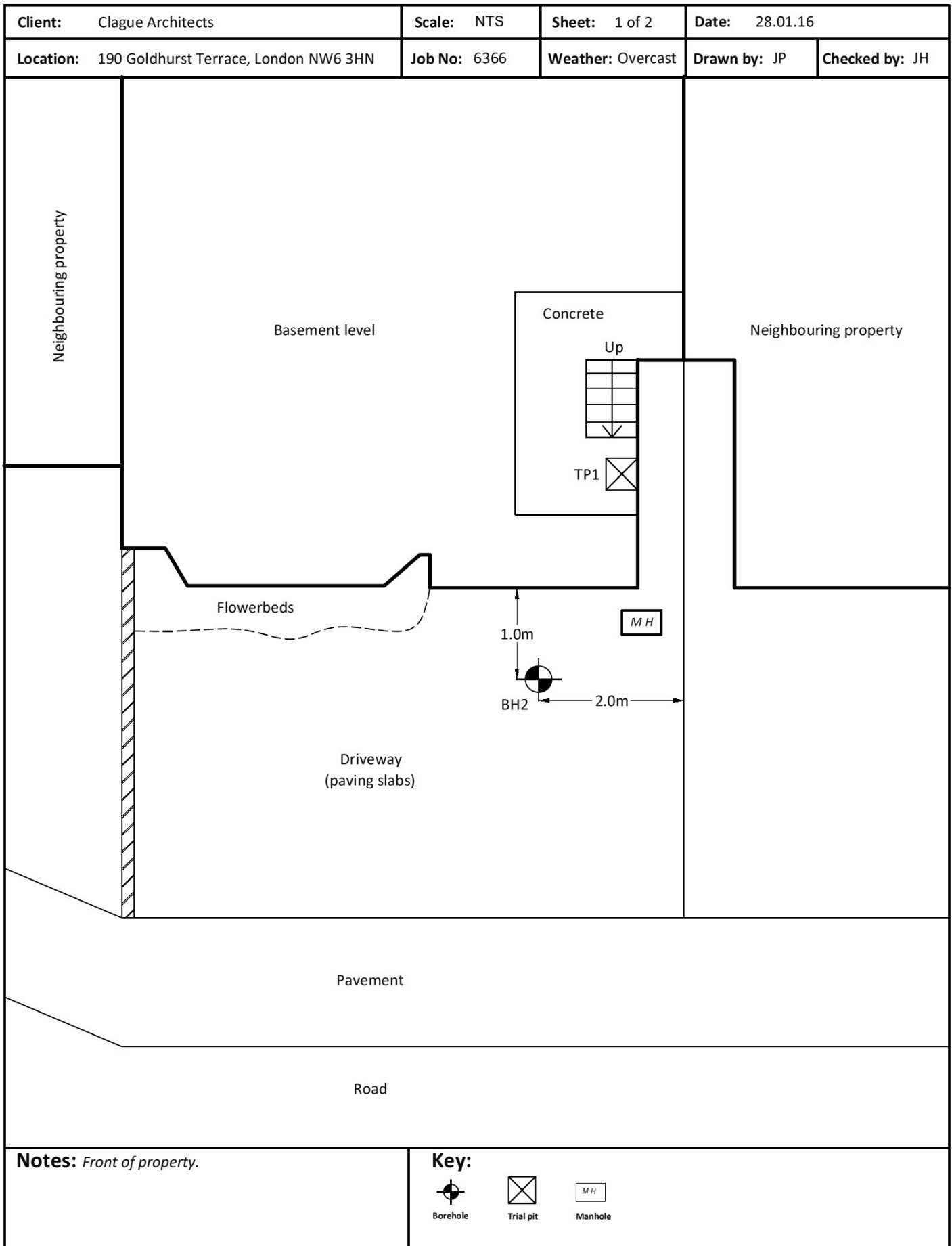
