





















<div><div><div>Southern Testing</div><div>Environmental & Geotechnical</div></div><div><div>ST Consult</div><div>Environmental & Geotechnical</div></div><div>Tel: 01342 333100</div></div>										Project No. J11708		Hole Type WS		Borehole No WS1 Sheet 1 of 1	
Project Name: Hope and Anchor, 74 Crowndale Road (Camden)										Dates: 18/03/2014					
Location: Camden										NGR: -					
Client: Vidacraft Ltd										Level: -			Logged By AW		
Well	Water Strikes	Samples & In Situ Testing			Level (m AOD)	Thickness	Legend	Depth (m)	Stratum Description						
		Depth (m)	Type	Results											
						0.16		0.16	Concrete floor slab						
		0.30	D			0.24		0.16	Firm, grey brown, CLAY MADE GROUND with frequent fine to coarse sub angular brick fragments.						
		0.50 0.50	D	UCS = 180				0.40	Firm to stiff, high strength,brown mottled grey fissured CLAY.						
		1.00 1.00	D	UCS = 160											
		1.50 1.50	D	UCS = 240		2.20			1.50m: Turning to stiff, high strength CLAY.						
		2.00 2.00	D	UCS = 250											
		2.50 2.50	D	UCS = 280											
		3.00 3.00	D	UCS = 280			0.10		2.60 2.70	Yellow brown, CLAYSTONE					
							0.73				Stiff, high strength, grey brown, CLAY				
										3.43	End of Borehole at 3.43 m				
		Type	Results												
Hole Diameters				Water Strikes					General Remarks:						
Depth (m)	Hole (mm)	Casing (mm)	Date	Water (m)	Casing (m)	Time (mins)	Rose to (m)	Sealed (m)	Sample moist from 2.5m to base.						



PT = Equilivant Standard Penetration Test , UCS = Unconfined Compressive Strength (kN/m2) by Hand Penetrometer , HV = Hand Vane Result (kPa)



<div><div><div><div></div><div>Southern Testing</div><div>Environmental & Geotechnical</div></div><div><div>ST Consult</div><div>Environmental & Geotechnical</div></div></div><div>Tel: 01342 333100</div></div>								Project No. J11708		Hole Type WS		Borehole No WS2 Sheet 1 of 1		
Project Name: Hope and Anchor, 74 Crowndale Road (Camden)								Dates: 18/03/2014						
Location: Camden								NGR: -						
Client: Vidacraft Ltd								Level: -			Logged By AW			
Well	Water Strikes	Samples & In Situ Testing			Level (m AOD)	Thickness	Legend	Depth (m)	Stratum Description					
		Depth (m)	Type	Results										
						0.15		0.15	Concrete floor slab					
						0.25		0.15				Soft to firm, grey brown, CLAY MADE GROUND with frequent fine to coarse sub angular brick fragments and fine to medium flint gravel.		
		0.40 0.40	D	UCS = 150				0.40						
		1.00 1.00	D	UCS = 200										
		1.50 1.50	D	UCS = 200		2.15								
		2.00 2.00	D	UCS = 220										
		2.50 2.50	D	UCS = 300		0.10		2.55 2.65	Yellow brown, CLAYSTONE					
									Stiff, high strength, grey brown, CLAY					
		3.00 3.00	D	UCS = 290		0.79								
								3.44	End of Borehole at 3.44 m					



<div><div>Southern Testing</div><div><div>ST Consult</div><div>Environmental & Geotechnical</div></div></div> <div>Tel: 01342 333100</div>				Project No. J11708	Machine Type Hand Dug	Trialpit No TP1 Sheet 1 of 1	
Project Name: Hope and Anchor, 74 Crowndale Road (Camden)		NGR: - Level: -		Date: 18/03/2014			
Location: Camden		Dimensions: Depth 1.40m		<div>0.40m</div> <div></div>			
Client: Vidacraft Ltd							
Samples & In Situ Testing		Level (m AOD)	Thickness	Legend	Depth (m)	Stratum Description	
Depth (m)	Type	Results					
0.60	D			<div></div>	0.15	CONCRETE floor slab	
					0.15	Dense, yellow brown, brick rubble MADE GROUND. Fine gravel to cobble sized sub angular to angular brick fragments, with occasional sands and fine to coarse sub angular flint gravels.	
1.00 1.00	D	UCS = 80		<div></div>	1.25		
					1.40	Trial Pit Complete at 1.40 m	
Remarks:							
Pit Stability: Stable to base							
Groundwater: No water encountered							
PPT = Perth Penetration Test 'N' Value , UCS = Unconfined Compressive Strength (kN/m2) by Hand Penetrometer, HV= Hand Vane Result (kPa)							

