TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 08/01/2018

0998

Contract	**Charlie Ratchford's, Camden**
Serial No.	**S32347**

Client:

Richard Jackson Limited

847 The Crescent
Colchester
Essex
CO4 9YQ

Soil Property Testing Ltd

15, 16, 18 Halcyon Court, St Margaret's Way,
Stukeley Meadows, Huntingdon,
Cambridgeshire, PE29 6DG

Tel: 01480 455579
Email: enquiries@soilpropertytesting.com
Website: www.soilpropertytesting.com

Samples Submitted By:

Richard Jackson Limited

Samples Labelled:

Charlie Ratchford's, Camden

Approved Signatories:

- ☑ **J.C. Garner B.Eng (Hons) FGS** — Technical Director
- ☐ **S.P. Townend FGS** — Quality Manager
- ☐ **W. Johnstone** — Materials Lab Manager
- ☐ **D. Sabnis** — Operations Manager

Date Received: 21/12/2017

Samples Tested Between: 21/12/2017 **and** 08/01/2018

Remarks:

For the attention of Katherine Brightwell
Your Reference No: 47707

Notes:

1. All remaining samples or remnants from this contract will be disposed of after 21 days from today, unless we are notified to the contrary.

2. (a) UKAS - United Kingdom Accreditation Service
   (b) Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

3. Tests marked "NOT UKAS ACCREDITED" in this test report are not included in the UKAS Accreditation Schedule for this testing laboratory.

4. This test report may not be reproduced other than in full except with the prior written approval of the issuing laboratory.

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ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 08/01/2018

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Contract	**Charlie Ratchford's, Camden**		
Serial No.	**S32347**	**Target Date**	12/01/2018
Scheduled By	Richard Jackson Limited		

SCHEDULE OF LABORATORY TESTS

Schedule Remarks

Bore Hole No.	Type	Sample Ref.	Top Depth	Water Content BSEN / Liquid/Plastic Limits																				Sample Remarks
BH1	D	3	3.70	1	1																			
BH1	D	7	5.70	1																				
BH1	D	9	7.70	1																				
BH1	D	11	9.00	1																				
BH1	D	13	10.90	1	1																			
BH1	D	17	13.60	1																				
BH1	D	19	15.30	1																				
BH1	D	21	17.10	1	1																			
BH1	D	25	19.40	1																				
Totals				**9**	**3**																			**End of Schedule**

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Contract	**Charlie Ratchford's, Camden**
Serial No.	**S32347**

SUMMARY OF WATER CONTENT

Borehole /Pit No.	Depth (m)	Type	Ref.	Water Content (%)	Description	Remarks
BH1	3.70	D	3	**34.3**	Firm orangish brown CLAY with occasional grey mottling, rare fine sand, selenite crystals, and possible decayed roots.	Dried at 80°C due to the presence of selenite.
BH1	5.70	D	7	**31.2**	Stiff fissured yellowish brown CLAY with occasional orangish brown mottling, rare grey mottling, calcareous aggregations and powder, and selenite crystals.	Dried at 80°C due to the presence of selenite.
BH1	7.70	D	9	**30.1**	Stiff dark greyish brown CLAY with occasional brown mottling and selenite crystals, rare dark grey mottling and orange staining.	Dried at 80°C due to the presence of selenite.
BH1	9.00	D	11	**28.1**	Stiff fissured greyish brown CLAY with occasional dark grey and brown mottling, and selenite crystals.	Dried at 80°C due to the presence of selenite.
BH1	10.90	D	13	**27.5**	Stiff dark greyish brown CLAY with occasional orange staining and possible rare selenite.	Dried at 80°C due to the presence of selenite.
BH1	13.60	D	17	**29.9**	Stiff fissured dark greyish brown CLAY with occasional dark grey mottling, rare iron pyrite nodules, and possible selenite crystals.	Dried at 80°C due to the presence of selenite.
BH1	15.30	D	19	**26.9**	Stiff fissured dark greyish brown CLAY with occasional dark grey mottling.	
BH1	17.10	D	21	**30.2**	Stiff dark greyish brown CLAY with occasional dark grey mottling.	
BH1	19.40	D	25	**28.2**	Stiff fissured dark greyish brown CLAY with occasional dark grey mottling.	

Method Of Preparation: BS EN ISO: 17892-1: 2014
Method of Test: BS EN ISO: 17892-1: 2014
Type of Sample Key: U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:

Remarks to Include: Sample disturbance, loss of moisture, variation from test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110C

