

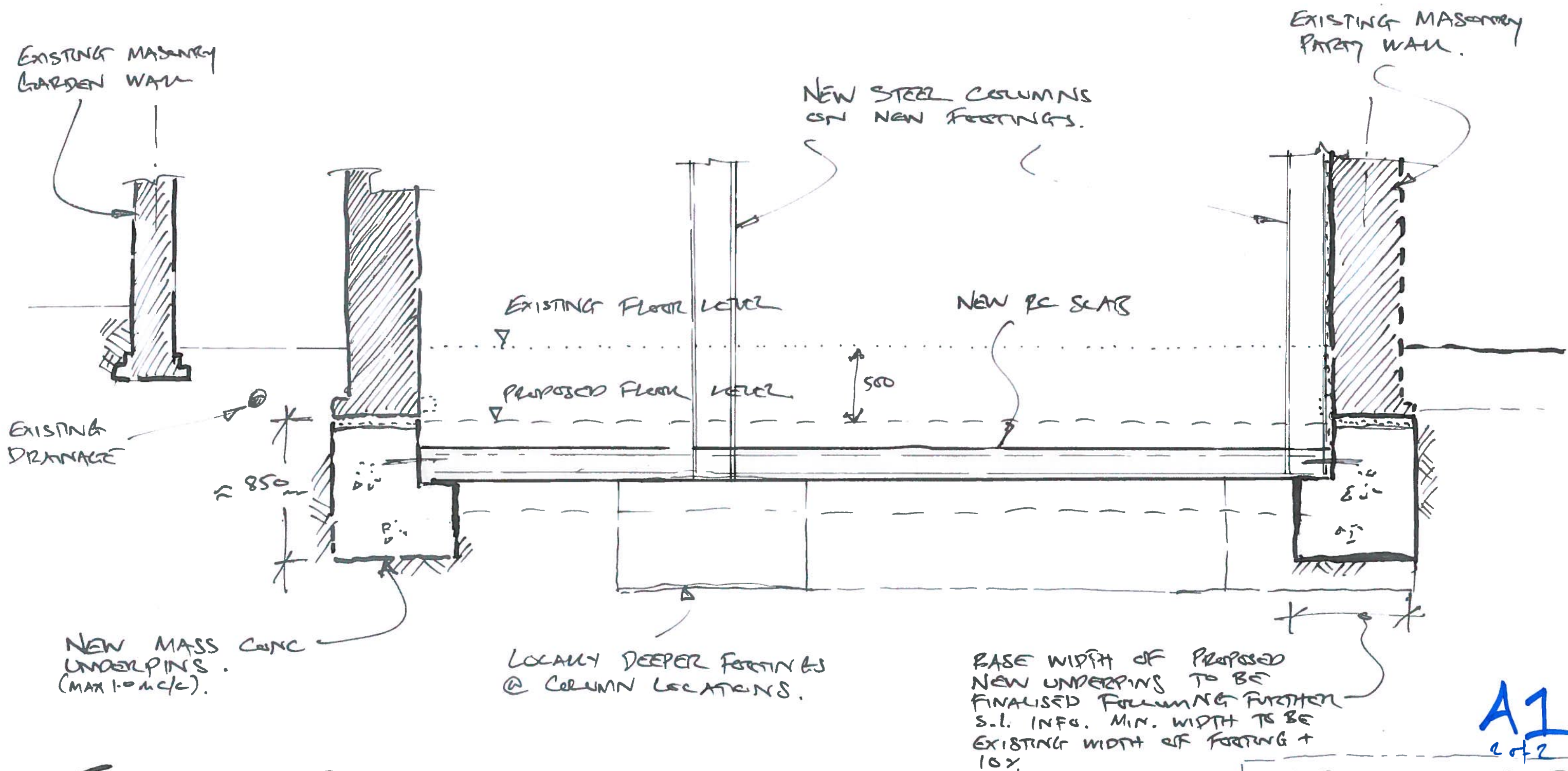
# Appendix A

Surveys and proposed structure

A1338/SK15

A1





# TYPICAL PROPOSED SECTION THROUGH LOWERED FOUNDATIONS

( $\approx 1:25 @ A3$ )

A1  
2 of 2

12 PROVOST RD, NWS

UNDERPINNING  
DETAIL

A1338/SK16

**Gareth Atkinson**

**From:** Jason Kanellis <Jason.Kanellis@gesl.net>  
**Sent:** 13 July 2012 16:47  
**To:** Gareth Atkinson  
**Cc:** Jonathan.Tingley@gesl.net  
**Subject:** Provost Road, Camden - Preliminary Information  
**Attachments:** GE8830 - Site Investigation Plan.pdf; GE8830 - Logs (draft).pdf; GE8830 - FE Drawing TP1 A.pdf; GE8830 - FE Drawing TP1 B.pdf; GE8830 - FE Drawing TP2 A.pdf; GE8830 - FE Drawing TP2 B.pdf

Gareth,

We can confirm that we have completed the site works at the above named site. The investigation confirmed the anticipated ground conditions of London Clay beneath variable thicknesses of either Topsoil or paving slab/subgrade.

Two window sampler boreholes were undertaken to a maximum depth of 6.00m below ground level (bgl). A layer of Type 2 sub base was identified in WS1 to a depth of 0.40m bgl. Topsoil comprising silty clay with rootlets was encountered within WS2 only, to a depth of 0.25m bg. The London Clay was ultimately encountered to a depth of 6.00m bgl (maximum depth of investigation) and generally comprised firm to stiff and very stiff brown, orange and grey mottled gravelly clay and silty clay with frequent selenite crystals. The gravelly clay horizon was identified within both WS locations to depths ranging between 0.70m and 0.75m bgl.