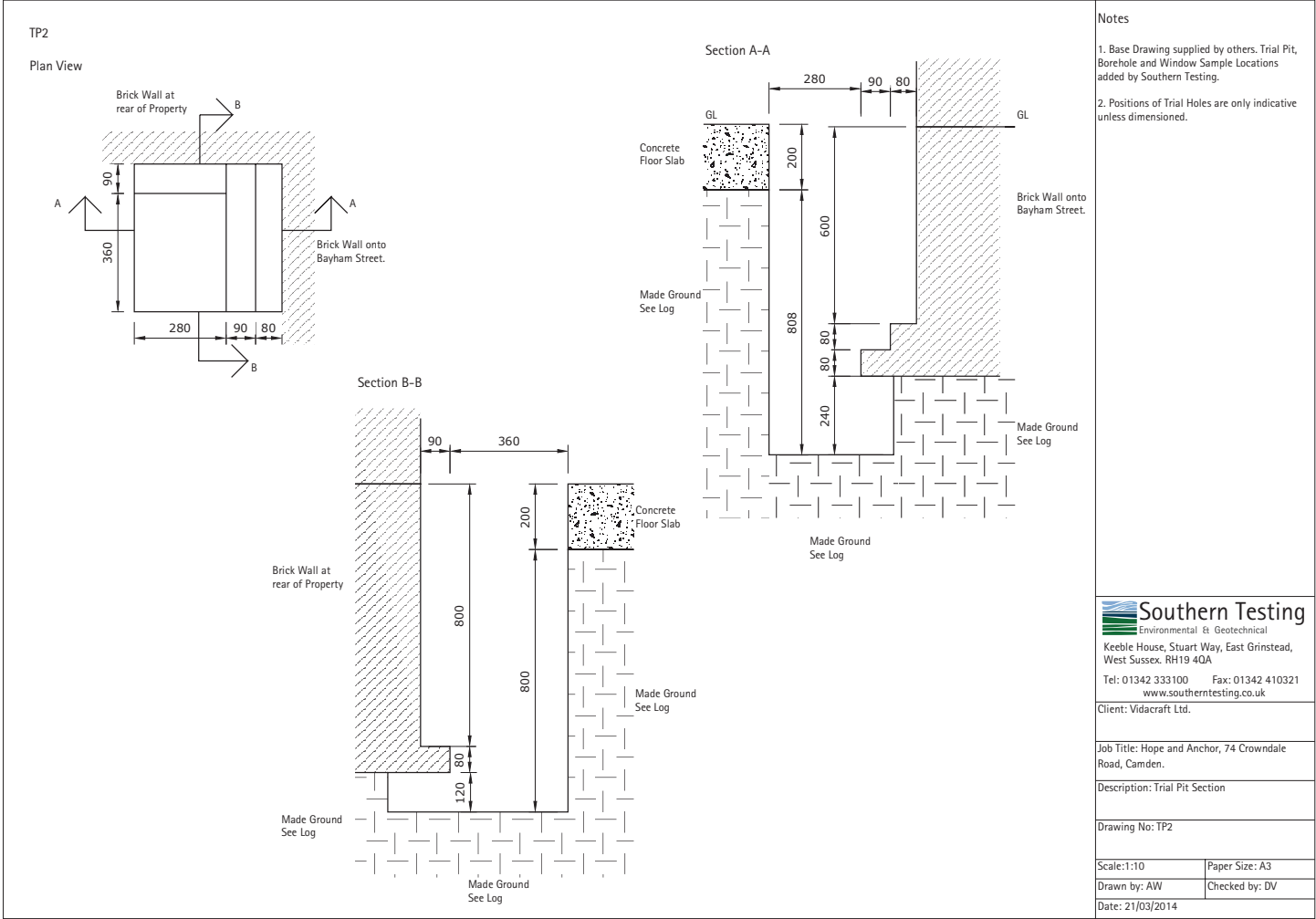
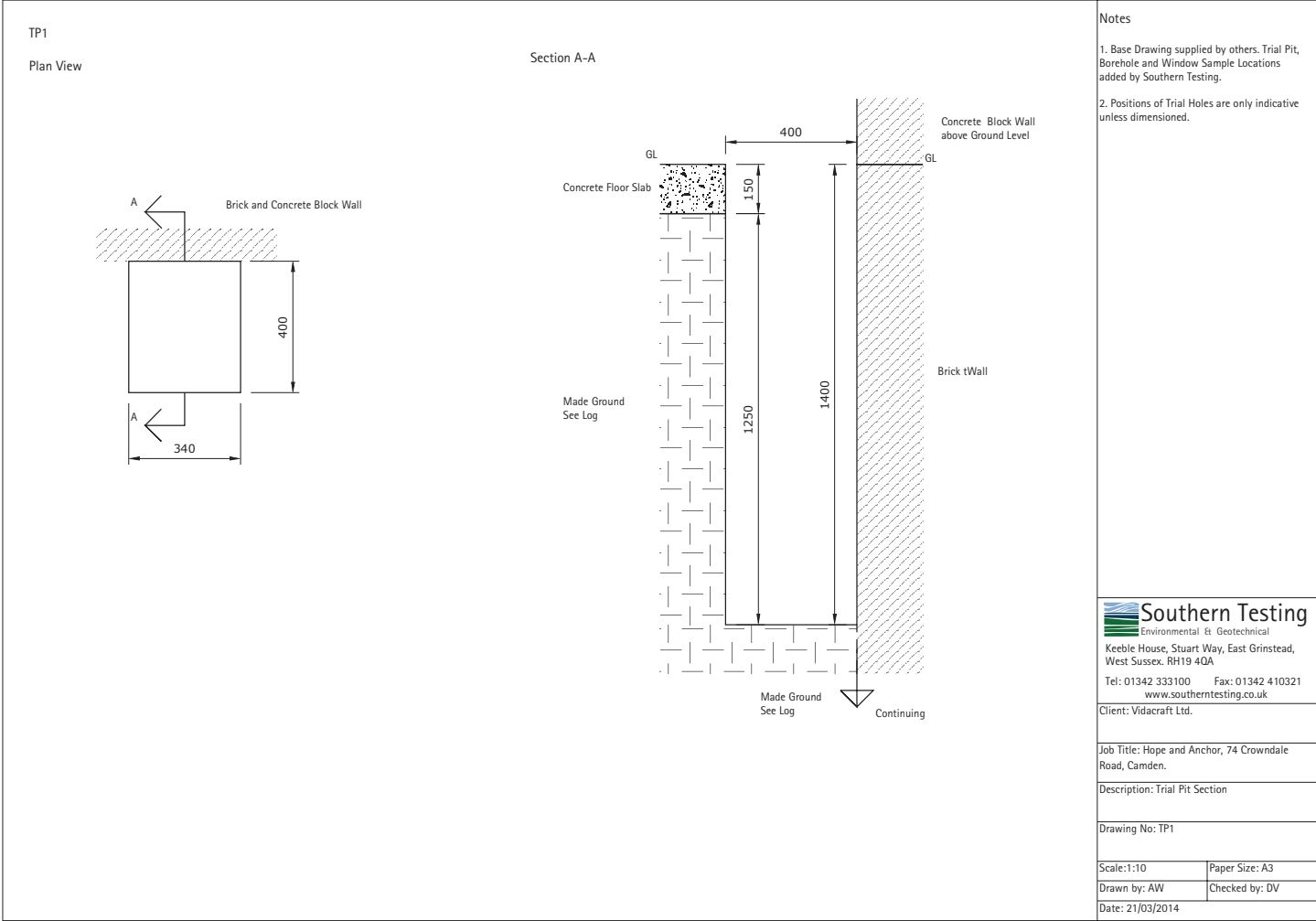
<div><div>Southern Testing</div><div><div>ST Consult</div><div>Environmental & Geotechnical</div></div></div> <div>Tel: 01342 333100</div>				Project No. J11708	Machine Type Hand Dug	Trialpit No TP2 Sheet 1 of 1	
Project Name: Hope and Anchor, 74 Crowndale Road (Camden)		NGR: - Level: -		Date: 18/03/2014			
Location: Camden		Dimensions: Depth 1.00m		<div>0.45m</div> <div></div>			
Client: Vidacraft Ltd							
Samples & In Situ Testing		Level (m AOD)	Thickness	Legend	Depth (m)	Stratum Description	
Depth (m)	Type	Results					
0.50	D			<div></div>	0.20	CONCRETE floor slab	
					0.01	Damp Proof Membrane	
1.00	D			<div></div>	0.20 0.21	Brown, silty sandy CLAY MADE GROUND with frequent fine to coarse gravel sized brick and concrete fragments. Occasional clinker, ceramic and glass pieces.	
					1.00	Trial Pit Complete at 1.00 m	
Remarks:							
Pit Stability: Stable to base							
Groundwater: No water encountered							
PPT = Perth Penetration Test 'N' Value , UCS = Unconfined Compressive Strength (kN/m2) by Hand Penetrometer, HV= Hand Vane Result (kPa)							

<div><div><div>Southern Testing</div></div><div><div><div>ST Consult</div></div><div>Tel: 01342 333100</div></div></div>				Project No. J11708	Machine Type Hand Dug	Trialpit No TP5 Sheet 1 of 1	
Project Name: Hope and Anchor, 74 Crowndale Road (Camden)		NGR: - Level: -		Date: 14/03/2014			
Location: Camden		Dimensions: Depth 0.70m		0.50m			
Client: Vidacraft Ltd				Logged By AW			
Samples & In Situ Testing			Level (m AOD)	Thickness	Legend	Depth (m)	Stratum Description
Depth (m)	Type	Results					
0.40	D					0.10	CONCRETE floor slab
						0.10	Soft to firm, brown to black CLAY MADE GROUND with frequent fine to coarse gravel sized brick, ceramic, clinker, concrete and glass fragments. Occasional sub angular brick fragments.
0.70 0.70	D	UCS = 40				0.55	
						0.05	Soft, low strength brown, CLAY with occasional Selenite.
							Trial Pit Complete at 0.70 m
Remarks:							
Pit Stability: Stable to base							
Groundwater:No water encountered							
PPT = Perth Penetration Test 'N' Value , UCS = Unconfined Compressive Strength (kN/m2) by Hand Penetrometer, HV= Hand Vane Result (kPa)							