TEST REPORT

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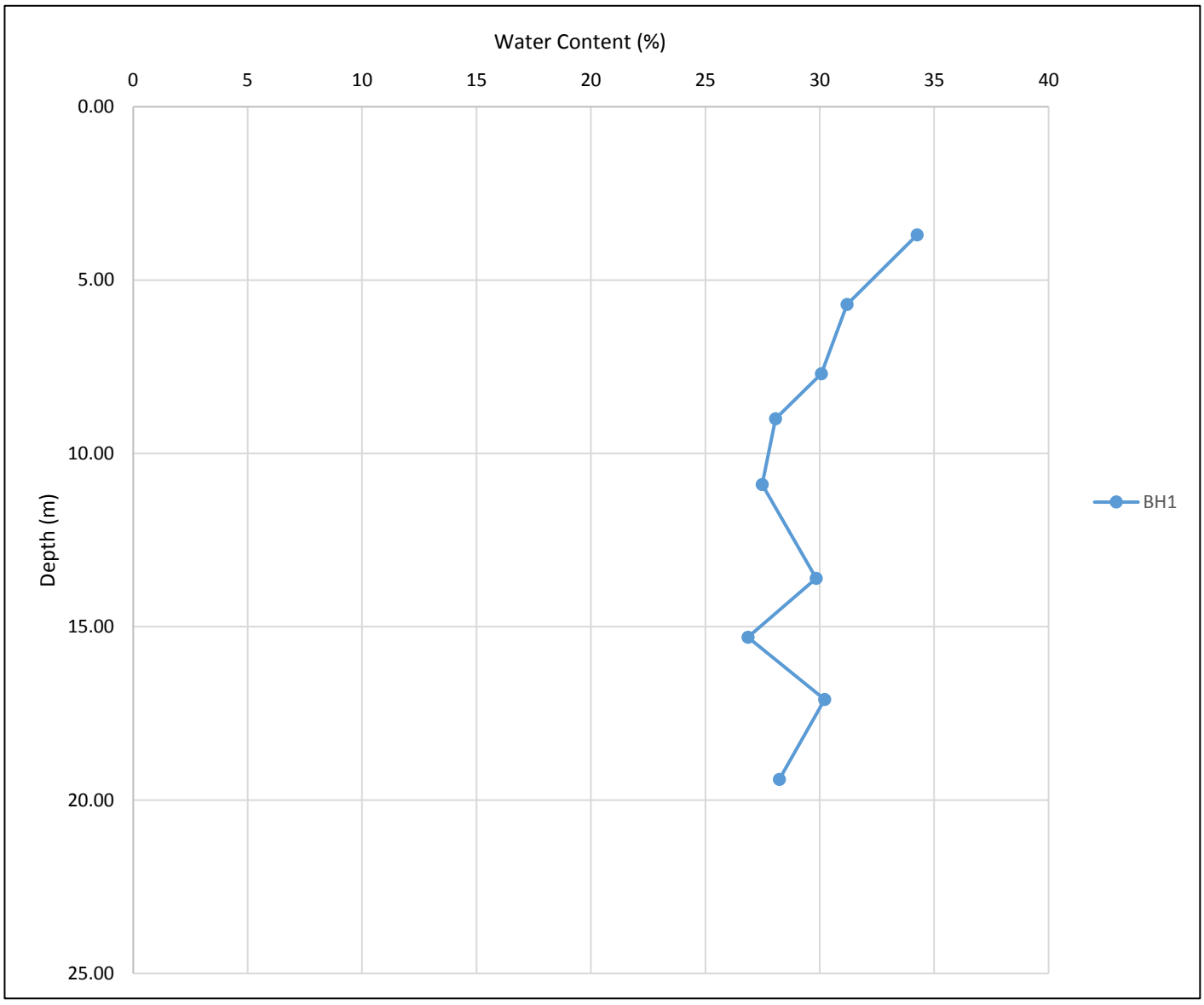
DATE ISSUED: 08/01/2018

0998

Contract	**Charlie Ratchford's, Camden**
Serial No.	**S32347**

WATER CONTENT VS DEPTH BELOW GROUND LEVEL



Method of Preparation:	BSEN ISO 17892-1: 2014
Method of Test:	BSEN ISO 17892-1: 2014
Type of Sample Key:	U - Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	
Remarks to Include:	Sample disturbance, loss of moisture, variation from test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

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Contract	**Charlie Ratchford's, Camden**
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SUMMARY OF WATER CONTENT, LIQUID LIMIT, PLASTIC LIMIT, PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole /Pit No.	Depth (m)	Type	Ref.	Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasti-city Index (%)	Liquid-ity Index (%)	SAMPLE PREPARATION				Description	CLASS
									Method	Ret'd 0.425mm (%)	Corr'd W/C <0.425mm	Curing Time (hrs)		
BH1	3.70	D	3	**34.3**	81	29	52	0.10	From Natural	0 (A)		28	Firm orangish brown CLAY with occasional grey mottling, rare fine sand, selenite crystals, and possible decayed roots.	CV
BH1	10.90	D	13	**27.5**	76	26	50	0.03	From Natural	0 (A)		26	Stiff dark greyish brown CLAY with occasional orange staining and possible rare selenite.	CV
BH1	17.10	D	21	**30.2**	76	27	49	0.07	From Natural	0 (A)		30	Stiff dark greyish brown CLAY with occasional dark grey mottling.	CV

Method Of Preparation: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2:1990:4.2

Method of Test: BS EN ISO: 17892-1: 2014 & BS1377:Part 2:1990:3.2, 4.3, 5.3, 5.4

Type of Sample Key: U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter

Comments:

Remarks to Include: Sample disturbance, loss of water, variation from test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110C

