



# Geotechnical Survey Report

Issue Date:	October 2020
Risk Address:	15 Sladburys Lane Clacton-on-sea Essex CO15 6NU
Claim Ref:	107232



**Catalyst  
Claims**

Gatehead Business Park  
Delph New Road  
Oldham  
OL3 5DE  
Registered in England No:09166356

Appendix No: 1

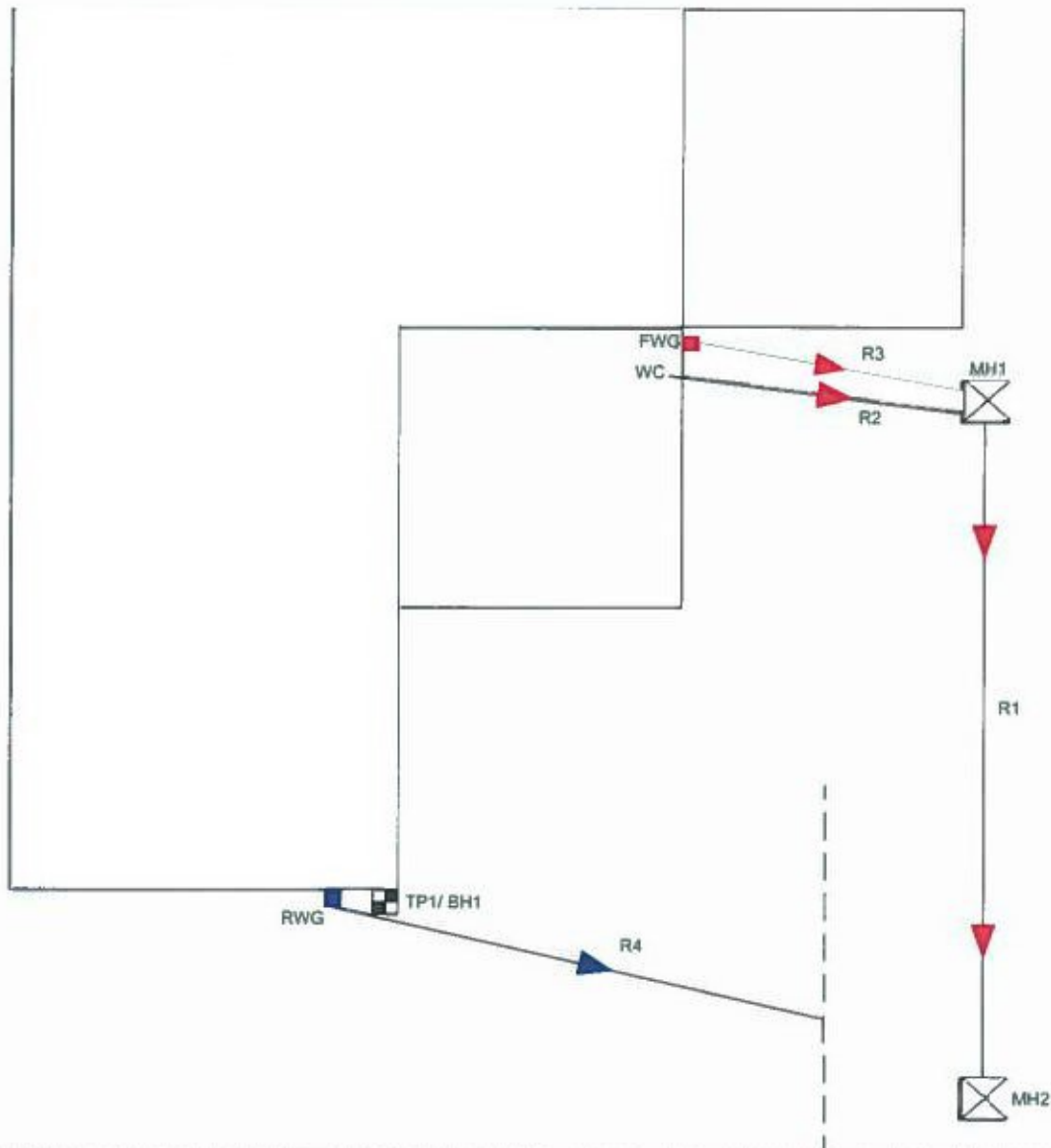
## SITE PLAN

**Property Address:** 15 Sladburys Lane, Clacton-on-sea, Essex, CO15 6NU

**Claim Ref:** 107232

**Survey date:** 05/10/2020

**Operative:** SE3



**Scale:**

NTS

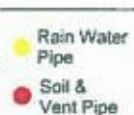
**Drawn by:**

PM