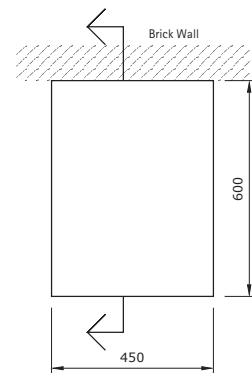
<div><div><div>Southern Testing</div></div><div><div><div>ST Consult</div></div><div>Tel: 01342 333100</div></div></div>				Project No. J11708	Machine Type Hand Dug	Trialpit No TP6 Sheet 1 of 1	
Project Name: Hope and Anchor, 74 Crowndale Road (Camden)		NGR: - Level: -		Date: 14/03/2014			
Location: Camden		Dimensions: Depth 0.36m		0.65m			
Client: Vidacraft Ltd				Logged By AW			
Samples & In Situ Testing			Level (m AOD)	Thickness	Legend	Depth (m)	Stratum Description
Depth (m)	Type	Results					
0.20	D					0.12	CONCRETE floor slab
						0.12	Stiff to very stiff, brown CLAY MADE GROUND with frequent fine to coarse gravel sized brick fragments and occasional glass and ceramic fragments.
0.30 0.30	D	UCS = 300				0.15	
						0.09	Stiff to very stiff, very high strength, brown CLAY with occasional Selenite crystals
							Trial Pit Complete at 0.36 m
Remarks:							
Pit Stability: Stable to base							
Groundwater:No water encountered							
PPT = Perth Penetration Test 'N' Value , UCS = Unconfined Compressive Strength (kN/m2) by Hand Penetrometer, HV= Hand Vane Result (kPa)							

<div><div><div>Southern Testing</div></div><div><div><div>ST Consult</div></div><div>Tel: 01342 333100</div></div></div>				Project No. J11708		Machine Type Hand Dug		Trialpit No TP9 Sheet 1 of 1	
Project Name: Hope and Anchor, 74 Crowndale Road (Camden)				NGR: - Level: -			Date: 14/03/2014		
Location: Camden				Dimensions: Depth 0.66m			0.70m		
Client: Vidacraft Ltd				0.42m			Logged By AW		
Samples & In Situ Testing			Level (m AOD)	Thickness	Legend	Depth (m)	Stratum Description		
Depth (m)	Type	Results							
								CONCRETE floor slab	
				0.12		0.12		Firm to stiff, grey brown CLAY MADE GROUND with frequent fine to medium sized sub angular to angular gravel and sand with occasional medium gravel to cobble sized sub angular brick fragments.	
0.40 0.40	D	UCS = 80		0.40		0.52		Stiff, high strength, grey brown, CLAY with occasional lenses of sand and selenite crystals throughout.	
0.55 0.55	D	UCS = 160		0.14		0.66		----- Trial Pit Complete at 0.66 m	
Remarks:									
Pit Stability: Stable to base									
Groundwater: No water encountered									
PPT = Perth Penetration Test 'N' Value , UCS = Unconfined Compressive Strength (kN/m2) by Hand Penetrometer, HV= Hand Vane Result (kPa)									

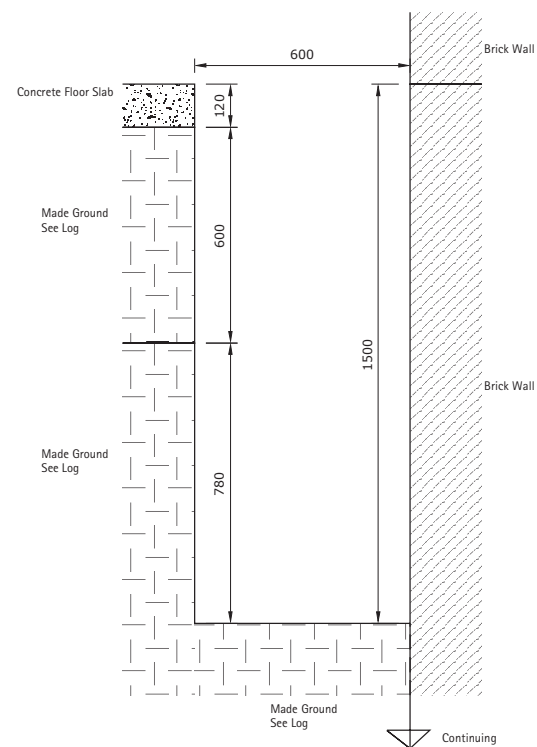
<div><div><div>Southern Testing</div></div><div><div><div>ST Consult</div></div><div>Tel: 01342 333100</div></div></div>				Project No. J11708		Machine Type Hand Dug		Trialpit No TP10 Sheet 1 of 1	
Project Name: Hope and Anchor, 74 Crowndale Road (Camden)				NGR: - Level: -			Date: 14/03/2014		
Location: Camden				Dimensions: Depth 0.55m			0.57m		
Client: Vidacraft Ltd				0.60m			Logged By AW		
Samples & In Situ Testing			Level (m AOD)	Thickness	Legend	Depth (m)	Stratum Description		
Depth (m)	Type	Results							
								CONCRETE floor slab	
				0.15		0.15		Firm to stiff, grey brown CLAY MADE GROUND with fine to coarse gravel sized sub angular brick fragments.	
0.30 0.30	D			0.30		0.45		Firm, medium strength, brown, CLAY with occasional sand lenses and Selenite crystals.	
0.50 0.50	D	UCS = 120		0.10		0.55		----- Trial Pit Complete at 0.55 m	
Remarks:									
Pit Stability: Stable to base									
Groundwater: No water encountered									
PPT = Perth Penetration Test 'N' Value , UCS = Unconfined Compressive Strength (kN/m2) by Hand Penetrometer, HV= Hand Vane Result (kPa)									



Plan View



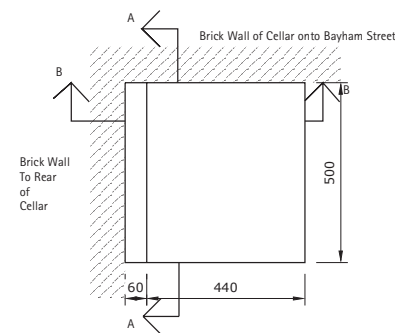
Section A-A



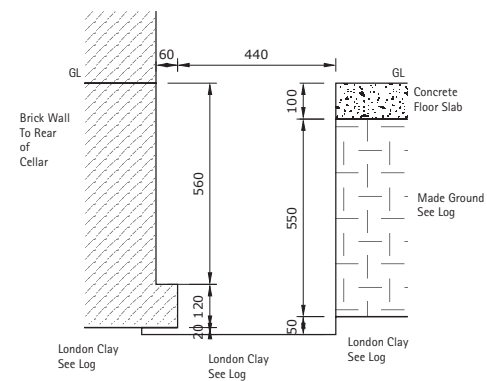
1. Base Drawing supplied by others. Trial Pit, Borehole and Window Sample Locations added by Southern Testing.
2. Positions of Trial Holes are only indicative unless dimensioned.