Groundwater was not encountered during the intrusive investigation. However, perched water was identified on top of the London Clay in all trial pits. One land gas and groundwater monitoring standpipe was installed within WS2, and is due to be monitored on one occasion over the next week.

A preliminary falling head soakage test was undertaken within WS1. An indicative infiltration rate could not be calculated as no drop in head was observed over 1 hour (after which the water level rose due to heavy rain). It is recommended that an alternative means of surface water disposal be sought.

Window sampler logs, foundation exposure drawings and a site investigation plan are attached to this email.

Should you have any queries, please do not hesitate to contact us.

Kind regards,

**Jason Kanellis**

BSc (Hons)

Engineer

M: +44 (0) 7760 426201

T: +44 (0) 1273 699399

F: +44 (0) 1273 699388

W: [www.gesl.net](http://www.gesl.net)



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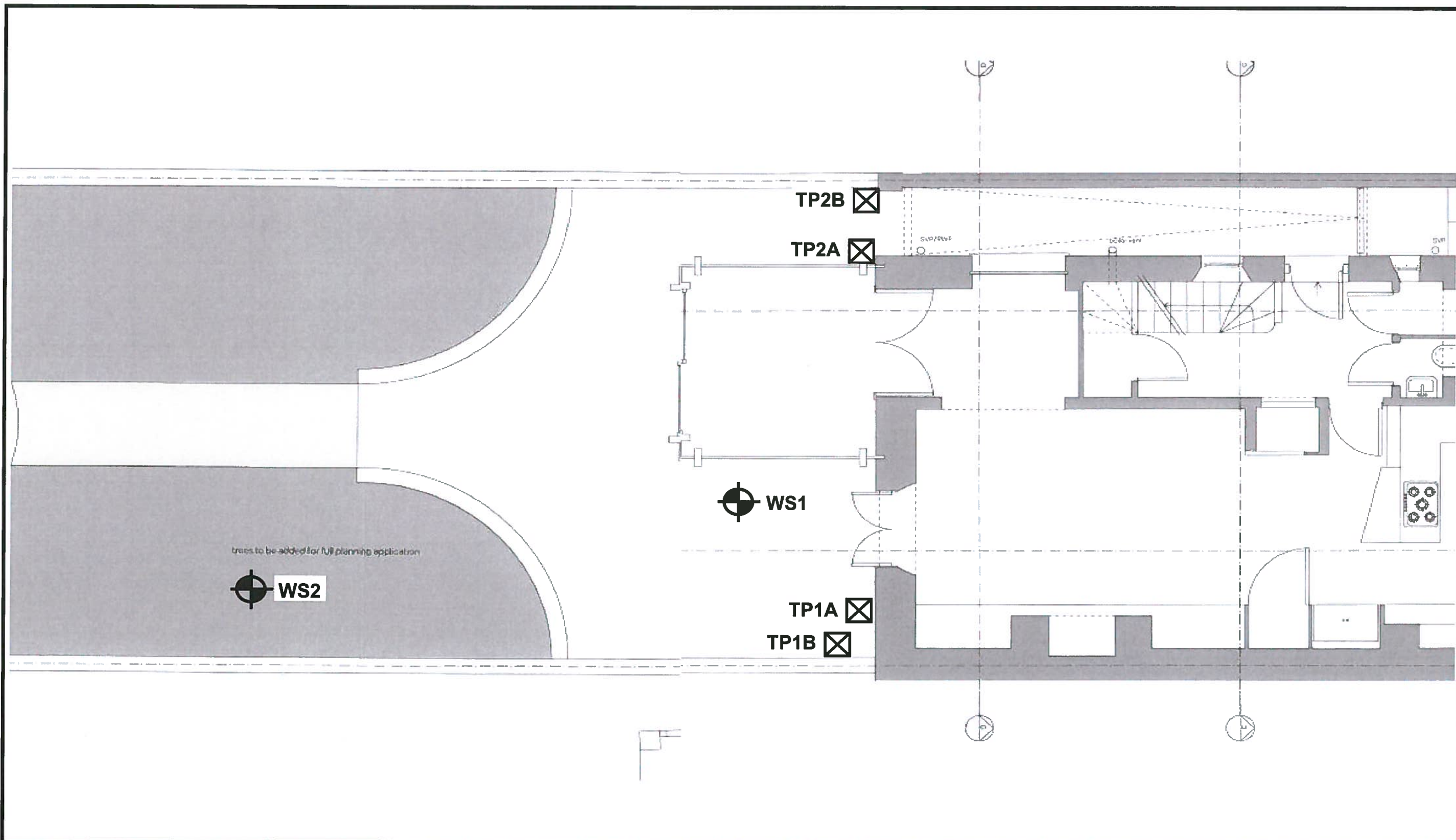
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**SITE INVESTIGATION  
INITIAL FINDINGS.**

**APPENDIX A 2**





<b>Project:</b>	Provost Road, Camden			<b>Title</b>	<b>Site Investigation Plan</b>	
<b>Client:</b>	CT&P			<b>Geo-Environmental Services Limited</b> <b>28 Crescent Road, Brighton, BN2 3RP</b> <b>T: 01273 699 399 F: 01273 699 388</b> <b>E: mail@gesl.net W: www.gesl.net</b>		
<b>Ref No:</b>	GE8830	<b>Revision:</b>	v1			
<b>Drawn:</b>	JK	<b>Date:</b>	10/07/2012			
<b>Figure:</b>	2	<b>Scale:</b>	Not To Scale			
				 <b>Geo-Environmental</b>		