**Key:**



Manholes



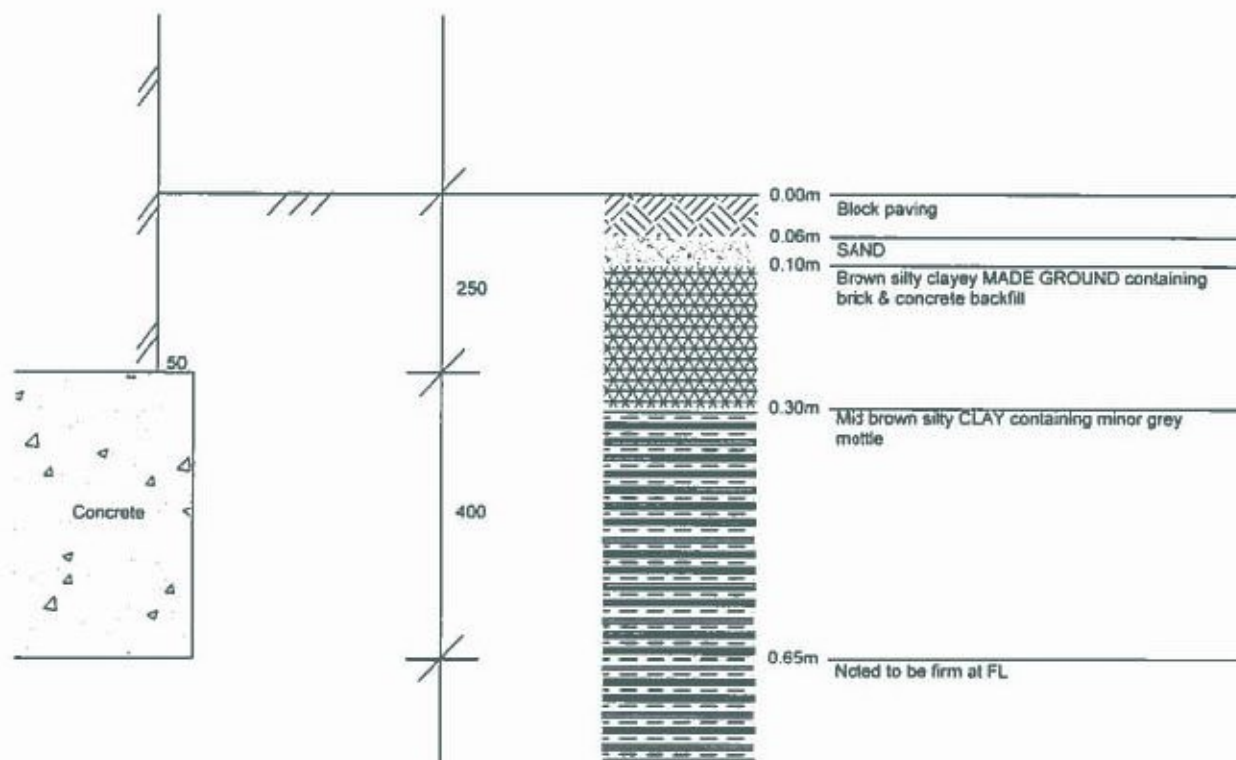
## TRIAL PIT 1

**Property Address:** 15 Sladburys Lane, Clacton-on-sea, Essex, CO15 6NU

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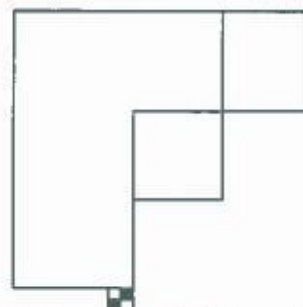
D1 @ F.L. (0.65m)

V = 72-74kPa

Founding strata:

Firm Mid brown silty CLAY containing minor grey mottle

**Trial Pit Location:** ☒ TP1/ BH1




**Drawn by:**

PM










**Scale:**

1:10

D= small disturbed sample, B= large bulk sample, U= undisturbed sample,  
MP= mackintosh probe blow counts, V= shear vane reading (kPa)