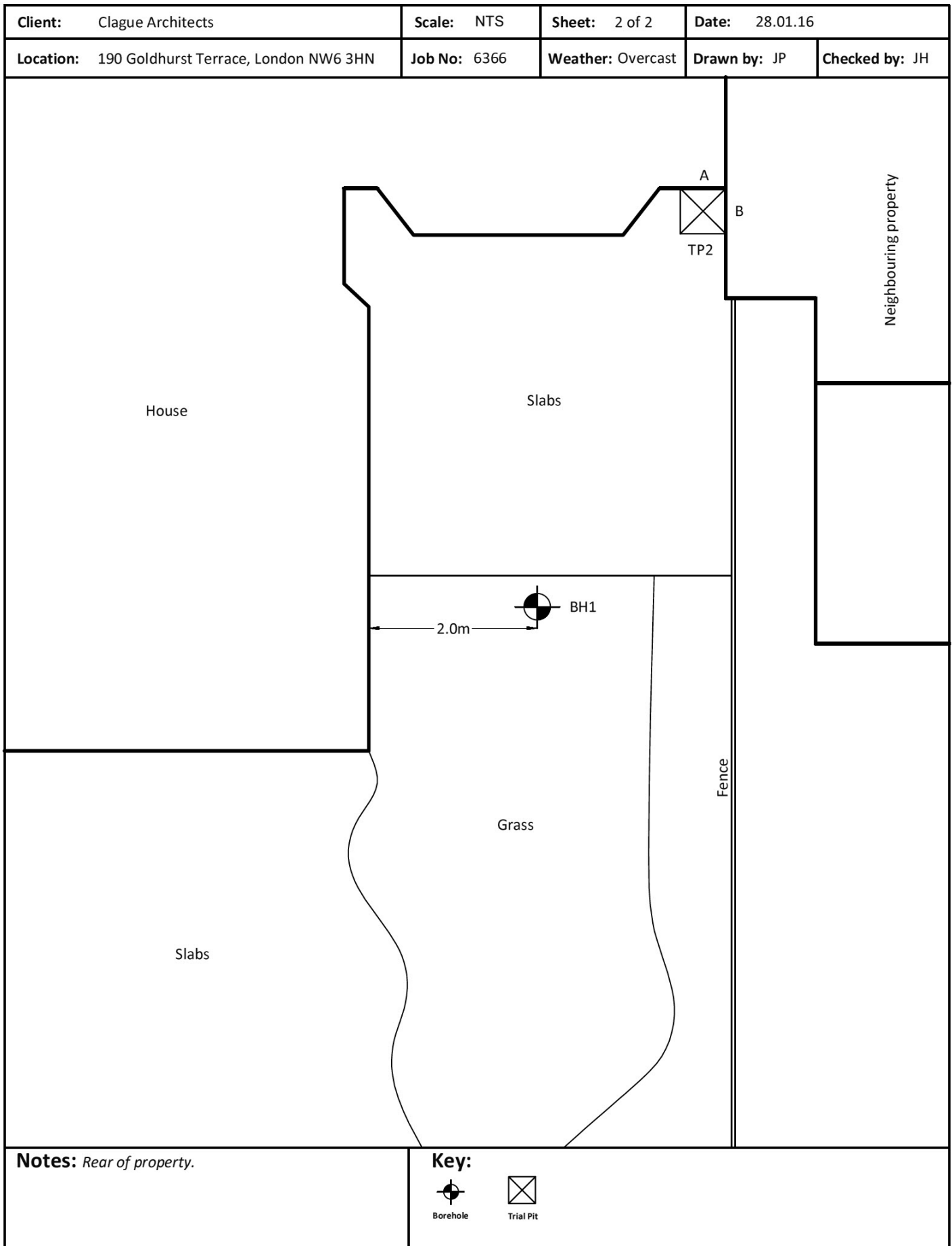