SAMPLING & TESTING	STRATA DESCRIPTION	STRATA				
		Legend	mOD	mBGL	Water	S/Pipe
0.20 (1)	Paving slab			0.07		
	Orange/brown bedding sand. (SUB BASE)			(0.18)		
0.35 (2)	Brown/red gravelly sand with occasional clay inclusions and rare carbonaceous inclusions. (SUB BASE)			0.25		
				(0.15)		
0.50 HPEN=1.0kg/cm2 (3)	Firm brown orange and grey mottled gravelly CLAY. Gravel comprises fine to medium sub-rounded flint with occasional roots (1-2mm). (LONDON CLAY)			0.40		
				(0.35)		
1.00 HPEN=1.8kg/cm2 (4)	Stiff brown and grey mottled silty CLAY with occasional selenite crystals. (LONDON CLAY)			0.75		
1.50 HPEN=2.3kg/cm2 (5)						
				(1.45)		
2.00 HPEN=2.8kg/cm2 (6)						
2.50 HPEN=2.3kg/cm2 (7)	Stiff to very stiff brown and grey mottled silty CLAY. (LONDON CLAY)			2.20		
3.00 HPEN=3.5kg/cm2 (8)						
				(1.80)		
3.50 HPEN=3.0kg/cm2 (9)						
4.00 HPEN=3.8kg/cm2 (10)	Stiff to very stiff brown and grey mottled silty CLAY with frequent selenite crystals. (LONDON CLAY)			4.00		
4.50 HPEN=3.0kg/cm2 (11)						
5.00 HPEN=3.8kg/cm2 (12)						
				(2.00)		
5.50 HPEN=4.5kg/cm2 (13)						

End of Borehole at 6.00 m

SAMPLES: D=disturbed B=bulk U=undisturbed TESTS: MAC=macintosh IVAN=vane HPEN=penetrometer SPT=split-spoon CPT=cone WATER: =strike =rest OTHERS: (2.00)=strata

Stability: No instability encountered.	Type: Hydraulic Window Sampler Geoprobe	Ref: GE8830	Position: WS1
Groundwater: No Groundwater Encountered	Method: Handheld	Start: 10/07/2012	Scale: 1:30
Plant: Handheld	Project: Provost Road, Camden	Finish: 10/07/2012	Size:
Remarks: Back filled on completion of falling head soakage test.	Client: CT&P	Filled: 10/07/2012	Depth: 6.00mBGL
		Eng: JK	Level: -
		Drawn: JK	Figure: FIG
		Ckd: JK	Sheet: Sheet 1 of 1

SAMPLING & TESTING	STRATA DESCRIPTION	STRATA				
		Legend	mOD	mBGL	Water	S/Pipe
0.50 HPEN=1.3kg/cm2	Grass over silty clay with occasional rootlets. (TOPSOIL)			(0.25)		
	Firm brown orange and gry mottled silty CLAY with occasional fine to medium sub-rounded flint gravel. (LONDON CLAY)			0.25		
1.00 HPEN=1.3kg/cm2				(0.45)		
1.50 HPEN=1.3kg/cm2	Firm to stiff and very stiff brown and grey mottled silty CLAY with occasional selenite crystals. (LONDON CLAY)			0.70		
2.00 HPEN=2.5kg/cm2						
2.50 HPEN=3.0kg/cm2						
				(3.30)		
3.00 HPEN=2.5kg/cm2						
3.50 HPEN=3.3kg/cm2						
4.00 HPEN=4.5kg/cm2	End of Borehole at 4.00 m			4.00		

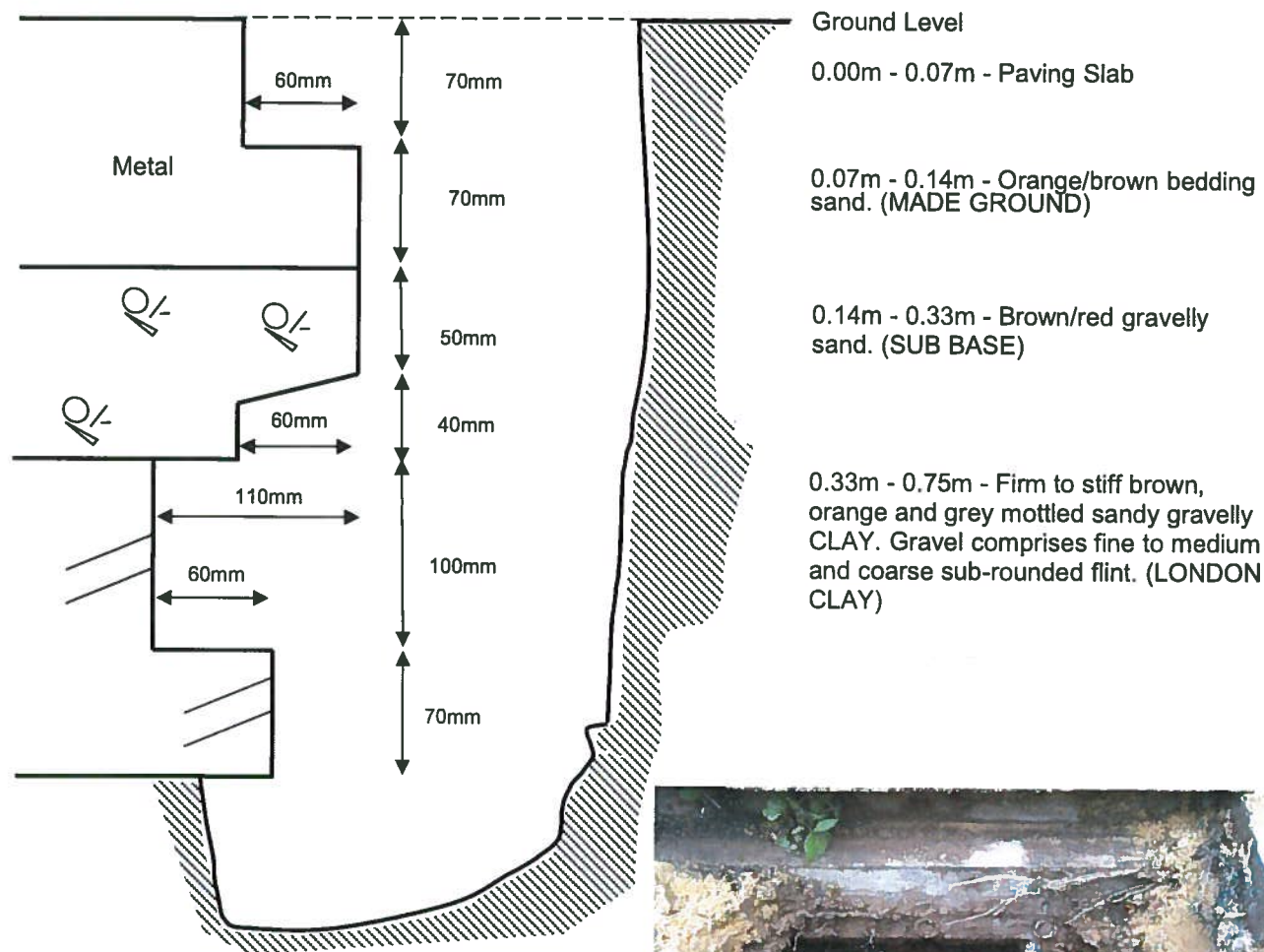
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Stability: No instability encountered.	Type: Hydraulic Window Sampler Geoprobe	Ref: GE8830	Position: WS2
Groundwater: No Groundwater Encountered	Method: Handheld	Start: 10/07/2012	Scale: 1:30
Plant: Handheld	Project: Provost Road, Camden	Finish: 10/07/2012	Size:
Remarks: Standpipe installed to 4.0m.	Client: CT&P	Filled: 10/07/2012	Depth: 4.00mBGL
		Eng: JK	Level: -
		Drawn: JK	Figure: FIG
		Ckd: JK	Sheet: Sheet 1 of 1

