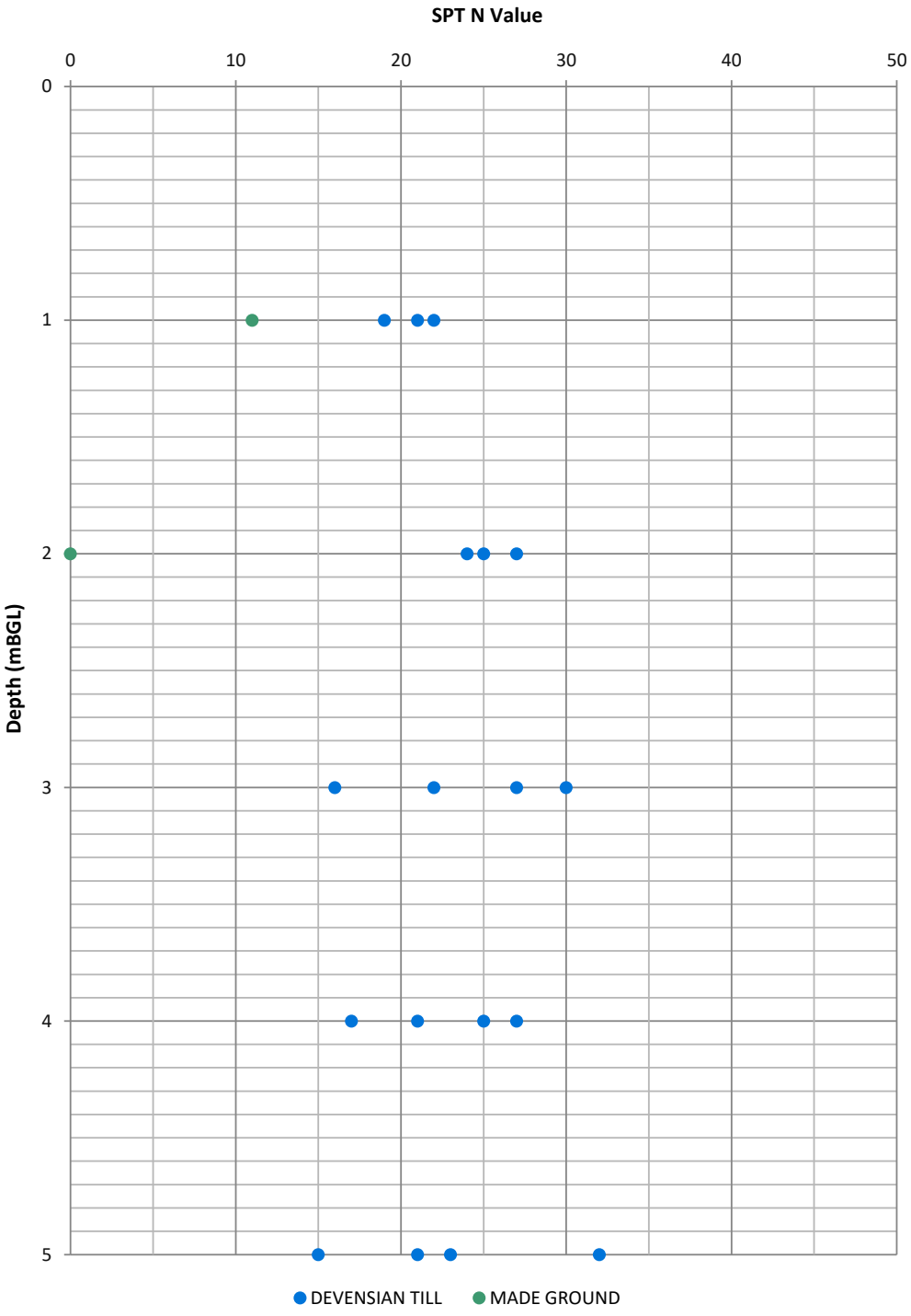
Plot summarising Standard Penetration Test (SPT) results versus depth filtered by geology