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Drawn by: AW	Checked by: DW
Date: 21/03/2014	

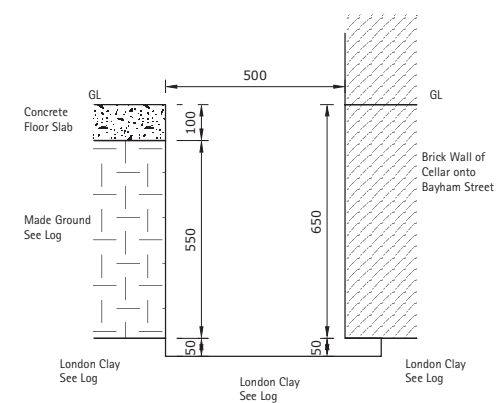
Plan View



Section B-B



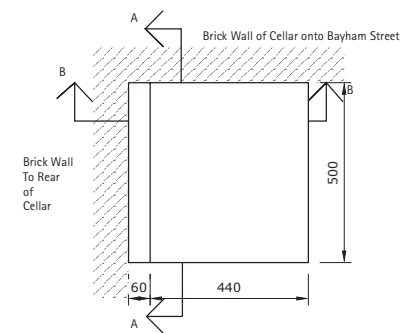
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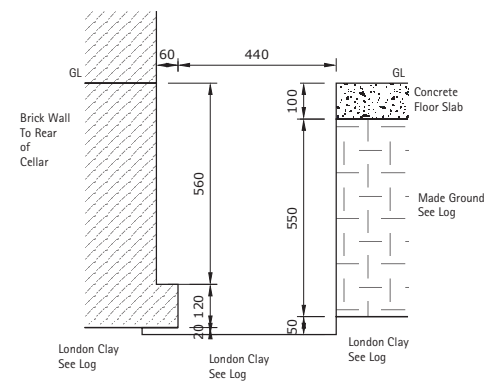
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2. Positions of Trial Holes are only indicative unless dimensioned.

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Date: 21/03/2014	

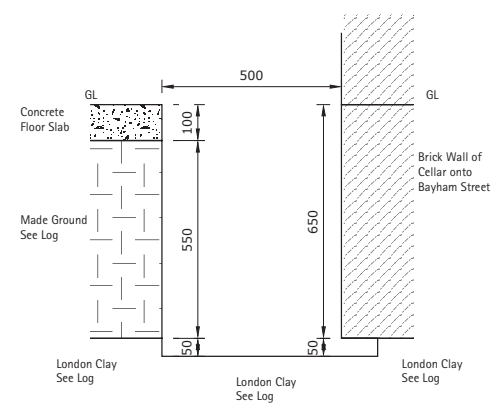
Plan View



Section B-B



Section A-A



Notes

1. Base Drawing supplied by others. Trial Pit Borehole and Window Sample Locations added by Southern Testing.
2. Positions of Trial Holes are only indicative unless dimensioned.



Client: Vidacraft Ltd.

Job Title: Hope and Anchor, 74 Crowndale Road, Camden.

Description: Trial Pit Section

Drawing No: TP5

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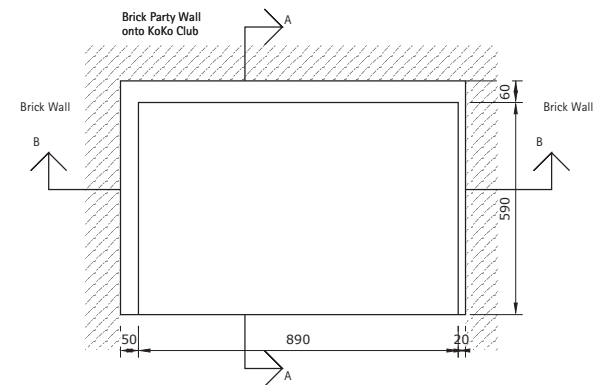
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Checked by: DV

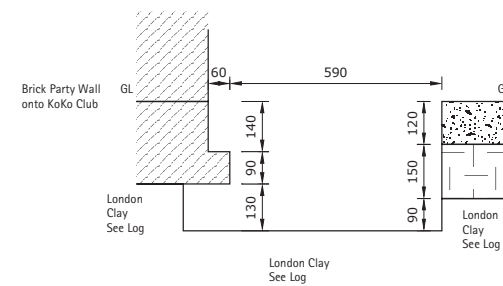
Date: 21/03/2014

TP6

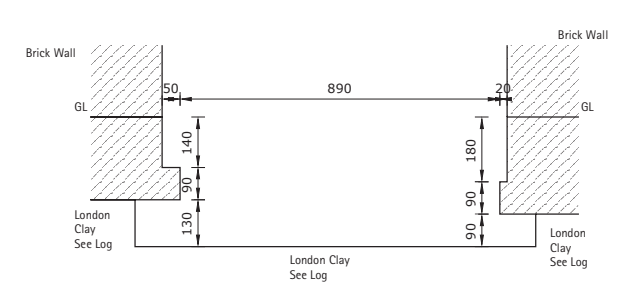
Plan View



Section A-A



Section B-B



Notes

1. Base Drawing supplied by others. Trial Pit, Borehole and Window Sample Locations added by Southern Testing.
2. Positions of Trial Holes are only indicative unless dimensioned.



Client: Vidacraft Ltd.

Job Title: Hope and Anchor, 74 Crowndale Road, Camden.