3 of 5

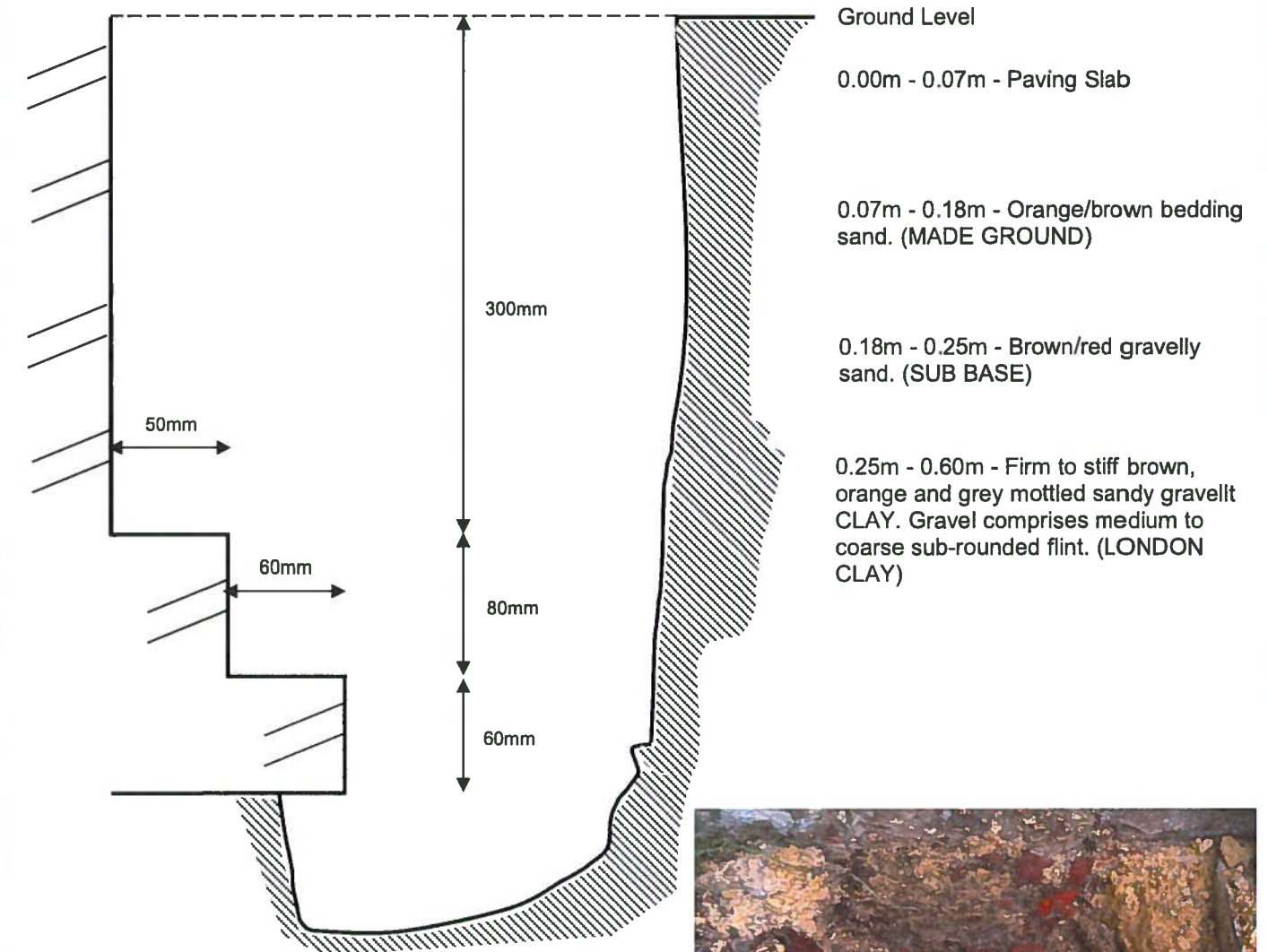


## TP1 (A)



<b>Project:</b>	Provost Road, Camden			<b>Title</b>	TP1 (A)
<b>Client:</b>	CT&P			Geo-Environmental Services Ltd	
<b>Ref No:</b>	GE8830	<b>Revision:</b>	v1	28 Crescent Road, Brighton, BN2 3RP	
<b>Drawn:</b>	JK	<b>Date:</b>	10/07/2012	T: 01273 699 399 F: 01273 699 388	
<b>Figure:</b>		<b>Scale:</b>	Not To Scale	E: mail@gesl.net W: www.gesl.net	