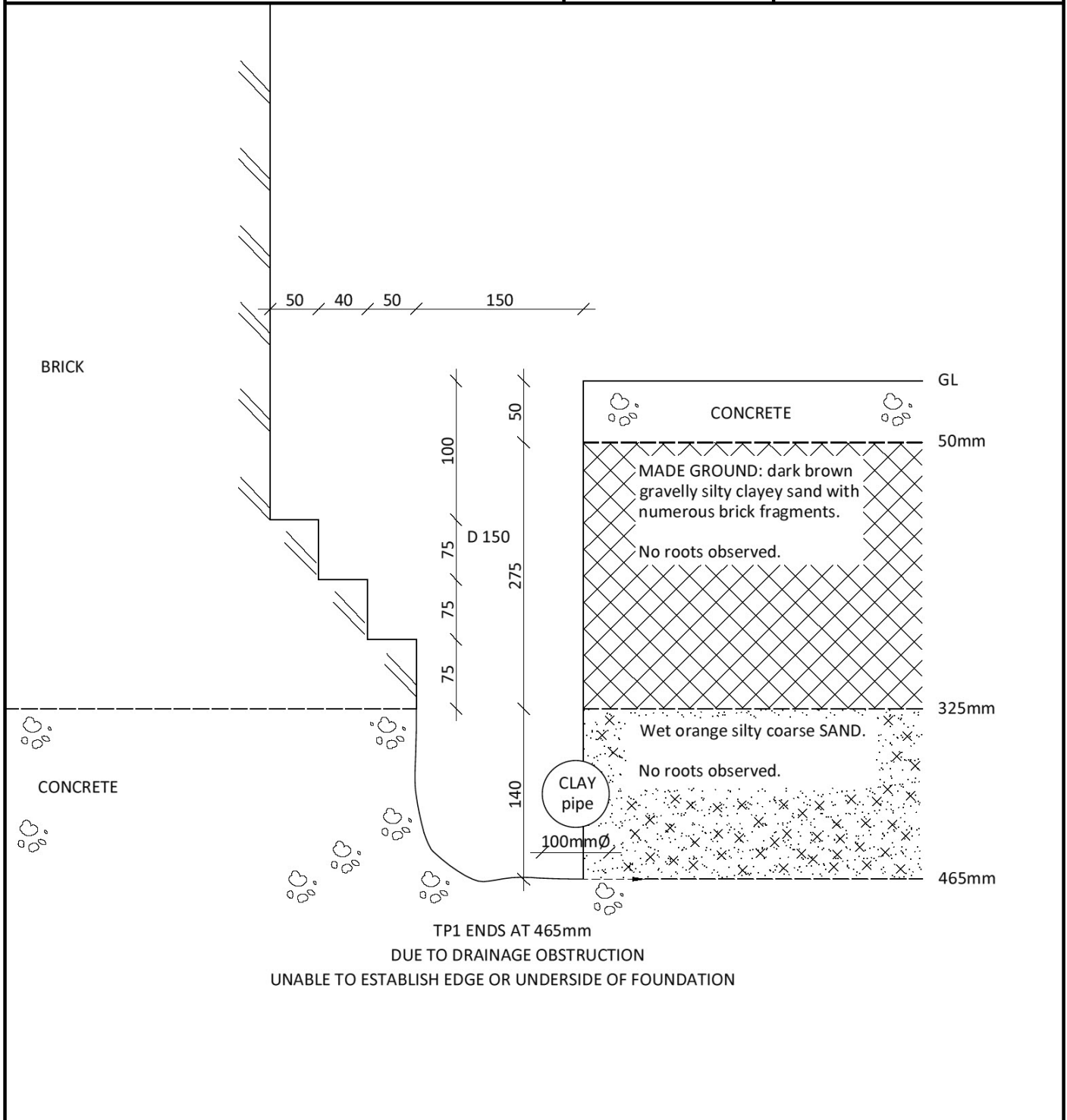