Description: Trial Pit Section

Drawing No: TP6

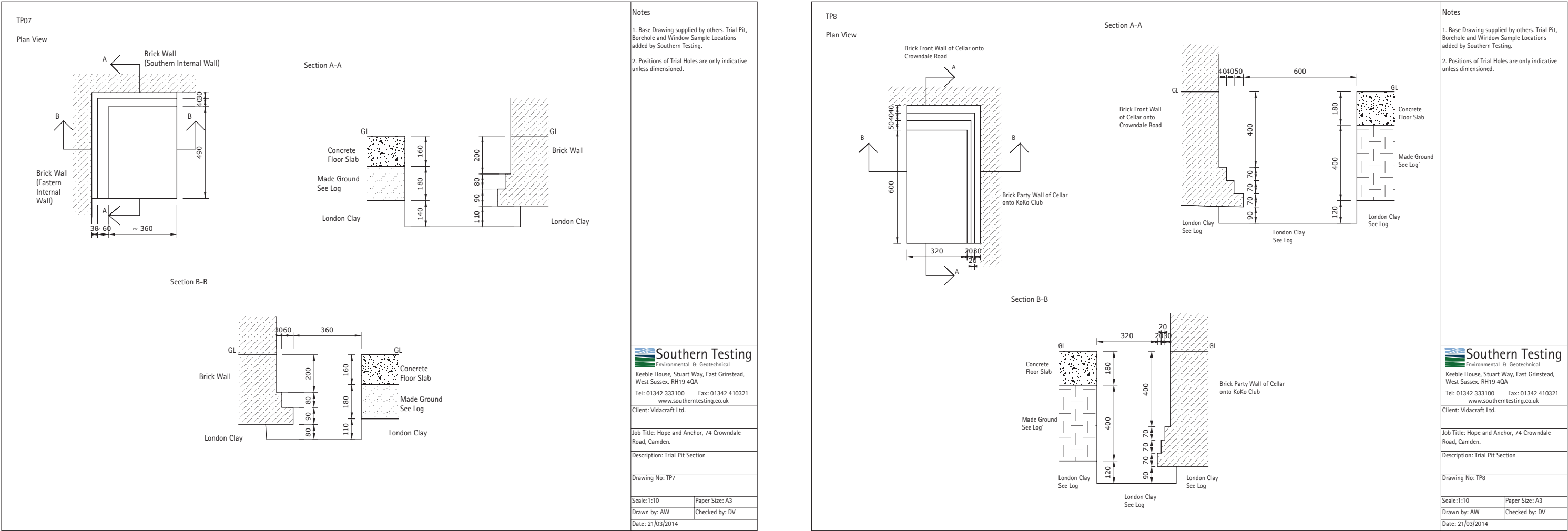
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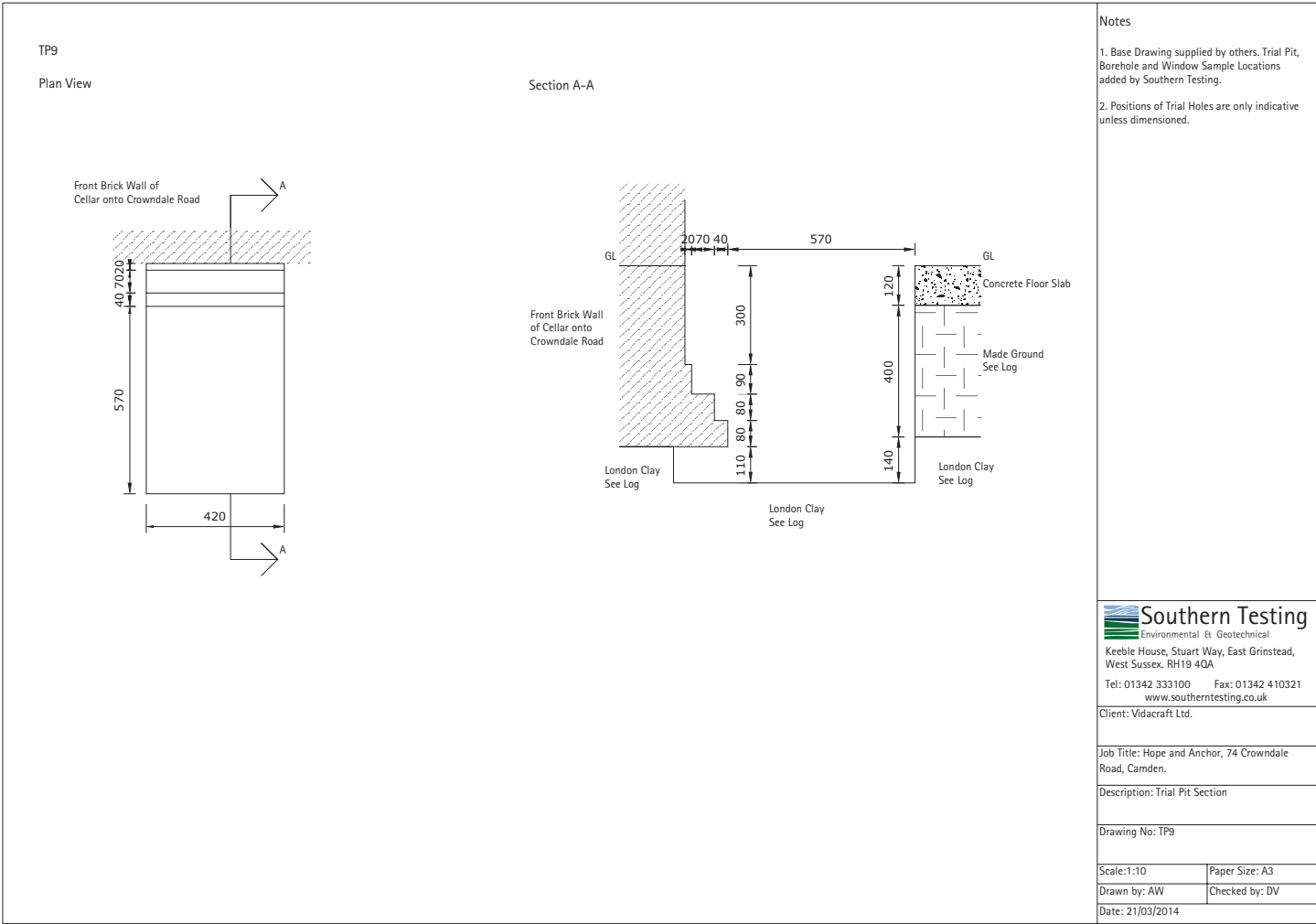
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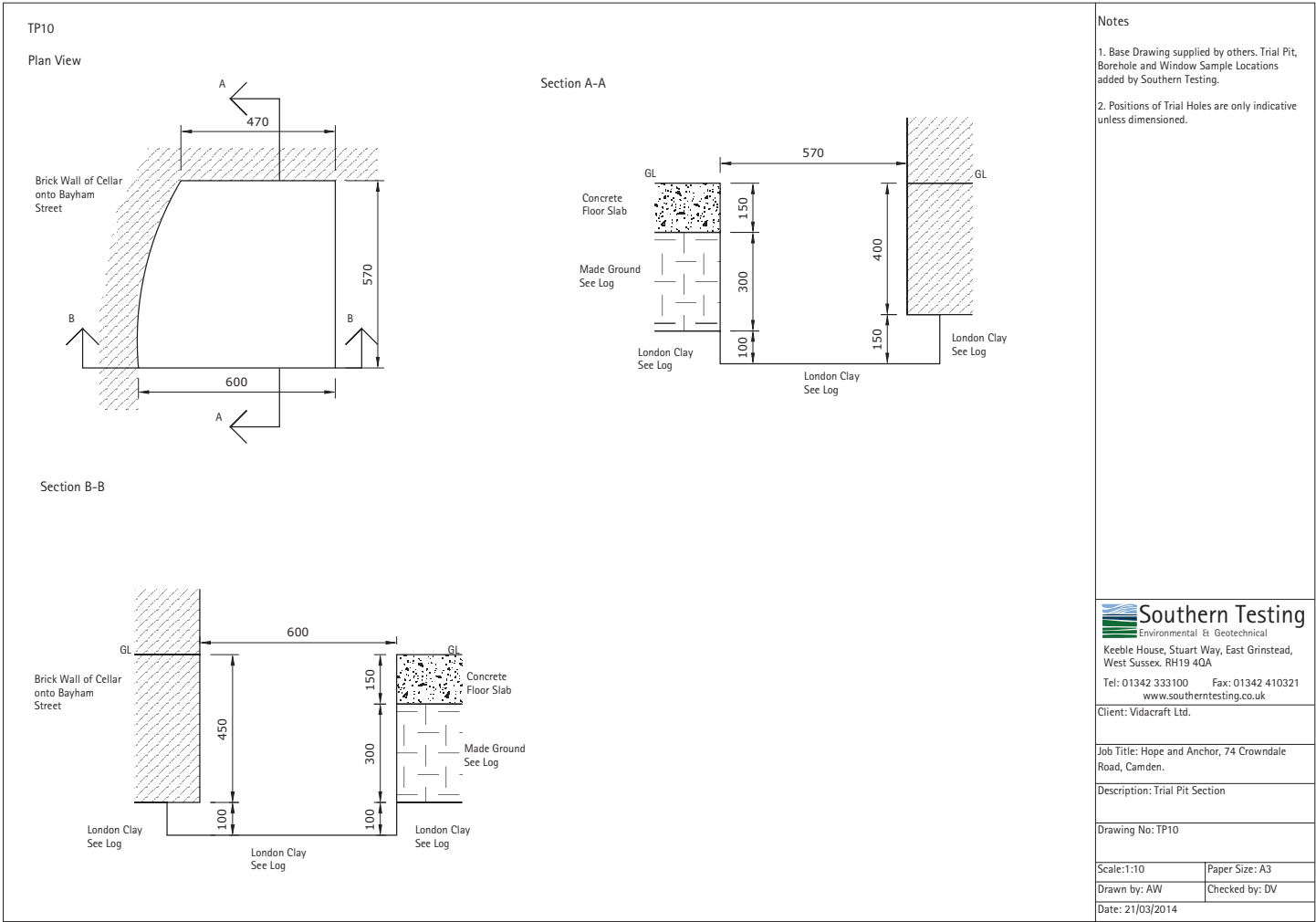