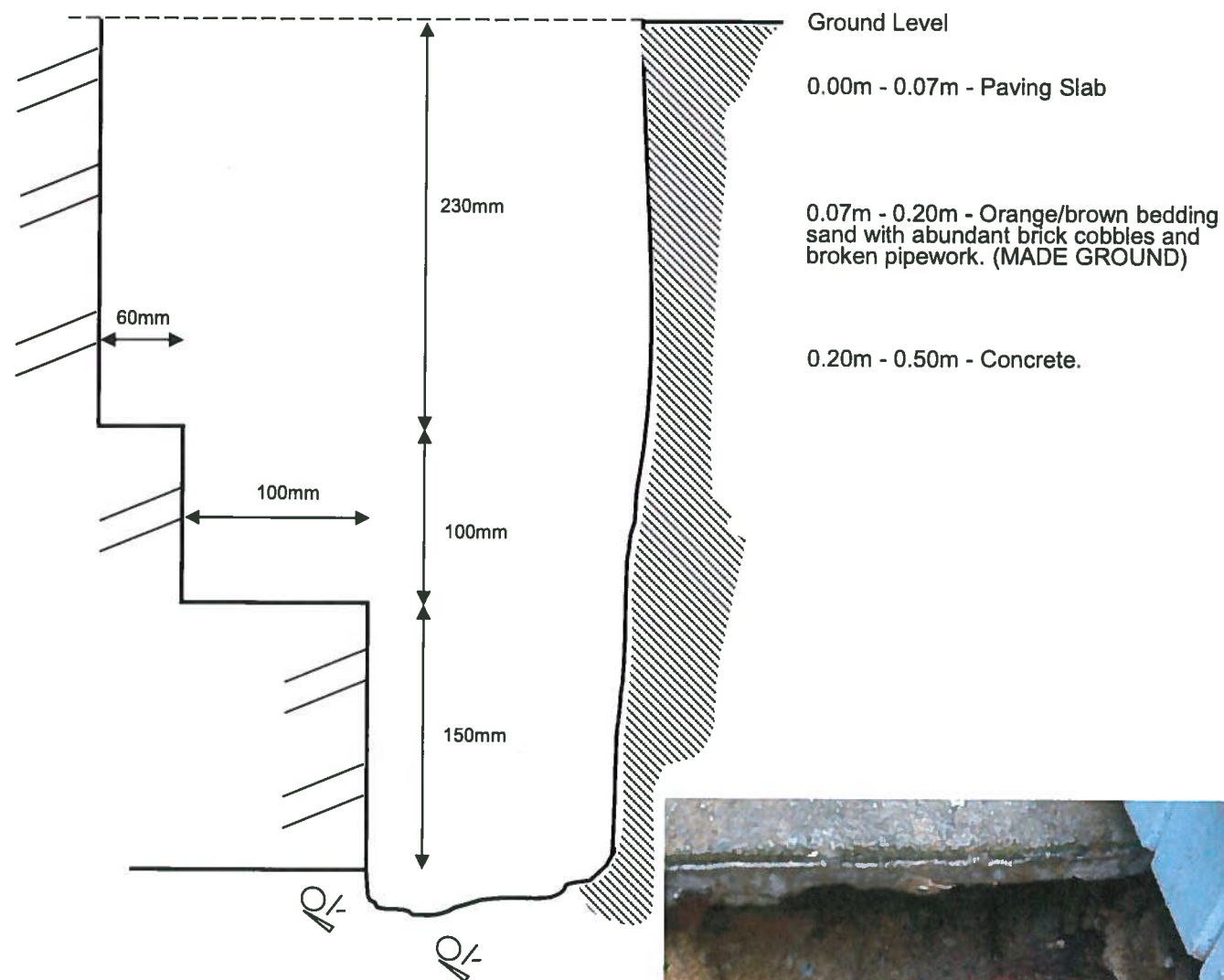
## TP1 (B)



<b>Project:</b>	Provost Road, Camden			<b>Title</b>	TP1 (B)
<b>Client:</b>	CT&P			Geo-Environmental Services Ltd	
<b>Ref No:</b>	GE8830	<b>Revision:</b>	v1	28 Crescent Road, Brighton, BN2 3RP	
<b>Drawn:</b>	JK	<b>Date:</b>	10/07/2012	T: 01273 699 399 F: 01273 699 388	
<b>Figure:</b>		<b>Scale:</b>	Not To Scale	E: mail@gesl.net W: www.gesl.net	