Appendix 4 Site Investigation Data



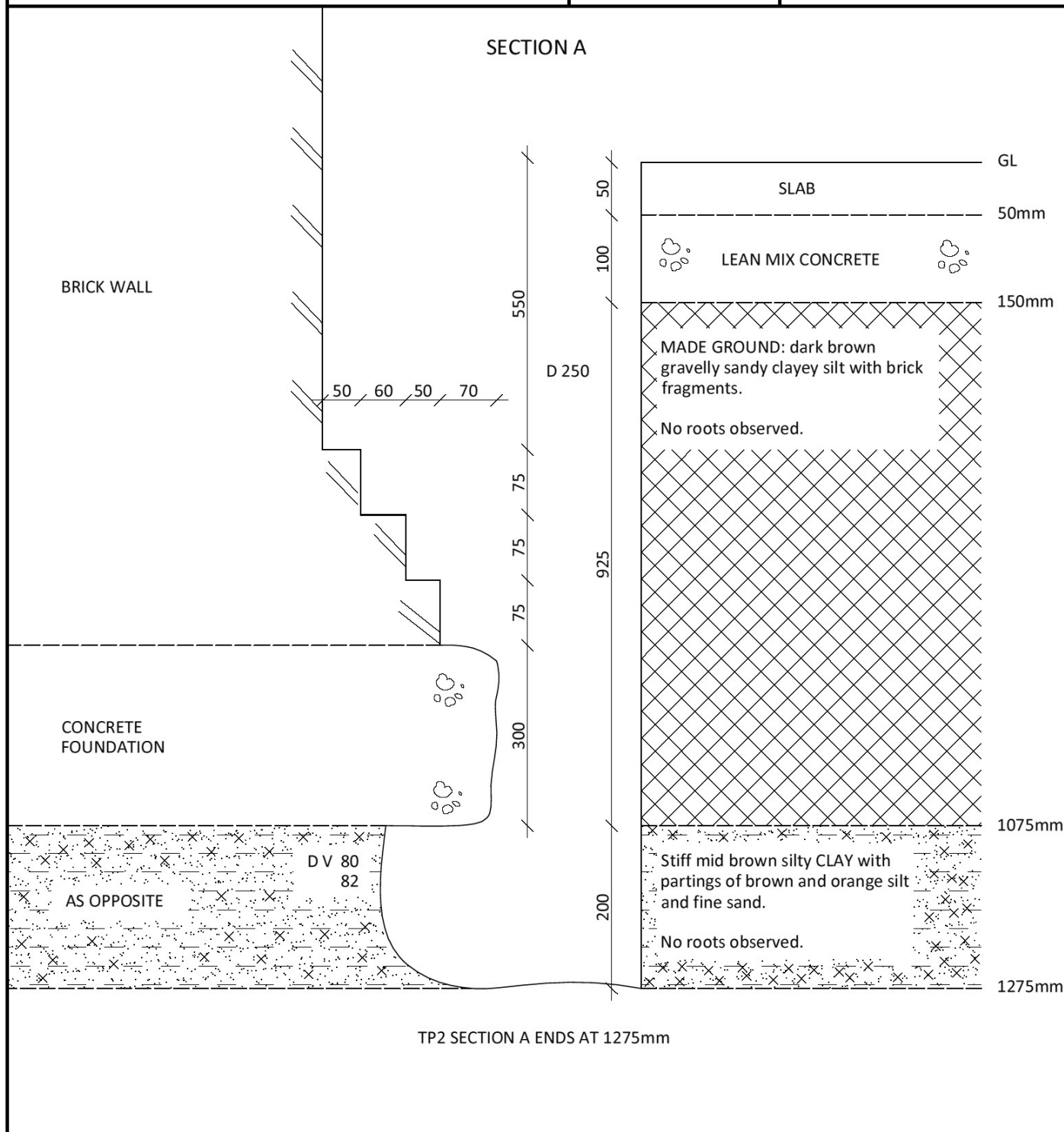


Client: Clague Architects	Scale: NTS	Sheet No: 1 of 1	Date: 28.01.16
Location: 190 Goldhurst Terrace, London NW6 3HN	Job No: 6366	Trial Pit No: 1	Weather: Overcast
Excavation Method: Hand tools		Drawn by: JP	Checked by: JH