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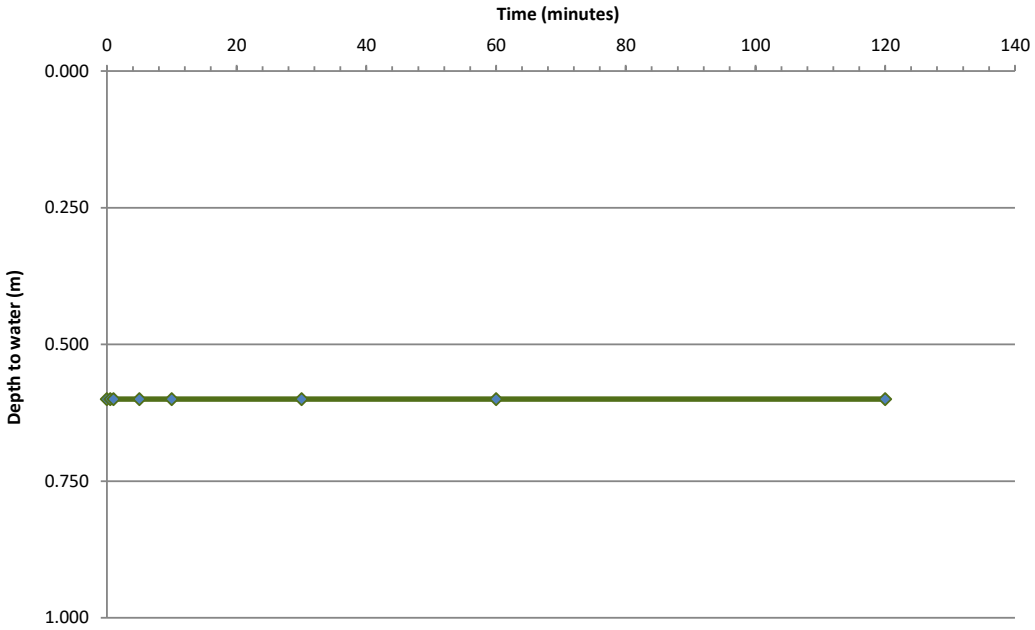
Soil infiltration test (following BRE Digest 365 2016)

Location	Cycle	Test date	Plan dimensions (m)
HP01	1	25/11/2025	0.35 x 0.35

Groundwater observations (at time of excavation)
0.95

Depth of pit at start (m)	Depth of pit at end (m)	Strata Tested
1	1	DEVENSIAN TILL



Insufficient infiltration over 120 minutes of monitoring therefore unable to calculate soil infiltration rate.

Appendix E Geotechnical Laboratory Test Results

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3.14, 5.5, Fall Cone Method, 1 Pt Test, BS 1377-2:2022, cl 5.3, 6