		Gatehead Business Park Delph New Road Oldham, OL3 5DE Registration No: 09166356		<h1>Borehole Log</h1>		Borehole No. <b>BH1</b> Sheet 1 of 1	
Project Name: 107232		Project No. 21380		Site Date: 05/10/2020		Hole Type BH	
Location: 15 Sladburys Lane, Clacton-on-sea, Essex, CO15 6NU						Scale 1:17	
Client: Catalyst Claims Management						Logged By SE3	

Water Strikes	Sample and In Situ Testing			Depth (m)	Legend	Stratum Description	
	Depth (m)	Type	Results				
				0.06		Block paving	
				0.10		SAND	
						Brown silty clayey MADE GROUND containing brick & concrete backfill	
				0.30		Foundation Top - 0.25m (Concrete construct, projecting 50mm with 400mm thickness)	
						Mid brown silty CLAY containing minor grey mottle	
	0.65	D	V (kPa) = 72 V (kPa) = 74			Foundation Level - 0.65m Noted to be firm & contain roots from FL to 1.30m	
	1.00	D	V (kPa) = 70 V (kPa) = 74			Noted to contain large sand pockets from 1.40m	
	1.50	D	V (kPa) = 96 V (kPa) = 98			Noted to become firm to stiff at 1.50m	
	2.00	D	V (kPa) = 110 V (kPa) = 112			Noted to become stiff & contain minor claystone pockets at 2.00m	
	2.50	D	V (kPa) = 128 V (kPa) = 130				
	3.00	D	V (kPa) = 140	3.00		End of Borehole at 3.000m	

Key: D - Disturbed Sample    V - Insitu Vane Test    MP - Mackintosh Probe Test	
Remarks: Borehole was closed at 3.00m Borehole was noted to be dry on completion	







Gatehead Business Park

Delph New Road

Oldham, OL3 5DE

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## LABORATORY RESULTS

**Property Address:** 15 Sladburys Lane, Clacton on Sea, Essex, CO15 6NU

**Client Claim Ref:** 107232

### SAMPLE DETAILS

Investigation date: **5th October 2020**  
Sample details: **Bags as received**  
Samples received: **9th October 2020**  
Schedule received: **9th October 2020**  
Samples tested: **9th - 19th October 2020**  
Results reported: **19th October 2020**

### ANALYSIS REQUESTED

Moisture Content	<input checked="" type="checkbox"/>	PSD	<input type="checkbox"/>
Liquid Limit	<input checked="" type="checkbox"/>	Soil Suction	<input checked="" type="checkbox"/>
Plastic Limit	<input checked="" type="checkbox"/>	Shear Strength	<input type="checkbox"/>
Plasticity Index	<input checked="" type="checkbox"/>	Contamination	<input type="checkbox"/>
Root ID	<input checked="" type="checkbox"/>	Root/Tree DNA	<input type="checkbox"/>
Other (please state)			<input type="checkbox"/>

### TEST DETAILS

#### General

Sample descriptions were written in accordance with BS 5930:1999.

Samples were prepared in accordance with BS 1377: Part 1: 1990, section 7

Samples from this contract will be retained for 1 calendar month following the issue of this report unless otherwise notified

Written approval is required from Fastrack Site Investigations Limited to reproduce report in full. The results shown within this report only relate to the samples tested

#### Moisture Content

Samples were tested in accordance with BS 1377: Part 2: 1990, section 3.2 (Oven drying method)

In accordance with Note 1 to paragraph 3.2.4 of BS 1377 Part 2 1990; these moisture contents have been corrected to give the equivalent moisture content of the fraction passing the 425µm sieve, to enable comparison with the liquid & plastic limits. (If condition of test is 'natural' the retained percentage is an estimated value, if condition is 'washed' the percentage is a measured value).

Samples are dried at 105-110°C unless otherwise stated.

#### Atterberg Limits

Samples were tested in accordance with BS 1377: Part 2: 1990, section 4.3 (4 drop LL), 4.4 (1 drop LL), 5.3 (PL) and 5.4 (PI)

Test results on samples with a sand content, may show less accurate results. If condition of test is 'washed' results relate to the fraction passing the 425µm sieve only.