### TP2 (A)

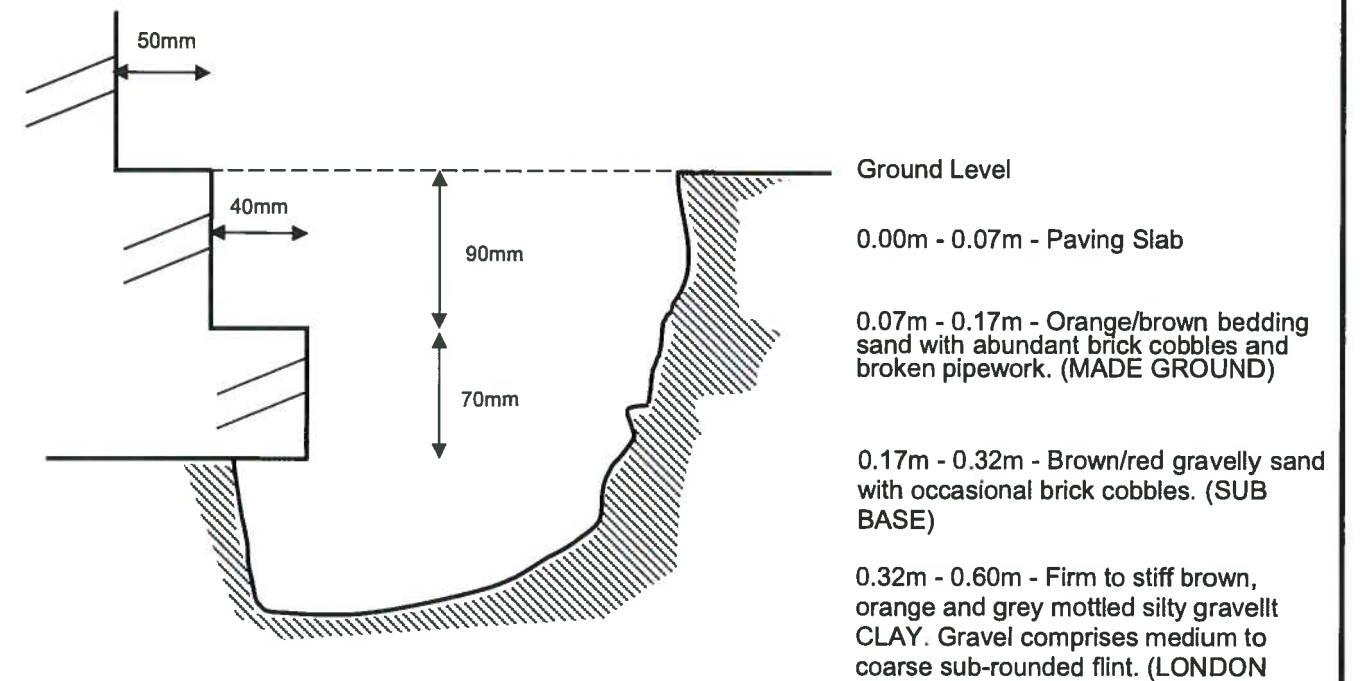


NB. Underside of footing not uncovered



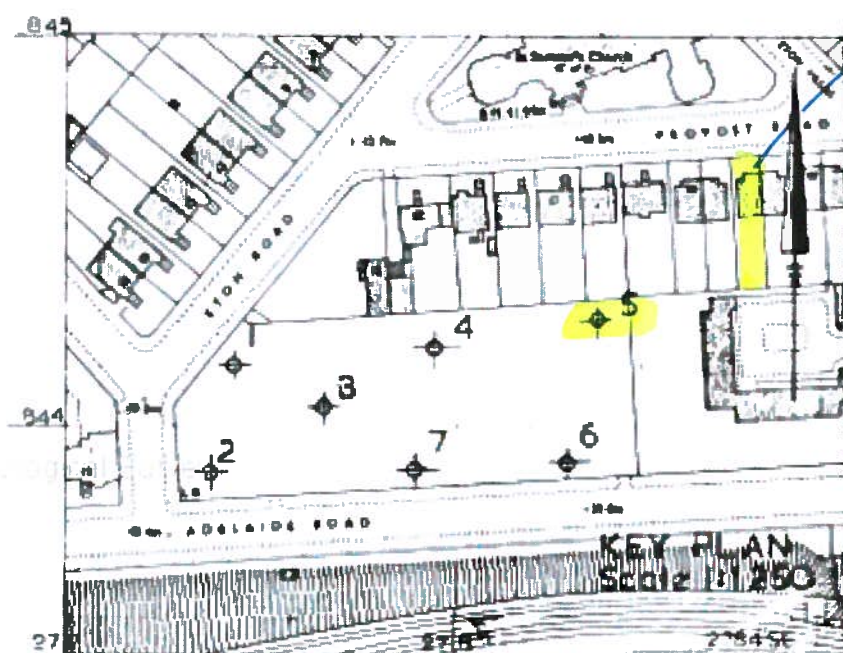
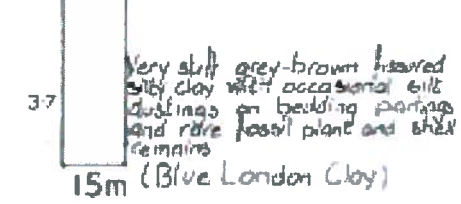
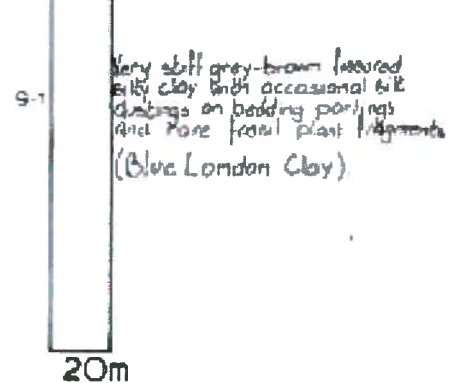
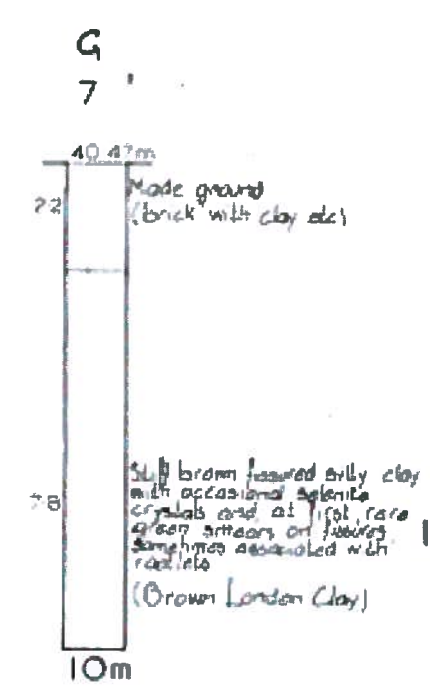
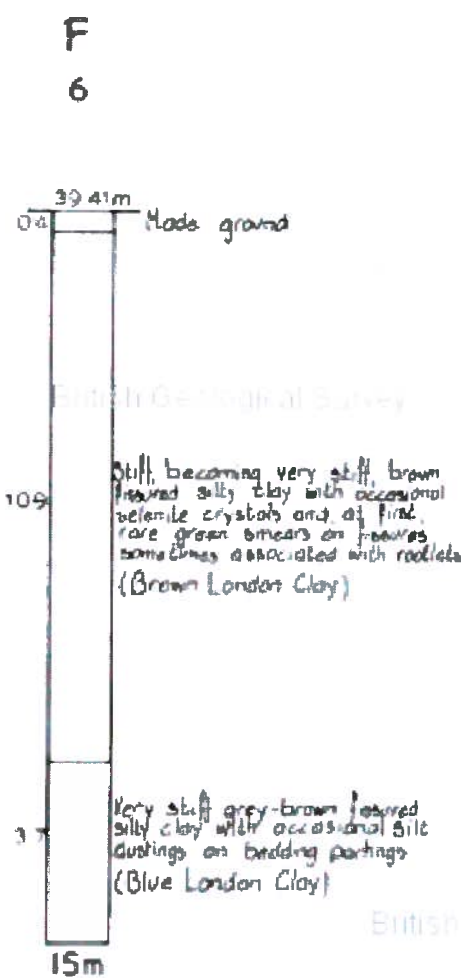
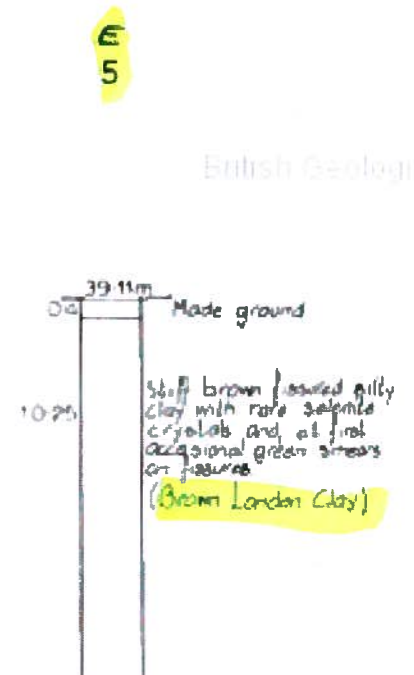
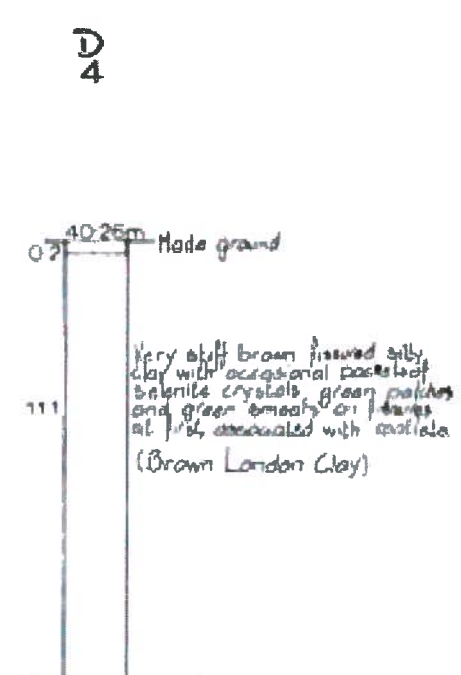
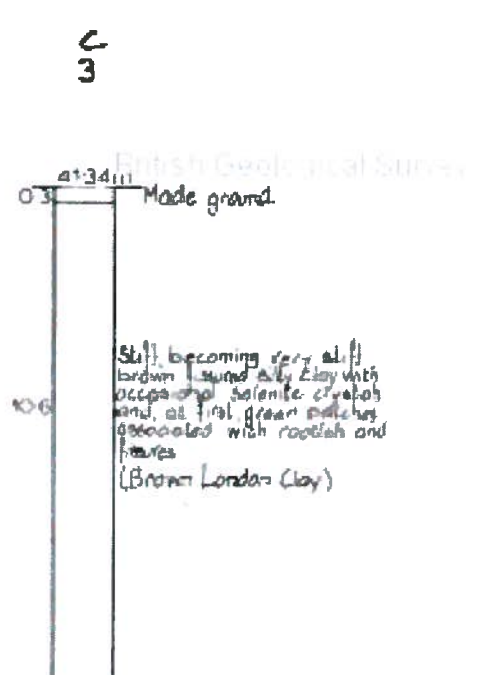