4041

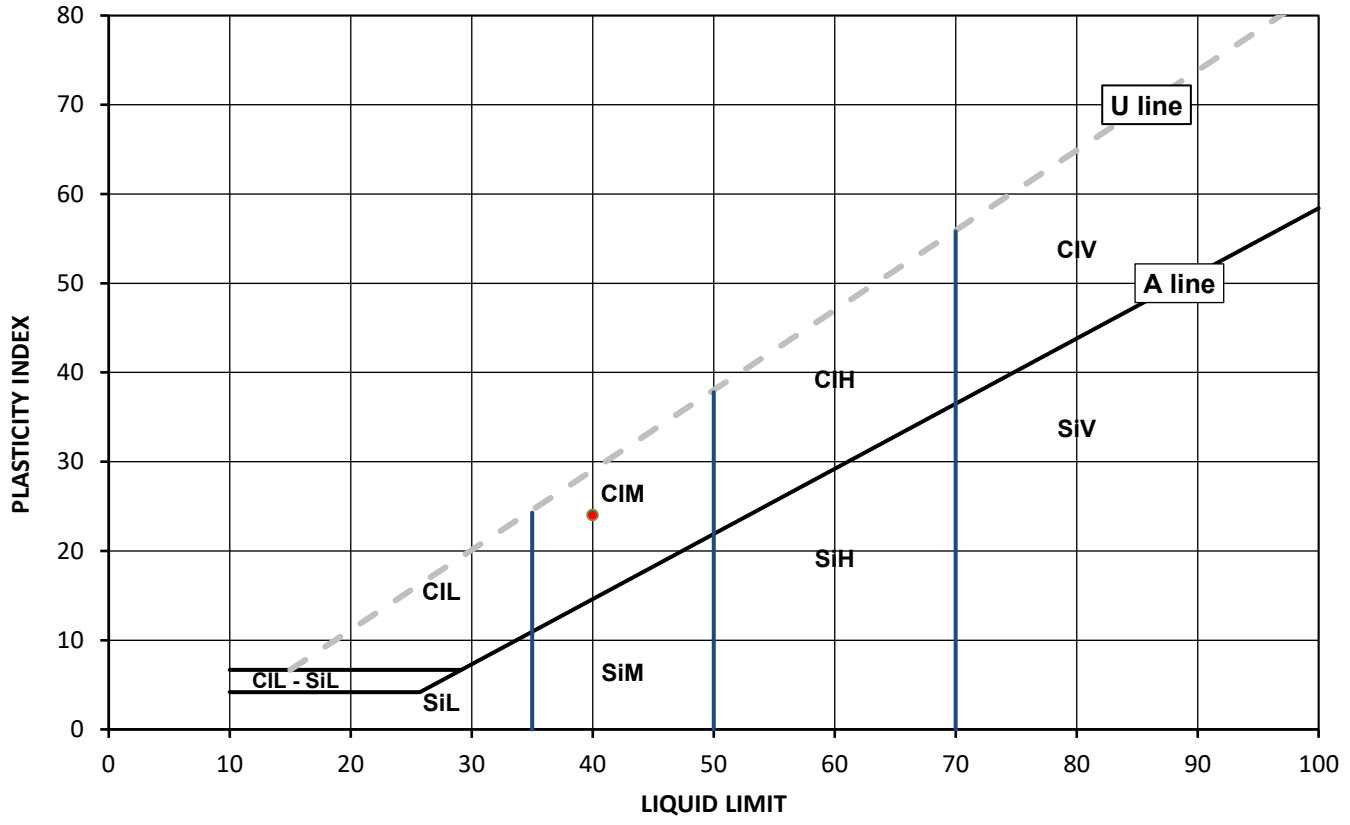
Client:	Soiltechnics Limited	Client Reference:	STX7134
Client Address:	Cedar Barn, White Lodge, Walgrave, Northampton, NN6 9PY	Job Number:	25-064786-1
		Date Sampled:	25/11/2025
		Date Received:	01/12/2025
Contact:	Admin	Date Tested:	10/12/2025
Site Address:	Brian Memorial Playing Field, Longridge	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	766963	Depth Top [m]:	0.80
Hole No.:	HP03	Depth Base [m]:	Not Given
Sample Reference:	HP030.803	Sample Type:	D
Sample Description:	Brown sandy CLAY		
Sample Preparation:	Tested in natural condition;		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Corrected Liquid Limit [WL] %	Correlation Factor	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity index [IL] % #	Consistency index [IC] % #	% Passing 425µm BS Test Sieve
19.8	40	1.023	16	24	0.17	0.83	100



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN 17892-1:2014+A1:2022, BS 1377-2:2022; Correlation Factor by Clayton C.R.I and Jukes A.W (1978); # Non accredited

Remarks:

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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 Date Reported: 18/12/2025 **GF 360.15**

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3.14, 5.5, Fall Cone Method, 1 Pt Test, BS 1377-2:2022, cl 5.3, 6