\* Driscoll's rules deem the soil to be desiccated where the moisture content is less than the value calculated using driscoll's rule 1 and/or 2

#### Particle Size Distribution

Samples were tested in accordance with BS 1377: Part 2: 1990 section 9.2 (Wet sieving method)

#### Undrained Shear Strength

Samples were prepared in accordance with BS 1377: Part 7: 1990 section 8.3 and testing in accordance with BS 1377: Part 7: 1990: section 8.4 (undrained shear strength in triaxial compression without measurement of pore pressure (JU))

#### Soil Suction

Samples were prepared and tested based on the BRE digest No. IP4/93 (Corrected). 'A method of determining the state of desiccation in clay soils.' (Filter paper method).

Test results on samples with a sand or silt content, may show less accurate results. Deviation to standard procedure - Polythene bags are not used from weighing filter papers.

# LABORATORY RESULTS

Property Address:

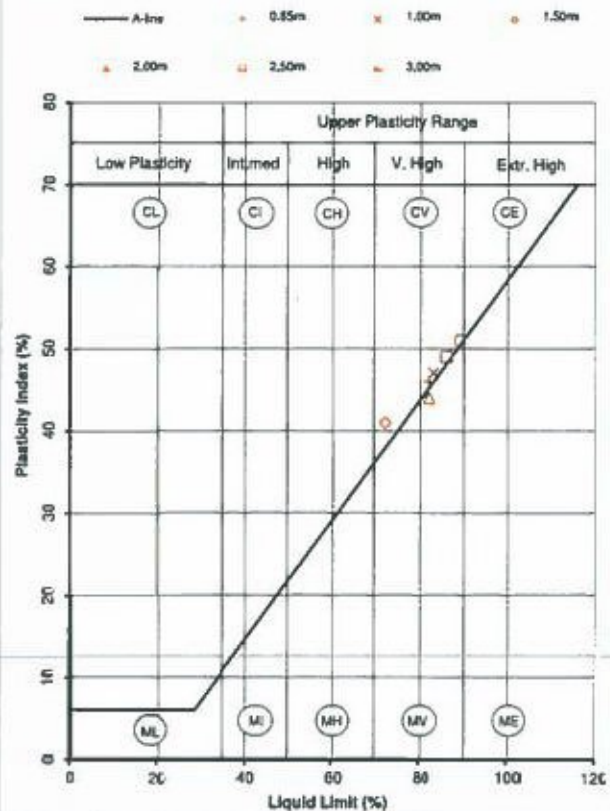
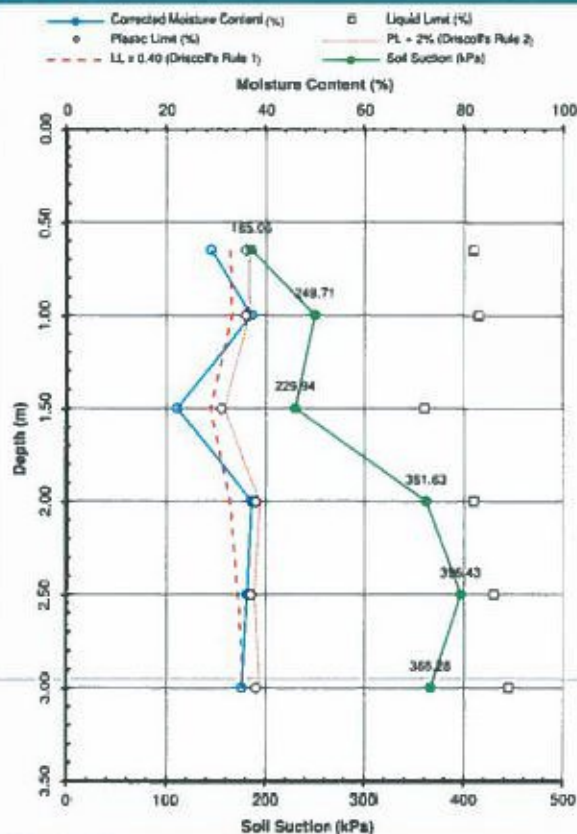
15 Sladburys Lane, Clacton on Sea, Essex, CO15 6NU