Notes

1. Base Drawing supplied by others. Trial Pit, Borehole and Window Sample Locations added by Southern Testing.

2. Positions of Trial Holes are only indicative unless dimensioned.



Notes

1. Base Drawing supplied by others. Trial Pit, Borehole and Window Sample Locations added by Southern Testing.

2. Positions of Trial Holes are only indicative unless dimensioned.




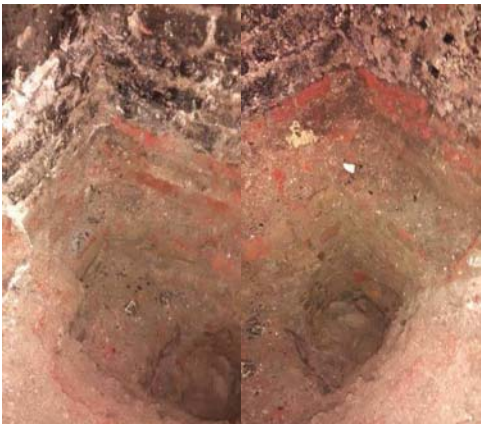
Hope and Anchor, 74 Crowndale Road, Camden.

STL:J11708

	
TP1	TP1
	
TP2	TP2

Hope and Anchor, 74 Crowndale Road, Camden.

STL:J11708

	
TP3	TP3
	
TP4	TP4




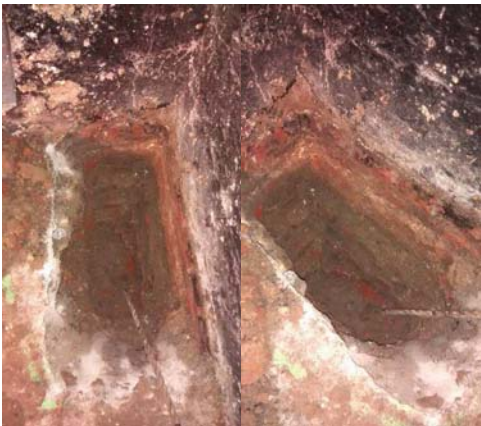
Hope and Anchor, 74 Crowndale Road, Camden.

STL:J11708

	
TP5	TP5
	
TP6	TP6





Hope and Anchor, 74 Crowndale Road, Camden.

STL:J11708

	
TP7	TP7
	
TP8	TP8

Hope and Anchor, 74 Crowndale Road, Camden.

STL:J11708

	
TP9	TP9
	
TP10	TP10

APPENDIX B

Field Sampling and in-situ Test Methods & Results

Field Sampling and in-situ Test Methods

Disturbed Samples

Disturbed samples were taken from the trial holes intervals and stored in sealed glass jars and polythene bags, as appropriate.

Hand Penetrometer Test

The hand penetrometer consists of a spring loaded and calibrated plunger which is forced into the soil. A reading of unconfined compression strength (equal to twice cohesion) is given on a calibrated scale. In common with other hand methods of strength assessment (eg. the shear vane) it does not give an accurate indication of bearing capacity in stiff or fissured soils, because of the small test area. The figures are used for strength classification according to the table below

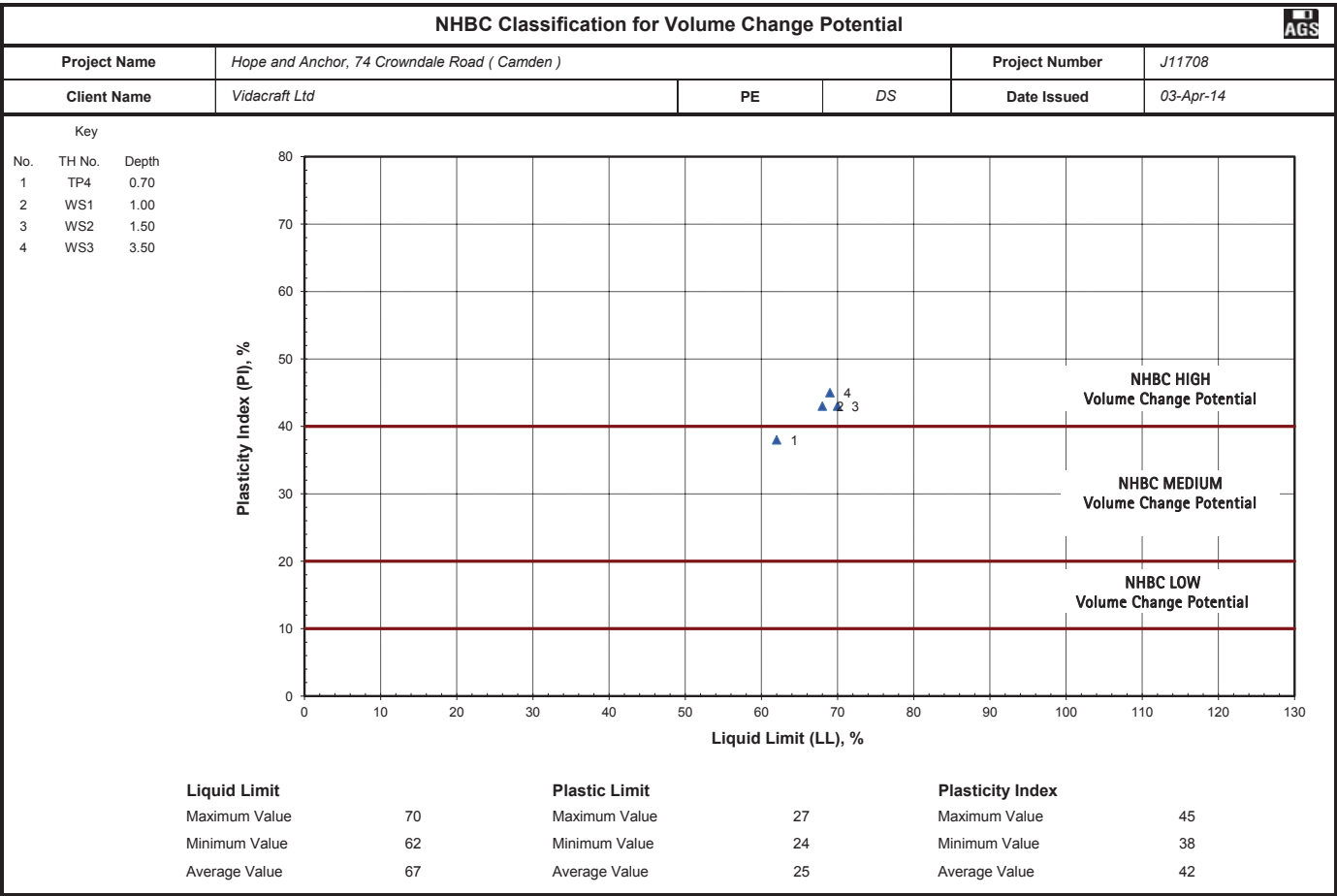
Hand Penetrometer Value (kPa)	Undrained Shear Strength cu (kPa)	Undrained Shear Strength of Clays
Less than 20	Less than 10	Extremely Low
20 to 40	10 to 20	Very Low
40 to 80	20 to 40	Low
80 to 150	40 to 75	Medium
150 to 300	75 to 150	High
300 to 600	150 to 300	Very High
More than 600	More than 300	Extremely High