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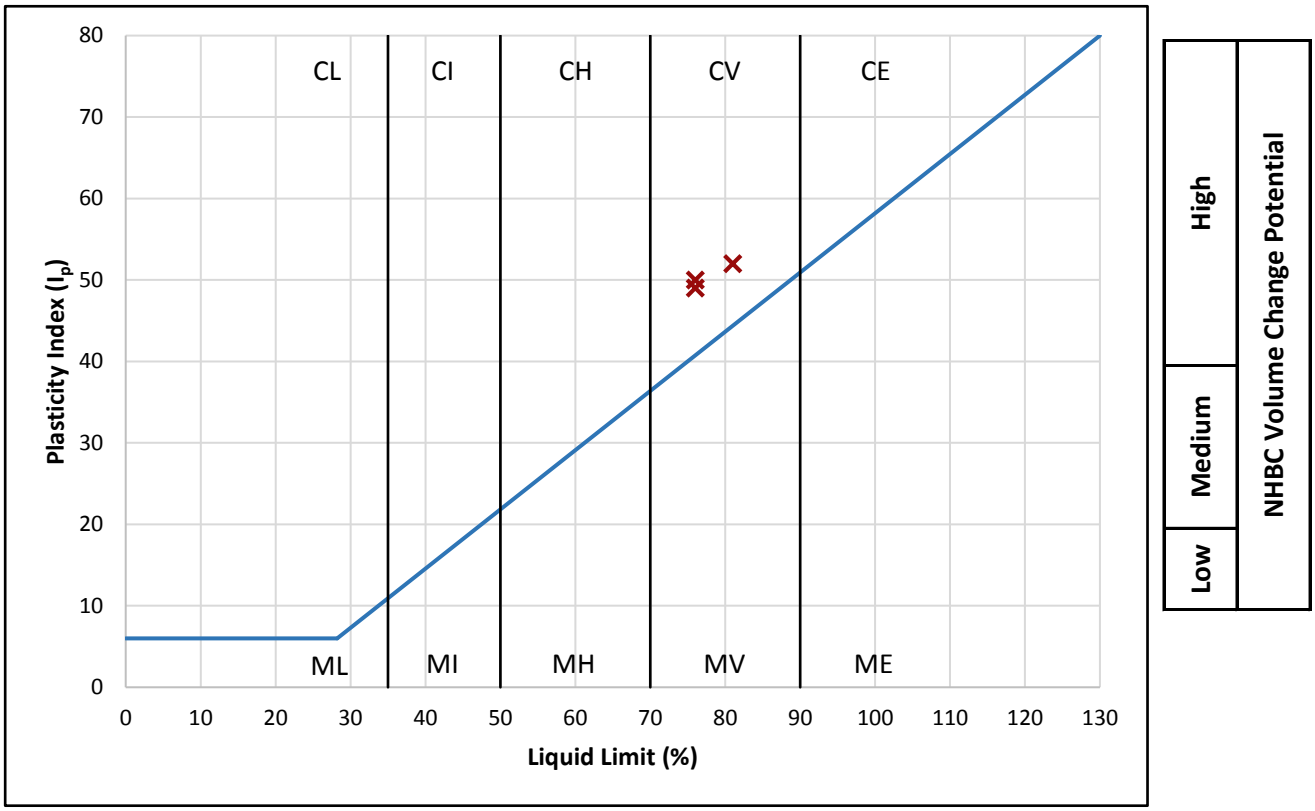
Contract	**Charlie Ratchford's, Camden**
Serial No.	**S32347**

PLOT OF PLASTICITY INDEX AGAINST LIQUID LIMIT USING CASAGRANDE CLASSIFICATION CHART

Plasticity				
Low	Medium	High	Very High	Extremely High



Plasticity Chart BS5930: 2015: Figure 8

Method of Preparation:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2
Method of Test:	BS EN ISO: 17892-1: 2014 & BS1377: Part 2: 3.2, 4.3, 5.3, 5.4
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index

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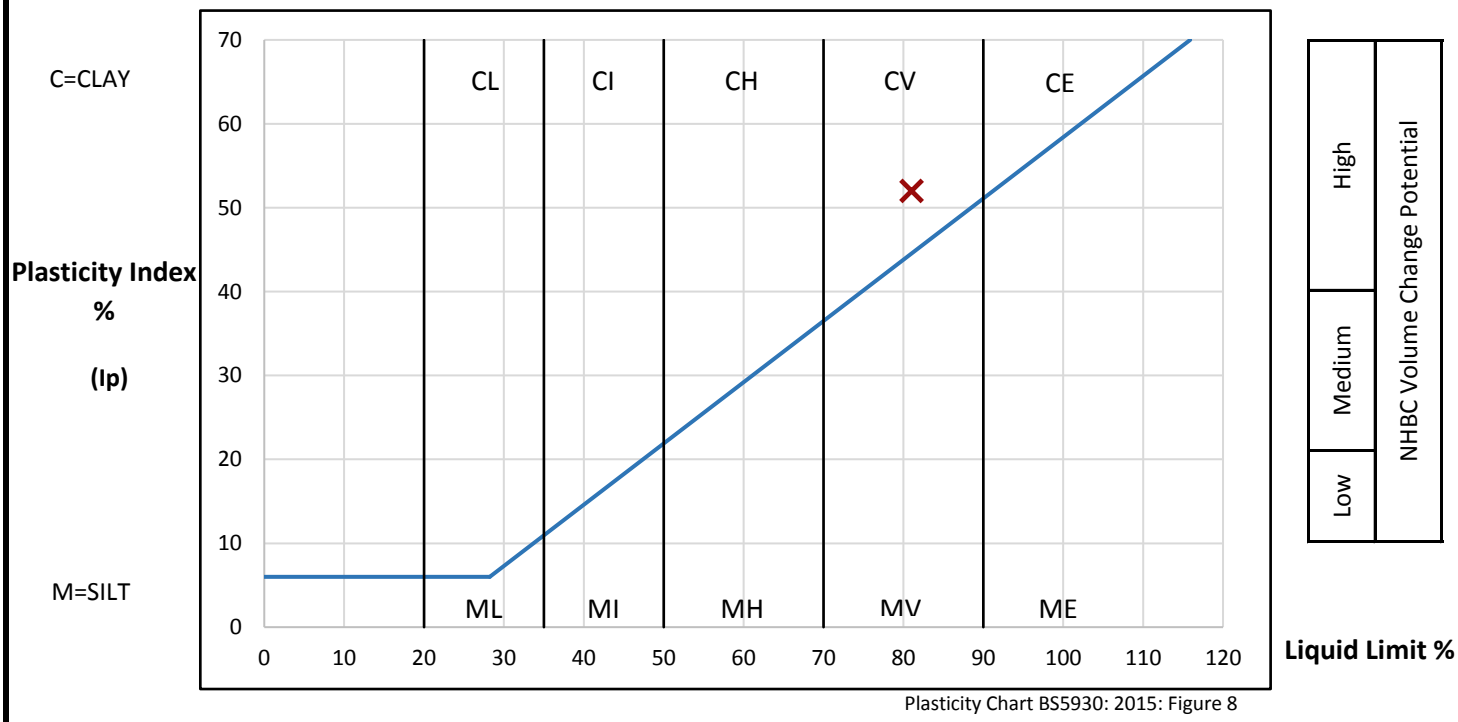
Contract	**Charlie Ratchford's, Camden**
Serial No.	**S32347**

DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample Type	Sample Reference	Water Content (W) %	Description	Remarks
BH1	3.70	D	3	34.3	Firm orangish brown CLAY with occasional grey mottling, rare fine sand, selenite crystals, and possible decayed roots.	Specimen dried at 80°C due to the presence of selenite.

PREPARATION			Liquid Limit	81 %
Method of preparation		From natural	Plastic Limit	29 %
Sample retained 0.425mm sieve	(Assumed)	0 %	Plasticity Index	52 %
Corrected water content for material passing 0.425mm			Liquidity Index	0.10
Sample retained 2mm sieve	(Assumed)	0 %	NHBC Modified (I'p)	n/a
Curing time	28 hrs	Clay Content Not analysed	Derived Activity	Not analysed



Plasticity Chart BS5930: 2015: Figure 8

Method of Preparation:	BS EN ISO: 17892-1: 2014 & BS 1337: Part 2: 1990: 4.2
Method of Test:	BS EN ISO: 17892-1: 2014 & BS1377: PART 2: 1990: 3.2, 4.3, 5.3, 5.4
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	

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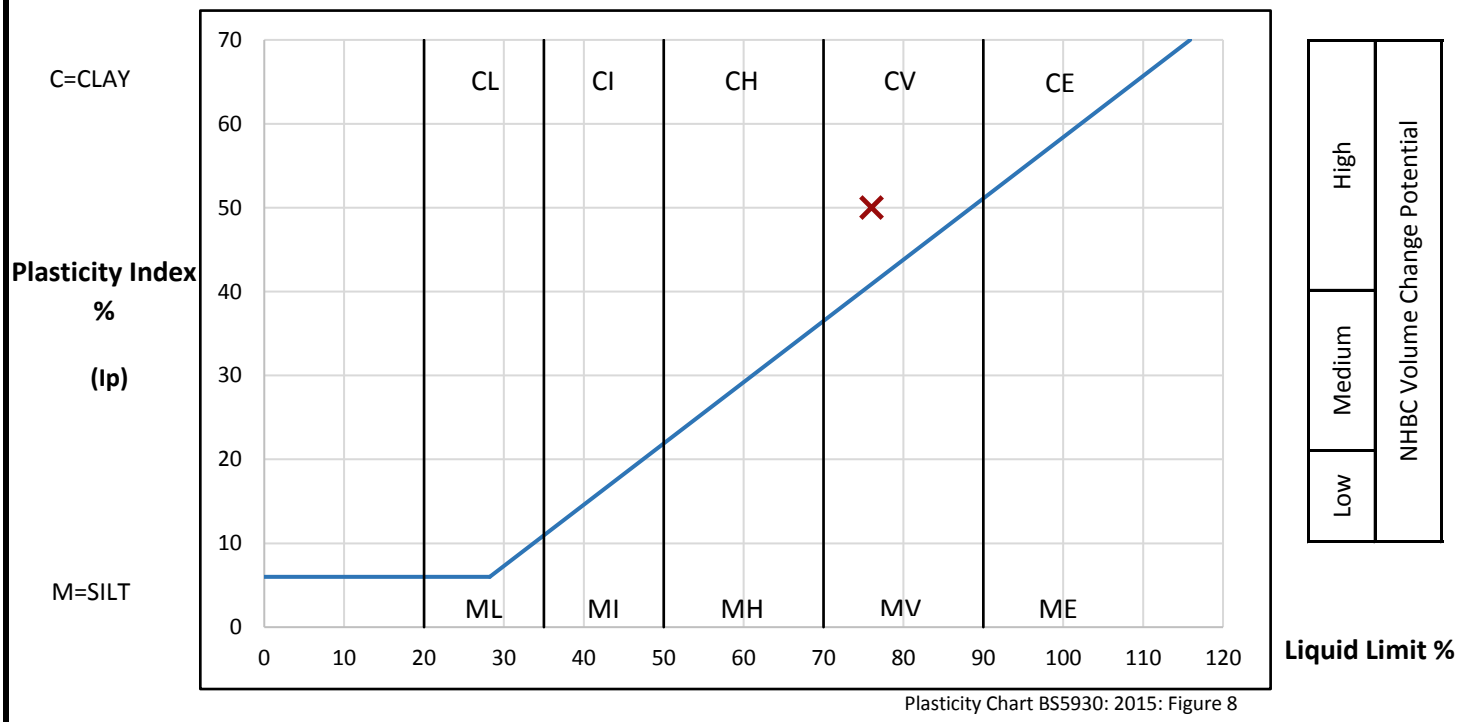
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample Type	Sample Reference	Water Content (W) %	Description	Remarks
BH1	10.90	D	13	27.5	Stiff dark greyish brown CLAY with occasional orange staining and possible rare selenite.	Specimen dried at 80°C due to the presence of selenite.