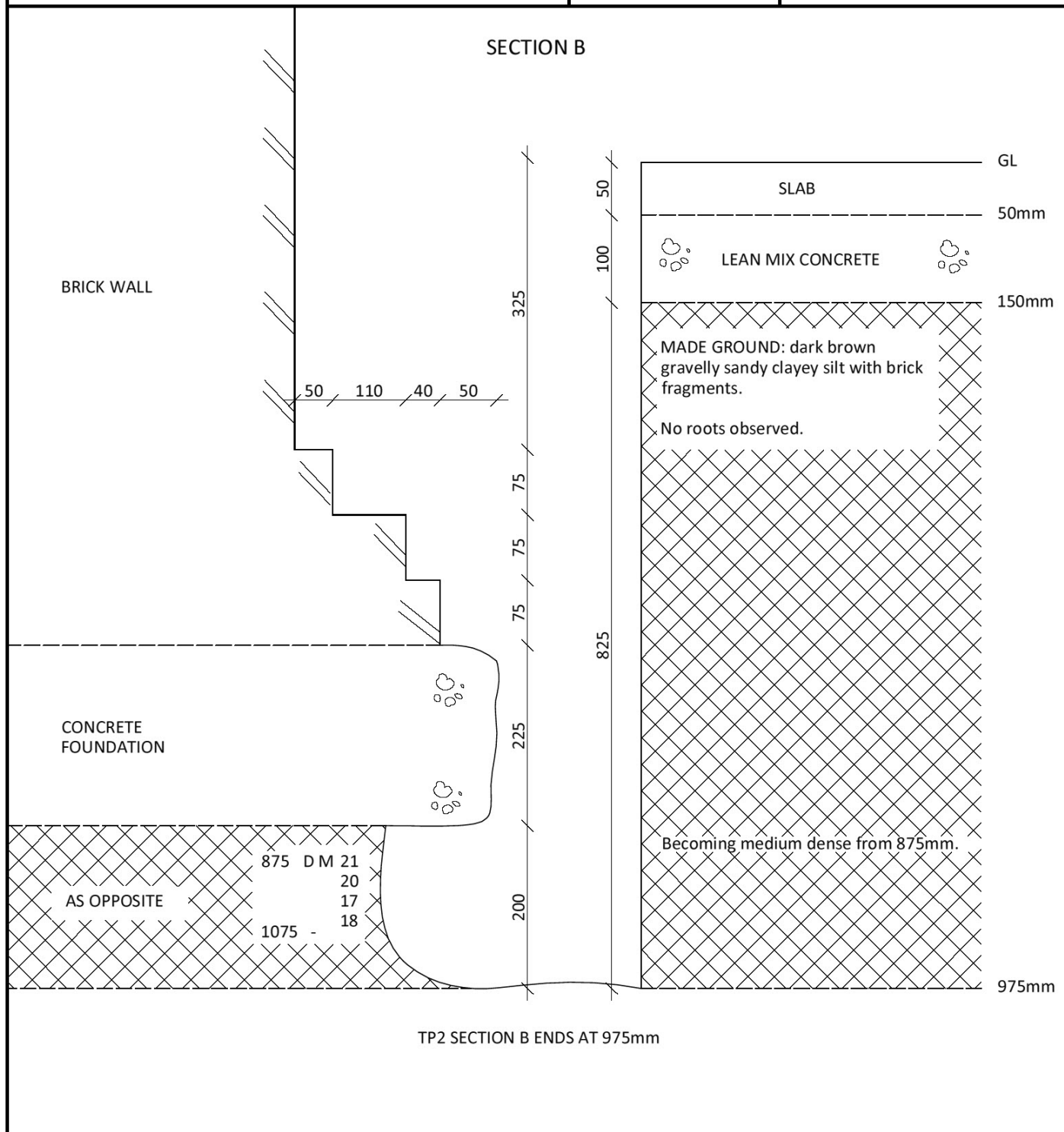
Remarks:	Key: GL Ground level D Small disturbed sample
-----------------	--

Client: Clague Architects	Scale: NTS	Sheet No: 1 of 1	Date: 28.01.16
Location: 190 Goldhurst Terrace, London NW6 3HN	Job No: 6366	Trial Pit No: 2	Weather: Overcast
Excavation Method: Hand tools		Drawn by: JP	Checked by: JH



Remarks:	Key: GL Ground level D Small disturbed sample V Pilcon Vane (KPa)
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Client: Clague Architects	Scale: NTS	Sheet No: 1 of 1	Date: 28.01.16
Location: 190 Goldhurst Terrace, London NW6 3HN	Job No: 6366	Trial Pit No: 2	Weather: Overcast
Excavation Method: Hand tools		Drawn by: JP	Checked by: JH



Remarks:	Key: GL Ground level D Small disturbed sample M Mackintosh Probe
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Chelmer
Geotechnical Laboratories
'Groundbreaking Services'

Laboratory Report



Site	190 Goldhurst Terrace, London, NW6 3HN
Client	Clague LLP
Date	09-Feb-16
Our Ref	CSI6366
CGL Ref	CGL6366

Chelmer Site Investigation Laboratories Ltd

Unit 15 East Hanningfield Industrial Estate, Old Church Road, East Hanningfield, Essex CM3 8AB
Essex: 01245 400930 | London: 0203 6409136 | info@siteinvestigations.co.uk | www.siteinvestigations.com



Content Summary

This report contains all test results as indicated on the test instruction/summary.