APPENDIX C

Geotechnical Laboratory Test Methods & Results

Atterberg and Moisture Content Summary										
Southern Testing		ST Consult		To BS1377-2:1990(2003) cl.3.2, 3.3, 4.2, 4.3						
Project Name		Hope and Anchor, 74 Crowndale Road (Camden)					Project Number		J11708	
Client		Vidacraft Ltd				PE	DS	Date Issued		03-Apr-14
Location	Depth m	Sample Type	Visual Description	Comments	Natural MC %	Liquid Limit %	Plastic Limit %	Plasticity Index	Classi- fication	Passing 425 micron %
TP4	0.70	D	Stiff high strength light brown CLAY.		27	62	24	38	CH	100
WS1	1.00	D	Firm medium strength light brown speckled orange slightly sandy CLAY.		30	68	25	43	CH	100
WS2	1.50	D	Stiff high strength light brown mottled grey CLAY.		31	70	27	43	CH/CV	100
WS3	3.50	D	Stiff high strength light brown slightly sandy CLAY.		30	69	24	45	CH	100

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Jun 13



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Scientific Analysis Laboratories Ltd

Certificate of Analysis

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CM7 2RT
Tel : 01376 560120
Fax : 01376 552923

Report Number: 384508-1

Date of Report: 28-Mar-2014

Customer: Southern Testing Laboratories
Keeble House
Stuart Way
East Grinstead
West Sussex
RH19 4QA

Customer Contact: Mr David Vooght

Customer Job Reference: J11708

Customer Purchase Order: J11708_1

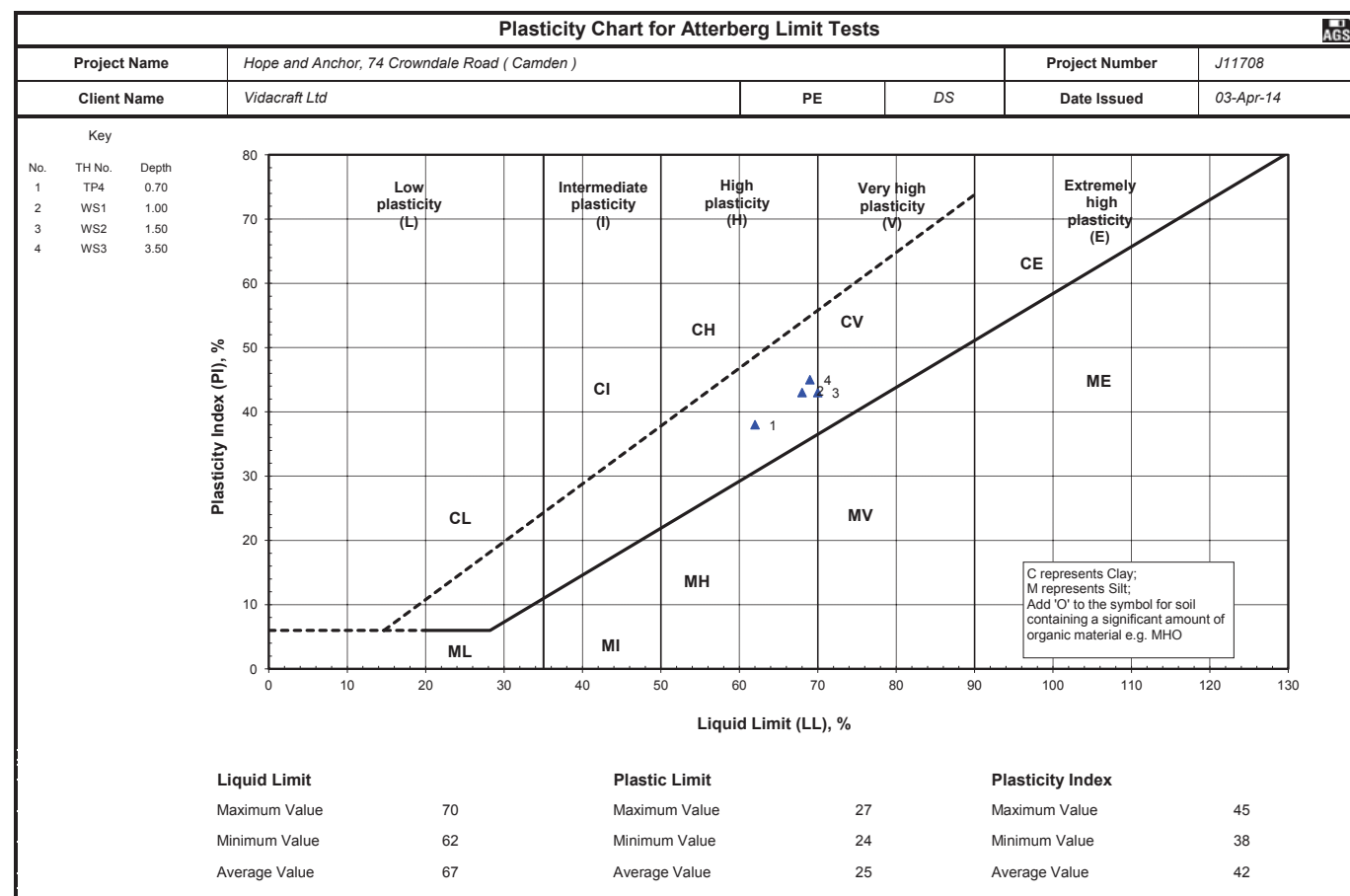
Customer Site Reference: Hope and Anchor, 74 Crowndale Road (Camden)

Date Job Received at SAL: 24-Mar-2014

Date Analysis Started: 24-Mar-2014

Date Analysis Completed: 28-Mar-2014

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
This report should not be reproduced except in full without the written approval of the laboratory
Tests covered by this certificate were conducted in accordance with SAL SOPs
All results have been reviewed in accordance with QP22