4041

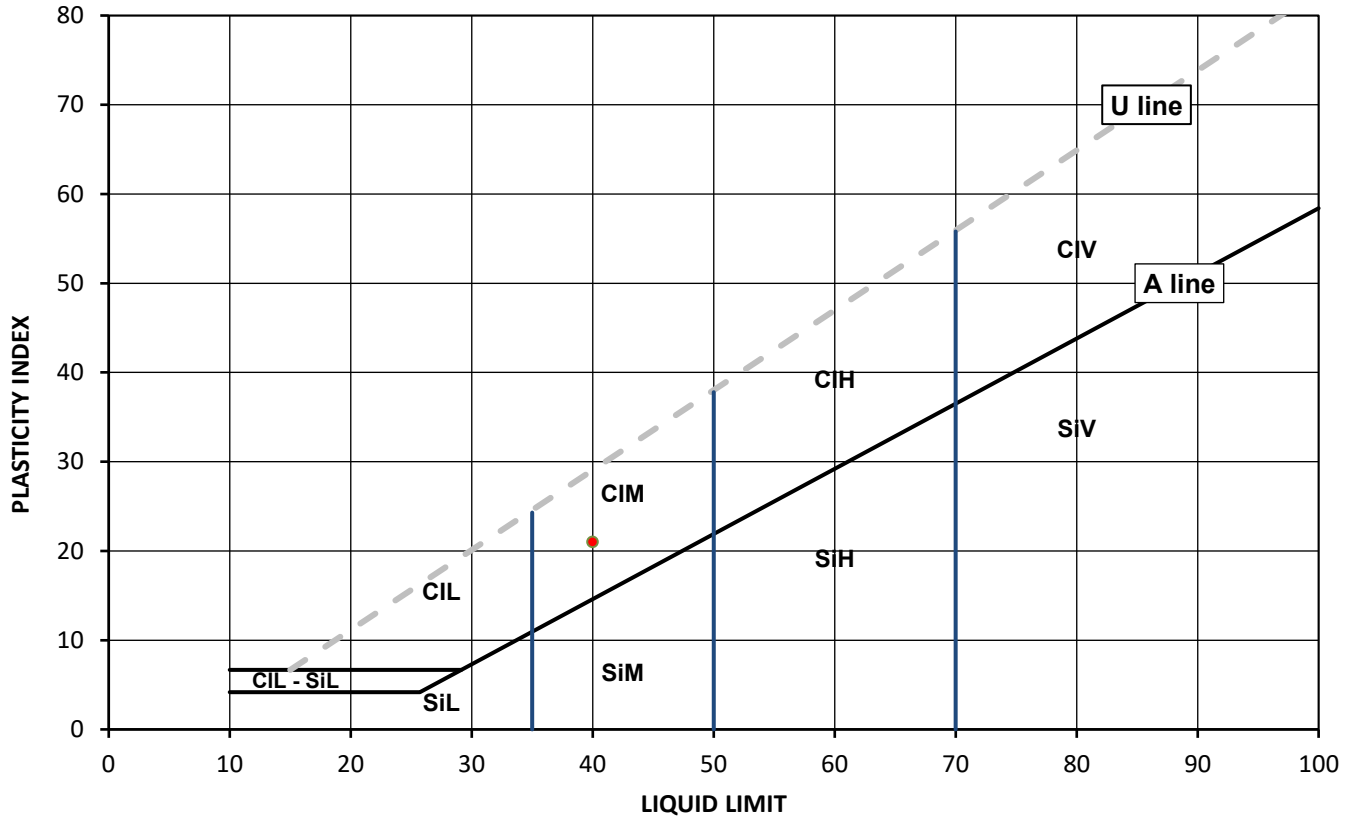
Client:	Soiltechnics Limited	Client Reference:	STX7134
Client Address:	Cedar Barn, White Lodge, Walgrave, Northampton, NN6 9PY	Job Number:	25-064786-1
		Date Sampled:	25/11/2025
		Date Received:	01/12/2025
Contact:	Admin	Date Tested:	10/12/2025
Site Address:	Brian Memorial Playing Field, Longridge	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	766964	Depth Top [m]:	1.60
Hole No.:	WLS01	Depth Base [m]:	Not Given
Sample Reference:	WLS011.604	Sample Type:	D
Sample Description:	Brown slightly gravelly sandy CLAY		
Sample Preparation:	Tested after >0.425 mm removed by hand;		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Corrected Liquid Limit [WL] %	Correlation Factor	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity index [IL] % #	Consistency index [IC] % #	% Passing 425µm BS Test Sieve
26.2	40	1.058	19	21	0.33	0.67	97



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
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Note: Water Content by BS EN 17892-1:2014+A1:2022, BS 1377-2:2022; Correlation Factor by Clayton C.R.I and Jukes A.W (1978); # Non accredited

Remarks:

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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 Date Reported: 18/12/2025 **GF 360.15**