CGL Reference : CGL6366

Client Reference : CSI6366

For the attention of : Clague LLP

This report comprises of the following :

- 1 Cover Page

- 1 Inside Cover/Contents Page

- 3 Pages of Results

- 1 Moisture/Shear Strength Chart

- 1 Plasticity Chart

- 5 Pages of BRE SD1 Results

- 1 Limitations of Report Page

Notes :

General

Please refer to report summary notes for details pertaining to methods undertaken and their subsequent accreditations

Samples were supplied by Chelmer Site Investigations

All tests performed in-house unless otherwise stated

Deviant Samples

Samples were received in suitable containers	Yes
--	-----

A date and time of sampling was provided	Yes
--	-----

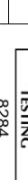
Arrived damaged and/or denatured	No
----------------------------------	----

BS 1377 : 1990



Date Received : 03/02/2016
Date Testing Started : 05/02/2016
Date Testing Completed : 09/02/2016

[illegible]

Notes :-	UKAS Accredited Tests	Key
[1] BS 1377 : Part 2 : 1990, Test No 3.2	[7] BS 5630 : 1981 : Figure 31 - Plasticity Chart for the classification of fine soils	D - Disturbed sample
[2] Estimated if <5%, otherwise measured	[8] In-house method S9a adapted from BRE IP 4/93	B - Bulk sample
[3] BS 1377 : Part 2 : 1990, Test No 4.4	[9] Values of shear strength were determined in situ by Cleggner Site Investigations using a Picon hand vane or Geonor vane (GV).	U - U100 (undisturbed sample)
[4] BS 1377 : Part 2 : 1990, Test No 5.3		W - Water sample
[5] BS 1377 : Part 2 : 1990, Test No 5.4		EMP - Essentially Non-Plastic
[6] BRE Digest 240 : 1993		US - Undersea Foundation
Comments :-	<p>[10] BS 1377 : Part 2 : 1990, Test No 4</p> <p>[11] BS 1377 : Part 2 : 1990, Test No 9</p> <p>[12] BS 1377 : Part 3 : 1990, Test No 5.6</p> <p>[13] $SO_2 = 1.2 \times SO_3$</p> <p>[14] BRE Special Digest One (Concrete in Aggressive Ground) 2005</p> <p>Note that if the SO_2 content falls into the DS 4 or DS 5 class, it would be prudent to consider the sample as falling into the DS 4m or DS 5m class respectively unless water soluble magnesium testing is undertaken to prove otherwise</p>	 <p>UKAS TESTING</p> <p>8284</p>

Technician : SW/HSLA
Checked By : SG
Date Checked : 15-Feb-16

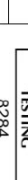
BS 1377 : 1990



Date Received : 03/02/2016
Date Testing Started : 05/02/2016
Date Testing Completed : 09/02/2016

[illegible]

Notes :-	UKAS Accredited Tests	Key
[1] BS 1377 : Part 2 : 1990, Test No 3.2	[7] BS 5630 : 1981 : Figure 31 - Plasticity Chart for the classification of fine soils	D - Disturbed sample
[2] Estimated if <5%, otherwise measured	[8] In-house method S9a adapted from BRE IP 4/93	B - Bulk sample
[3] BS 1377 : Part 2 : 1990, Test No 4.4	[9] Values of shear strength were determined in situ by Cyclic Shear Site Investigations using a Picon hand vane or Geor vane (GV).	U - U100 (undisturbed sample)
[4] BS 1377 : Part 2 : 1990, Test No 5.3		W - Water sample
[5] BS 1377 : Part 2 : 1990, Test No 5.4		EMP - Essentially Non-Plastic
[6] BRE Digest 240 : 1993		US - Undersea Foundation
Comments :-		



UKAS TESTING

8284

Technician : SW/HS/LA
Checked By : SG
Date Checked : 15-Feb-16

BS 1377 : 1990



Date Received : 03/02/2016
Date Testing Started : 05/02/2016
Date Testing Completed : 09/02/2016

[illegible][illegible]