PREPARATION				Liquid Limit	76 %
Method of preparation		From natural		Plastic Limit	26 %
Sample retained 0.425mm sieve	(Assumed)	0 %		Plasticity Index	50 %
Corrected water content for material passing 0.425mm				Liquidity Index	0.03
Sample retained 2mm sieve	(Assumed)	0 %		NHBC Modified (I'p)	n/a
Curing time	26 hrs	Clay Content	Not analysed	Derived Activity	Not analysed



Plasticity Chart BS5930: 2015: Figure 8

Method of Preparation:	BS EN ISO: 17892-1: 2014 & BS 1337: Part 2: 1990: 4.2
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Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	

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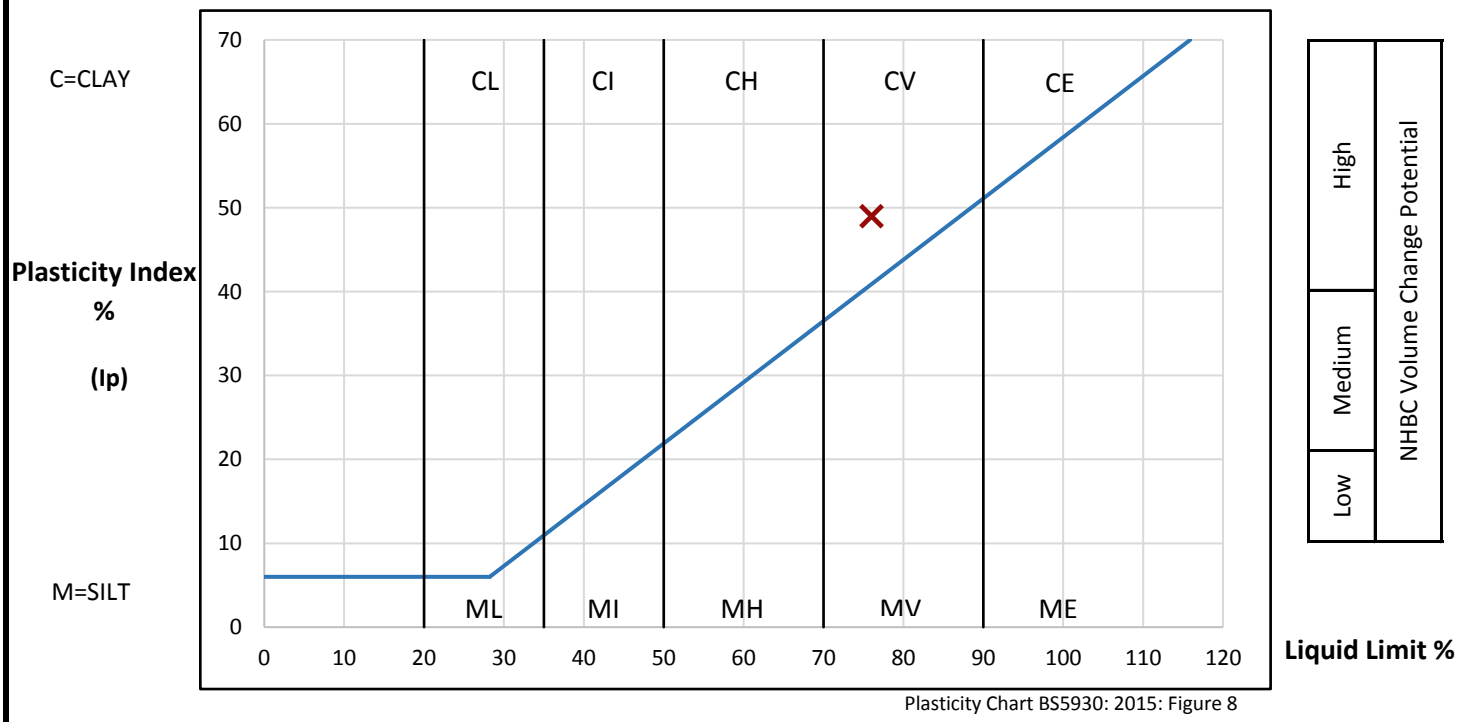
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample Type	Sample Reference	Water Content (W) %	Description	Remarks
BH1	17.10	D	21	30.2	Stiff dark greyish brown CLAY with occasional dark grey mottling.	

PREPARATION				Liquid Limit	76 %
Method of preparation		From natural		Plastic Limit	27 %
Sample retained 0.425mm sieve	(Assumed)	0 %		Plasticity Index	49 %
Corrected water content for material passing 0.425mm				Liquidity Index	0.07
Sample retained 2mm sieve	(Assumed)	0 %		NHBC Modified (I'p)	n/a
Curing time	30 hrs		Clay Content Not analysed	Derived Activity	Not analysed



Plasticity Chart BS5930: 2015: Figure 8

Method of Preparation:	BS EN ISO: 17892-1: 2014 & BS 1337: Part 2: 1990: 4.2
Method of Test:	BS EN ISO: 17892-1: 2014 & BS1377: PART 2: 1990: 3.2, 4.3, 5.3, 5.4
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	

Chemtest
The right chemistry to deliver results
Chemtest Ltd.
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.co.uk

Final Report

Report No.:	17-34240-1
Initial Date of Issue:	08-Jan-2018
Client	Richard Jackson Limited
Client Address:	York House 3 Station Court Great Shelford Cambridgeshire CB22 5NE
Contact(s):	Basil Fagg
Project	47707 Charlie Ratchfords Camden

Quotation No.:		**Date Received:**	22-Dec-2017
Order No.:		**Date Instructed:**	22-Dec-2017
No. of Samples:	6		
Turnaround (Wkdays):	5	**Results Due:**	08-Jan-2018
Date Approved:	08-Jan-2018		