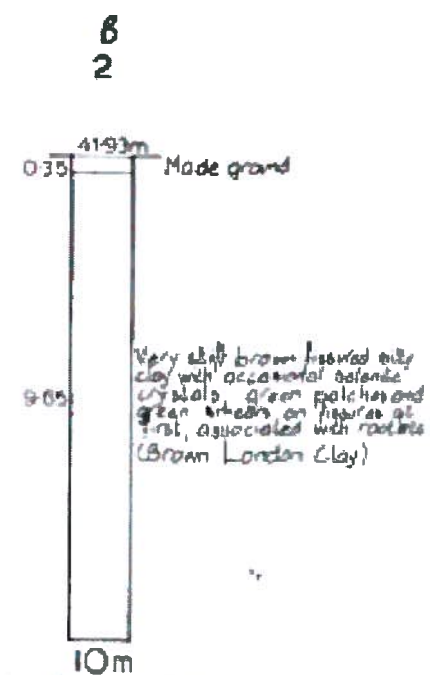
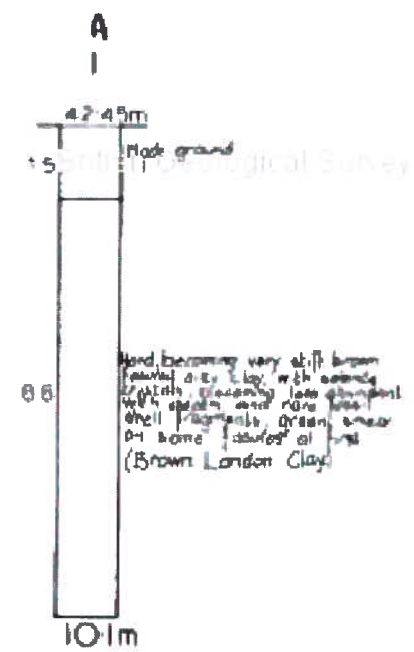
<b>Project:</b>	Provost Road, Camden			<b>Title</b>	TP2 (A)
<b>Client:</b>	CT&P			<b>Geo-Environmental Services Ltd</b> 28 Crescent Road, Brighton, BN2 3RP T: 01273 699 399 F: 01273 699 388 E: mail@gesl.net W: www.gesl.net	
<b>Ref No:</b>	GE8830	<b>Revision:</b>	v1		
<b>Drawn:</b>	JK	<b>Date:</b>	10/07/2012		
<b>Figure:</b>		<b>Scale:</b>	Not To Scale		