Technician :- SWH/SILA	Checked By :- SG	Date Checked :- 15-Feb-16
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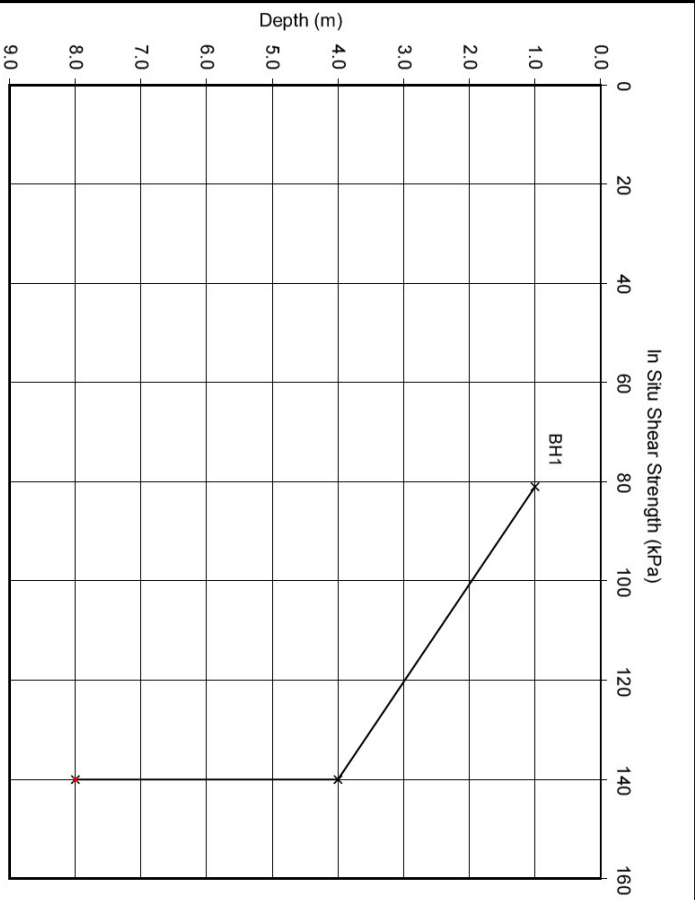
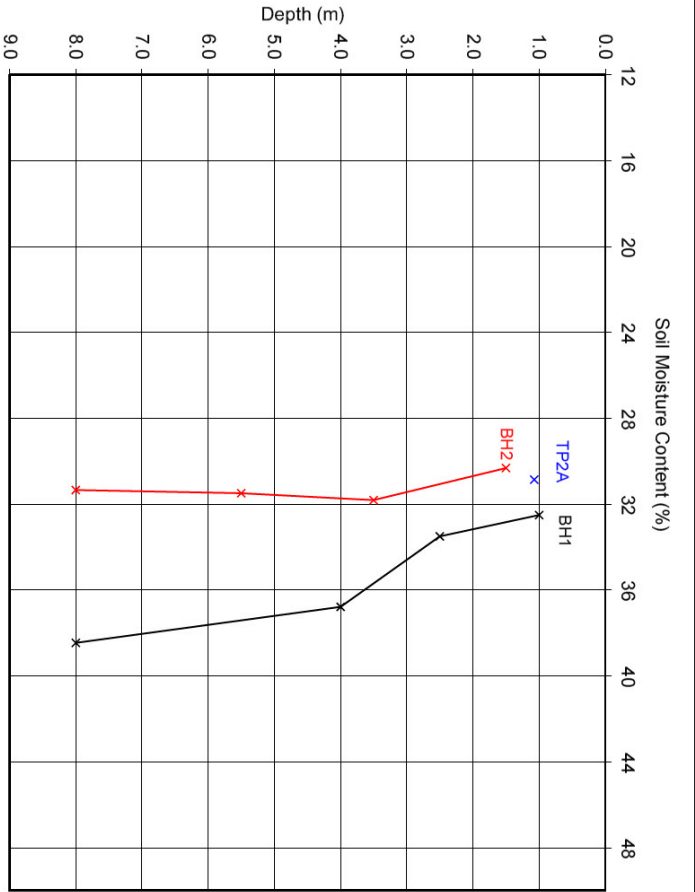
Laboratory Testing Results

Moisture Content/Shear Strength Profile



Job Number : CGL6366
Client : Clague LLP
Client Reference : CSI6366
Site Name : 190 Goldhurst Terrace, London, NW6 3HN

Date Received : 03/02/2016
Date Testing Started : 05/02/2016
Date Testing Completed : 09/02/2016
Laboratory : Chelmer Geotechnical Laboratories, CM3 8AB

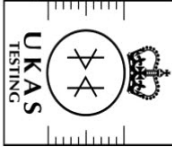


Notes :-

1. If the Soil Fraction > 0.425mm exceeds 5% the Equivalent Moisture Content of the remainder (calculated in accordance with BS 1377: Part 2: 1990, cl.3.2.4 note 1) is also plotted and the alternative profile additionally shown as an appropriately coloured broken line.
2. If plotted, 0.4 LL and PL+2 (after Driscoll, 1983) should only be applied to London Clay (and similarly over consolidated clays) at shallow depths.