Approved By:

Details: Robert Monk, Technical Manager

Chemtest
The right chemistry to deliver results

Results - Soil

Project: 47707 Charlie Ratchfords Camden

Client: Richard Jackson Limited				**Chemtest Job No.:**	17-34240	17-34240	17-34240	17-34240	17-34240	17-34240
Quotation No.:				**Chemtest Sample ID.:**	558507	558508	558509	558510	558511	558512
Order No.:				Client Sample Ref.:	BH1	BH1	BH1	BH1	BH1	BH1
				Client Sample ID.:	B1	D5	D11	D13	D19	D23
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.40	4.80	9.00	10.90	15.30	18.20
				Bottom Depth (m):	1.70					
				Date Sampled:	19-Dec-2017	19-Dec-2017	20-Dec-2017	20-Dec-2017	20-Dec-2017	20-Dec-2017
Determinand	**Accred.**	**SOP**	**Units**	**LOD**						
Moisture	N	2030	%	0.020	11	19	18	17	17	17
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones, Brick	NONE	NONE	NONE	NONE	NONE
Soil Texture	N	2040		N/A	Sand	Clay	Clay	Clay	Clay	Clay
pH	M	2010		N/A	9.7	8.2	8.0	8.3	8.6	8.5
Magnesium (Water Soluble)	N	2120	g/l	0.010		0.11	0.10	0.049	< 0.010	
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.20	0.87	0.97	0.49	0.20	0.26
Total Sulphur	M	2175	%	0.010		0.77	0.50	0.64	0.31	
Chloride (Water Soluble)	M	2220	g/l	0.010		0.074	0.062	0.068	0.061	
Nitrate (Water Soluble)	N	2220	g/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	
Ammonium (Water Soluble)	M	2120	g/l	0.01		< 0.01	< 0.01	< 0.01	< 0.01	
Sulphate (Acid Soluble)	M	2430	%	0.010		0.62	0.89	0.23	0.067	

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	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 <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measuremernt 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"

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
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 TPH, BTEX, VOCs, SVOCs, PCBs, Phenols
For all other tests the samples were dried at < 37°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

Sample Deviation Codes

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 - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 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

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

TEST DATE AND CONDITIONS		
Date	07/09/17	
Atmospheric Pressure	993	mB
Ambient Temperature	22.7	°C
Environics Serial No.	5089	

GFM430 Final Inspection & Calibration Check Certificate

GAS DATA LTD
Pegasus House
Seven Stars Estate
Wheler Rd
Coventry
CV3 4LB
Tel 02476303311 Fax 02476307711

Customer	Richard Jackson
Certificate Number	119579
Order Number	317553

Serial Number	10820
Software Version	G430-00.0024/0013

Recalibration DUE Date
07/09/18

Instrument Checks					
Keyboard	✓		Display Contrast	✓	
Pump Flow In	400	*Accept > 200 cc/min*	Pump Flow @ -200mB	200	*Accept > 200 cc/min*
Clock Set / Running	✓		Labels Fitted	✓	

Gas Checks						
Sensor	CH_4		CO_2		O_2	
	Instrument Gas Readings %	True Gas Value %	Instrument Gas Readings %	True Gas Value %	Instrument Gas Readings %	True Gas Value %
	60	*60*	40	*40*	20.9	*20.9*
	Accept ±3.0		*Accept ±3.0*		*Accept ±0.5*	
	5	*5*	5	*5*	6	*6*
	Accept ±0.3		*Accept ±0.3*		*Accept ±0.3*	
Zero Reading 100% N2	0	*0*	0	*0*	0	*0*
	Accept ±0.0		*Accept ±0.0*		*Accept ±0.1*	

Pressure Checks						
Atmospheric Pressure [AP] *(mB)*				Static Pressure [SP] *(mB)*		
Current Atmospheric Pressure *(mB)*	Instrument Atmospheric Pressure Reading *(mB)*			Applied Pressure *(mB)*	Instrument Pressure *(mB)*	
All Ports	*Open Ports*	993	*Accept ±2.0*	*0.0mB*	N/A	*Accept ±0.0*
AP Port (Internal)	*+800 mB*	801	*Accept ±5.0*	*+50mB*	N/A	*Accept ±2.0*
AP Port (Internal)	*+1200mb*	1200	*Accept ±5.0*	*-100mB*	N/A	*Accept ±2.0*

Flow Checks					
Borehole Flow			Differential Pressure		
Applied Reading *(l/h)*	Instrument Reading *(l/h)*		Applied Pressure *(Pa)*	Instrument Reading *(Pa)*	
-30	**-29.2**	*Accept ±3.0*	-406	**-400**	*Accept ±50*
-3	**-2.8**	*Accept ±1.0*	-17	**-15**	*Accept ±6.0*
0	**0**	*Accept ±0.0*	0	**0**	*Accept ±0.5*
3	**3**	*Accept ±0.5*	18	**18**	*Accept ±3.0*
30	**29.7**	*Accept ±3.0*	442	**439**	*Accept ±50*
60	**59.2**	*Accept ±6.0*	1385	**1365**	*Accept ±130*
90	**84.9**	*Accept ±9.0*	>>>>>	>>>>>	*Accept ±250*

Temperature Checks		
Calibration Temperature Applied Temperature °C	Instrument Temperature Reading °C	
-10	**-10**	*Accept ±2.0*
0	**0**	*Accept ±1.0*
30	**30**	*Accept ±1.0*
60	**60**	*Accept ±1.0*
100	**100**	*Accept ±1.0*

Technician:	Date Tested:
Jack Rutland	*08/09/17*

The instrument identified by the serial number stated above has been tested by Gas Data personnel for calibration accuracy on the date and under the ambient conditions stated. Gas Data Ltd internal BS EN ISO9001:2015 compliant workshop procedures were followed to apply known calibration test gases, gas flow rates, pressures and temperatures of the values stated. The results displayed on the instrument at each stage are recorded above.