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## BOREHOLE 1

Depth (m)	MC (%)	Corr. MC (%)	LL (%)	PL (%)	PI (%)	Class	% Retained (425µm)	Soil Suction (kPa)	Condition of test	Soil Description
0.65	28.9	28.9	82	36	46	CV	0	185.06	Natural	Brown silty, sandy CLAY
1.00	37.1	37.1	83	36	47	CV	0	249.71	Natural	Brown silty, sandy CLAY
1.50	22.1	22.1	72	31	41	CV	0	229.94	Natural	Brown silty, sandy CLAY
2.00	37.2	37.2	82	38	44	MV	0	351.63	Natural	Brown silty, sandy CLAY
2.50	36.3	36.3	86	37	49	CV	0	396.43	Natural	Brown silty, sandy CLAY
3.00	35.2	35.2	89	39	51	CV	0	366.28	Natural	Brown silty CLAY



Comments:



Root identification  
Vegetation surveys  
Tree/Bullding investigations  
Plant taxonomy

# Richardson's Botanical Identifications

Dr Ian B K Richardson  
BSc, MSc, PhD, MRSA, FL S  
James Richardson  
BSc (Hons. Biology)

Enterprise House  
49-51 Whiteknights Road  
Reading  
RG6 7BB

**Catalyst Claims Management Ltd.**  
**Gatehead Business Park**  
**Delph New Road**  
**OLDHAM**  
**OL3 5DE**

05/11/2020

Your ref: 5000-21380

Our ref: 80/8614

Dear Sirs

15 Sladburys Lane, Clacton-on-Sea CO15 6NU

The samples you sent in relation to the above have been examined. Their structures were referable as follows.

## BH1, F.L.-1.0m

4 no.	Examined root: QUERCUS (Oak).	Alive, recently*.
3 no.	Sections of either twig, stem or sucker only - NOT roots. Although examined in our laboratory, they were not identifiable.	
3 no.	Unfortunately all with insufficient cells for identification.	

Click here for more information: [QUERCUS](#)

I trust this is of help. Please call us if you have any queries; our Invoice is enclosed.

Yours faithfully

Dr Ian B K Richardson

\* Based mainly on the iodine test for starch. Starch is present in some cells of a living woody root, but is more or less rapidly broken down by soil micro-organisms on death of the root, sometimes before decay is evident. This result need not reflect the state of the parent tree.

\*\* Try out our web site on [www.botanical.net](http://www.botanical.net) \*\*

Identified with no information on vegetation, on or off site.





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Appendix No: 4

### DRAINAGE SURVEY

**Property Address:** 15 Sladburys Lane, Clacton-on-sea, Essex, CO15 6NU

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**Operative:** SE3

Following your recent instruction we attended the above property and carried out a CCTV camera survey and hydraulic testing of the drainage, in accordance with procedures detailed in the WRc Drain Repair Book.

#### Manhole / Inspection chamber Summary:

Node	Invert Level (m)	Manhole Construction	Pipe Size	Pipe Material	Manhole Condition	Type of Cover	Size of Cover
MH1	0.60	Concrete	100mm	Clay	GOOD	Paved Infill	640x480mm

#### Hydraulic Testing Summary:

Run	From	To	Result	Remarks
1				
2				
3				
4				
5				
6				

#### Serviceability:

1	Is the system failing to discharge normal household flows to the sewer system? (i.e. recurrence of blockage)	Yes
2	Is there evidence of leakage occurring (infiltration or exfiltration)?	Yes
3	Is there intermittent storm-water flooding?	Undetermined
4	Has a hydraulic leakage test failed?	N/A
5	Do observed defects make the drain unserviceable?	Yes

#### Comments:

#### Recommendations for Repair:

Run	Grade	Recommended action
1	B	Line run from MH1 to MH2
2	A	None required
3	A	None required
4	B	Replace gully & 4m of pipe
5		
6		



[illegible]



## PHOTOS

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**Photo 1 (Showing the front of the property)**



**Photo 2 (Showing TP1 before excavation)**



**Photo 3 (Showing TP1 during excavation)**



**Photo 4 (Showing TP1/ BH1 on completion)**

## PHOTOS

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Photo 5 (Showing damage in run 1 at 1.50m)



Photo 6 (Showing damage in run 4 at 0.50m)



## PHOTOS

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Photo 7 (Showing damage in run 4 at 1.5m)



Photo 8 (Showing damage in run 4 at 2.00m)



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Section: 1

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Photo 9 (Showing damage in run 4 at 3.5m)