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Page 1

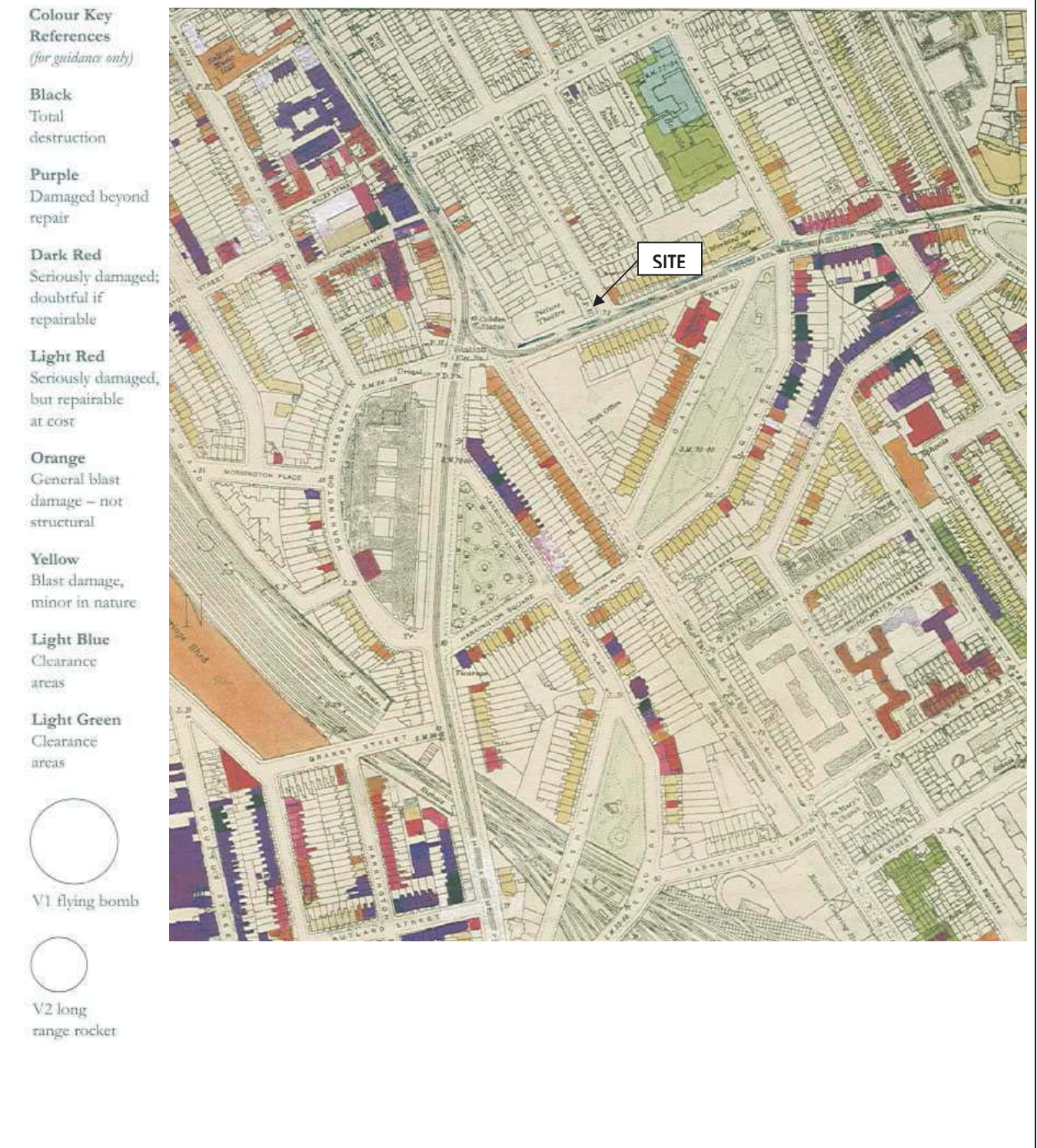


Report checked
and authorised by :
Sarah Watt-Roy
Project Manager

Issued by :
Sarah Watt-Roy
Project Manager

APPENDIX D

Bomb Map



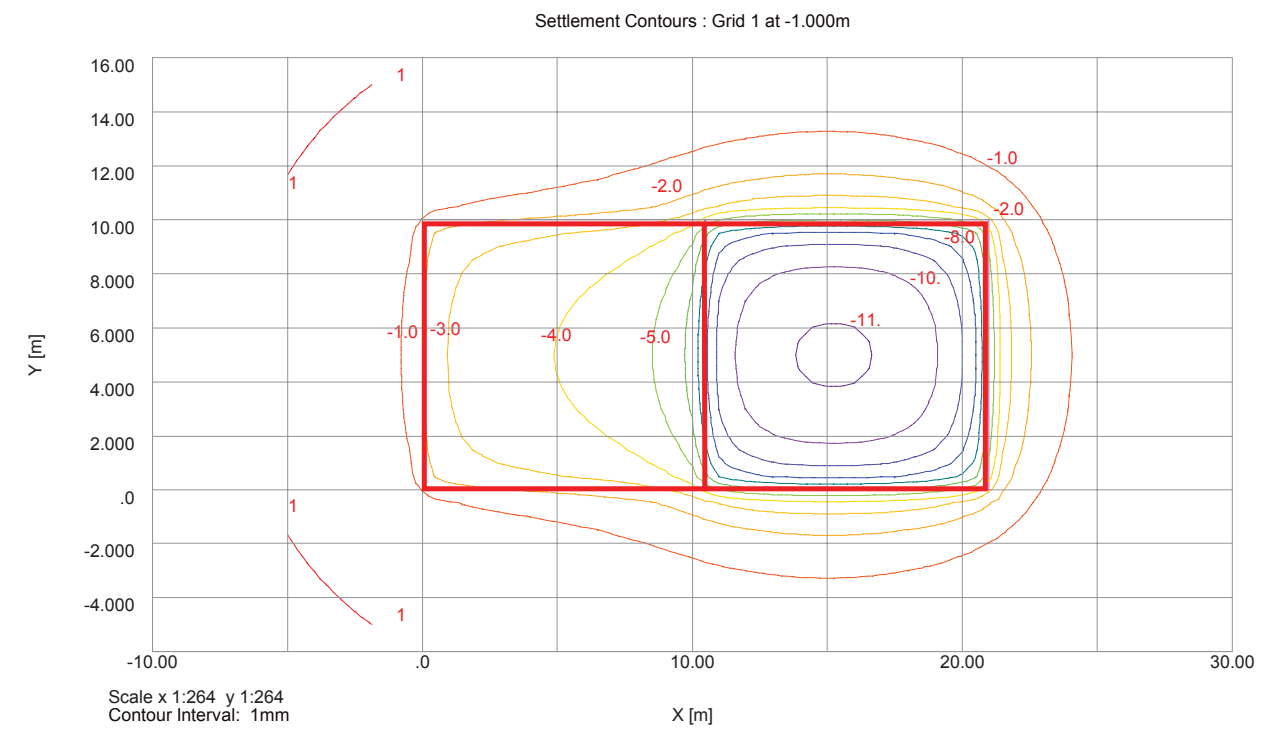
APPENDIX E

PDISP Output for heave displacements

Oasys

Hope and Anchor Public House
Undrained Displacements
Figure U1

Job No.	Sheet No.	Rev.
J11708		
Drg. Ref.		
Made by	Date 27-Mar-2014	Checked



Job No.	Sheet No.	Rev.
J11708		
Drg. Ref.		
Made by	Date 27-Mar-2014	Checked