Gas Data Ltd is certified to BS EN ISO9001:2015. Certificate NQA 8374. Valid until 22/03/2019

TEST DATE AND CONDITIONS	
Date	7.9.17
Atmospheric Pressure	993 mB
Ambient Temp	22.7 °C
Environics Serial No.	5089

GAS DATA LTD
Pegasus House
Seven Stars Estate
Wheler Rd
Coventry
CV3 4LB
Tel 02476303311 Fax 02476307711

GFM430 -1 OUTWARD INSPECTION & QUALITY CHECK SHEET

INSTRUMENT DETAILS			
SO Number	Instrument Type	Instrument Serial Number + SW Version	Job Number(s)
317553	GFM430	10820 C430-00.0024/0013	119579

Calibration Technician ..... **Date** 7.9.17

Inspection Technician ..... **Date** 8-9-17

INSTRUMENT CHECKS		Pass (P), Fail (F) or not applicable (NA)	INSTRUMENT PACKING LIST		Tick if included
Function Tests	Dust Caps Fitted	P	Instrument		✓
	Keyboard Test (All Keys)	P	Leather Case		✓
	Backlight	P	Instrument Strap		✓
	Clock Set / Running	P	AC Battery Charger (UK)		✓
	Comms Test	P	AC Battery Charger (EURO)		X
	Pump Flow Test (In & Out)	P	AC Battery Charger (US)		X
	Overall Leak Test (30mB)	N/A	AC Battery Charger (AUS)		X
	Battery Charge Test	P	Gas Sample Pipe		X
	Service Date set to?	7.9.18	Carry Case		X
Channel Test	Data Logging Enabled?	✓	Spares Pot		X
	Verify CH4/LEL	P	Allen Key		X
	Verify CO2	P	Flow Sample Pipe		X
	Verify O2	P	Temperature Probe		X
	Verify LEL	P	Vane Anemometer		X
	Verify 1st Option Gas	N/A	USB Cable		X
	Verify 2nd Option Gas	N/A	USB Memory stick		X
	Verify 3rd Option Gas	N/A	SiteMan Software	Ver 4.15	X
	Verify 4th Option Gas	N/A	Internal Filter Pack	Qty	X
	Verify Atmospheric pressure	P	External Filter Pack	Qty	X
	Verify static pressure	N/A	Field Guide		X
	Verify differential pressure	P	Operation Manual (hard copy)		X
	Verify flow	P	Extra Items:		
	Verify temperature probe input	P			
	Verify vane anemometer input	P			
DataBase Checks	Jobcard(s) completed and signed	P			
	Jobcard(s) booked off database	P			
	Calibration certificate completed	P			
	Complete & print QI record	N/A	Comments:		
Label Checks	No. of Calibration label fitted	GDC 58212			
	Warranty label fitted	N/A			
	H2S Range from Sales Order	N/A			
	H2S Range from Cal Cert	N/A			
	Over-range value correct?	N/A			

shawcity
Be sure. Be safe

CERTIFICATE OF CALIBRATION
MiniRAE 2000

CALIBRATION CERTIFICATE NO: 61790

ISSUED BY: SHAWCITY LIMITED
DATE: 18.09.17

APPROVED SIGNATORY

NAME: Matthew Jordison

CUSTOMER: Richard Jackson Ltd
INSTRUMENT: MiniRAE 2000
SERIAL NUMBER: 110-006049

CALIBRATION METHOD: CM03
AMBIENT CONDITIONS: 20°C ± 2°C and 50% (± 20%) RH

Prior to calibration the instrument was allowed to stabilise in the laboratory for at least 30 minutes.
The instrument was calibrated by exposing the sensor to known values of gas concentrations.
All gases were sampled through the complete probe and in line filter, where applicable.
The reference value is that generated by the certified source and the indicated value is that measured by the instrument.

CALIBRATION RESULTS

GAS	LOT No	REF. VALUE	INDICATED VALUE
Isobutylene	170262	100 ppm	101 ppm

COMMENTS:
The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k=2$.
This provides a level of confidence of uncertainty of approximately 95%.
The uncertainty of measurement is ±2 %.
The results indicate that the instrument conforms to the applicable parts of the published specification.

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www.shawcity.co.uk
Instrument House, 91-92 Shrivenham Hundred Business Park
Watchfield, Oxfordshire, SN6 8TY
Fax: 01793 784466
service@shawcity.co.uk

#47707 – Charlie Ratchford Extra Care Site, Crogsland Road, London Borough of Camden

Limitations of Investigation

This report is based on the results of the exploratory boreholes, the laboratory testing carried out on samples recovered from those boreholes and on details of the scheme provided by the Client.

This report has been prepared for the benefit of Galliford Try Partnerships South East, and its contents should not be relied upon by others without the written authority of Richard Jackson Ltd. If any unauthorised third party makes use of this report they do so at their own risk and Richard Jackson Ltd owes them no duty of care or skill.

All information provided by others is taken as being in good faith as being accurate, but Richard Jackson Ltd cannot, and does not, accept any liability for the detailed accuracy, errors or omissions in such information.

Subsoils are by their nature hidden from view and no investigation can be exhaustive to the extent that all soil conditions are revealed. Conditions may well be present beneath the site which was not evident from the investigations carried out.