Comments :-

Checked By :- SG Date Checked :- 15-Feb-16



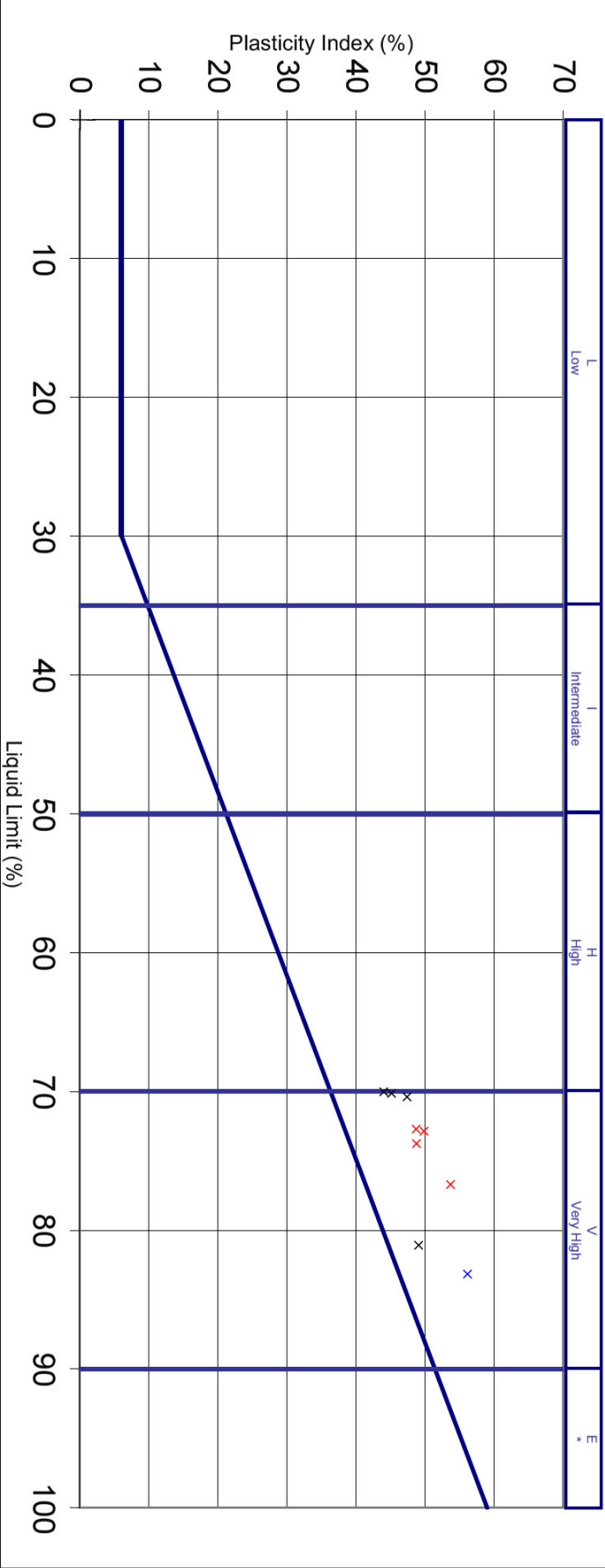
Laboratory Testing Results

Plasticity Chart for the classification of fine soils and the finer part of coarse soils
In Compliance with BS5930 : 1999



Job Number : CGL6366
Client : Clague LLP
Client Reference : CSI6366
Site Name : 190 Goldhurst Terrace, London, NW6 3HN

Date Received : 03/02/2016
Date Testing Started : 05/02/2016
Date Testing Completed : 09/02/2016
Laboratory : Chelmer Geotechnical Laboratories, CM3 8AB



Notes :-
SIL T (M-SOIL), M, plots below A-Line
CLAY, C, plots above A-Line } M and C may be combined as FINE SOIL, F.

Key :- BH1
BH2
TP2A

Comments :-

Checked By :- SG
Date Checked :- 15-Feb-16