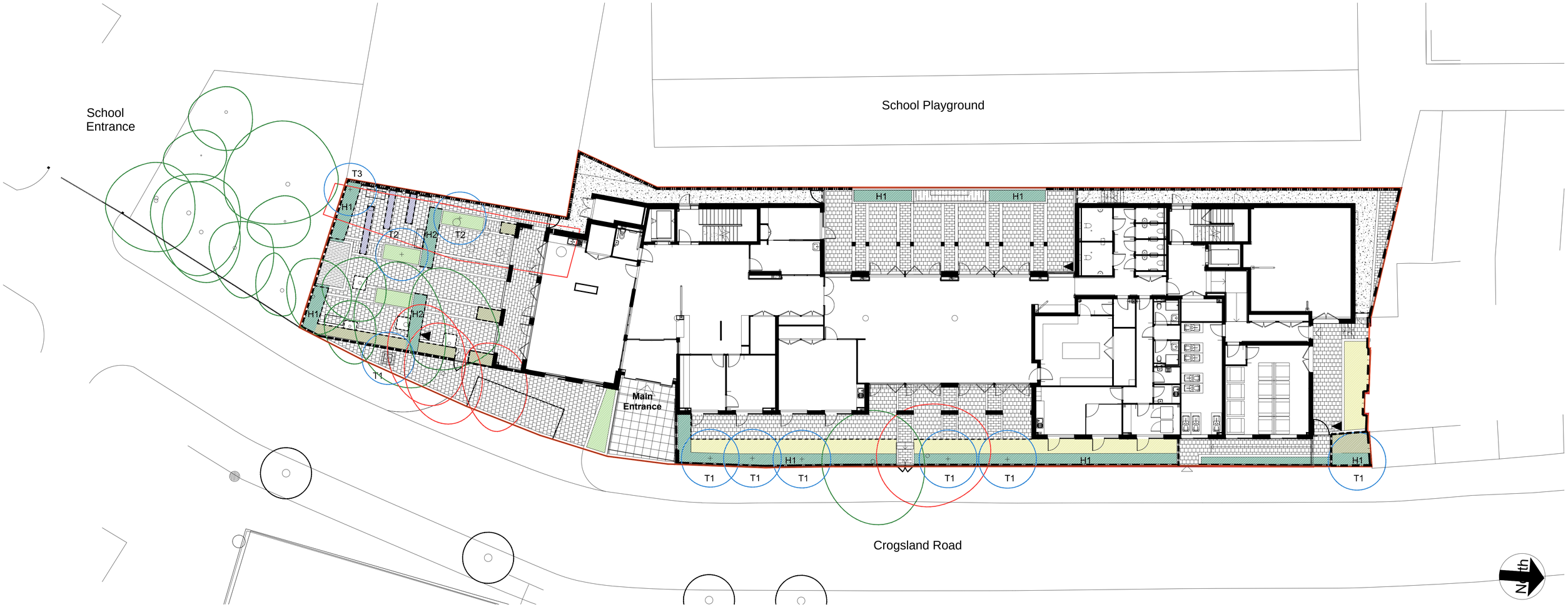
Geological data, with the exception of geological maps held by Richard Jackson Ltd, Ordnance Survey maps and aerial photographs have not been inspected, nor has any other data relating to site conditions past or present, or any information regarding underground services, other than as indicated.

Groundwater levels can be subject to considerable seasonal variations, and the conditions encountered in the exploratory holes may not reflect long-term conditions.

There can be no guarantee that the samples analysed represent the highest concentrations of contamination present beneath the site. The chemical analysis results have been assessed to standards appropriate at the time of investigation.

Unless a greater period of retention of samples is agreed, it is our normal practice to discard all samples one month after submission of our final report.

APPENDIX 4 - Drawing AA4796-3003



APPLICATION BOUNDARY

SOFT MATERIALS PALETTE

Existing trees / Vegetation

Proposed trees

Removed trees

Indicative Planting Schedule

PROPOSED TREES

Species	Girth	Ht	Specification
T1 - Tilia tomentosa 'Brabant'	20-25cm		5X; Semi-mature; RB; Clear Stem min. 200
T2 - Magnolia denudata	Specimen	3m+	Multi-stem/CG
T3 - Amelanchier alnifolia 'Obelisk'		275-300cm	3X; Multi-stem; RB; 3 stems minimum

HEDGES

Species	Height	Pot Size	Specification
H1 - Buxus sempervirens	40-60cm	5L	Bushy:C:Plant in staggered rows@mas 0.45m centre
H2 - Ilex crenata	40-60cm	5L	Bushy:RB:C:Plant in compact grid@max 0.45m spacing

SHRUB PLANTING

HERBACEOUS PLANTING

GROUND COVER

HERB PARTERRE/CLIMBERS

notes

- The contractor is responsible for checking dimensions, tolerances and references. Any discrepancy to be verified with the Architect before proceeding with the works.
- Where an item is covered by drawings to different scales the larger scale drawing is to be worked to.
- Do not scale drawing. Figured dimensions to be worked to in all cases.

CDM Regulations 2007

ALL current drawings and specifications for the project must be read in conjunction with the Designer's Hazard and Environmental Assessment Record.

CDM 2007

date	rev	revision/author/checker

Note:
All Drawings should be read in conjunction with 'AA4796/2020 Landscape proposal' & 'AA4796/2021 Landscape Tree Removals' drawings.

purpose of issue
Tender

project
Charlie Ratchford Extra Care

drawing
Planting Strategy GA

drawing no
AA4796/3003

rev

drawn AK | checked TD

scale @ A1 1:150 | date May 15

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