### TP2 (B)



<b>Project:</b>	Provost Road, Camden			<b>Title</b>	TP2 (B)
<b>Client:</b>	CT&P			<b>Geo-Environmental Services Ltd</b> 28 Crescent Road, Brighton, BN2 3RP T: 01273 699 399 F: 01273 699 388 E: mail@gesl.net W: www.gesl.net	
<b>Ref No:</b>	GE8830	<b>Revision:</b>	v1		
<b>Drawn:</b>	JK	<b>Date:</b>	10/07/2012		
<b>Figure:</b>		<b>Scale:</b>	Not To Scale		





Job no HO 1071 Drawing no 01

**GLC ILEA**  
Department of Architecture and Civic Design  
County Hall SE1 7PB  
Architect: Sir Roger Walters  
1981-1982

Project: [ ]  
Drawn: [ ] checked: [ ] section ref: [ ]  
Telephone: 01 633 8337

Architect: [ ]  
Notes:  
1 Newlyn Datum Levels  
2 Trial Borings  
3 Water not encountered in May 1974

NO WATER ENCOUNTERED.

Site: [ ]

Adelaide Rd  
Camden  
TRIAL BORINGS  
1-9

KEY PLAN & SECTIONS  
Scale: 1:100  
VERTICAL: 1:100  
Horizontal: 1:250

Job no HO 1071 Drawing no 01

**Client :** K & T London Ltd  
c/o CTP

**Site :** 12 Provost Road  
Camden  
London  
NW3 4ST

**Date :** 10<sup>th</sup> July 2012

## CCTV Survey Report



Sewer Inspection,  
Cleaning and Repair

Survey Ref : TV120715

Colin Toms & Partners

INSEWER SURVEYS  
LORDSWOOD INDUSTRIAL ESTATE  
CHATHAM, KENT ME5 8UD  
Tel: 01634 861 768. Fax: 01634 201 376

### Project-information

Project name:  
TV120715

Contract number:

Contact:

Date:  
10/07/2012

Client: Colin Toms & Partners  
Contact: Gareth Atkinson  
Position: Suffolk House  
Road: 154 High Street  
Town: Sevenoaks  
County: Kent TN13 1XE  
Telephone: 01732 740 195  
Fax:  
Mobile:  
E-Mail:

Site  
Contact:  
Position:  
Road: 12 Provost Road  
Town: Camden  
County: London NW3 4ST  
Telephone:  
Fax:  
Mobile:  
E-Mail:

Contractor: INSEWER SURVEYS  
Contact: LIAM SELLAR  
Position:  
Road: 16A REVENGE ROAD  
Town: LORDSWOOD INDUSTRIAL ESTATE  
County: CHATHAM, KENT ME5 8UD  
Telephone: 01634 861 768  
Fax: 01634 201 376  
Mobile: 07802 660 752  
E-Mail: liam@insewer.co.uk

APPENDIX - A3





**InSewer Surveys**  
*Sewer Inspection, Cleaning  
& Repair*

## **CCTV / Drainage Investigation : Project Overview**

Thank you for commissioning InSewer Surveys to carry out your survey. We trust you have found our service to your satisfaction.

Enclosed is the detailed report for the entire survey as recorded on the DVD.

The report is cross-referenced to the DVD and enclosed key plan.

If applicable we have included a list of recommended remedial or further works.

Please note that any included recommendations are offered to assist you, the client, in making decisions on suggested remedial works highlighted by the survey. They are the considered opinion of the writer and InSewer Surveys cannot be held liable for any discrepancies or omissions.

Please have no hesitation in contacting the undersigned should you require further details, information or our most competitive quotation to carry out the suggested remedial works.

**Liam Sellar**

*For and behalf of InSewer Surveys part of the Hydro Group of Companies*

***"Successfully serving our customers for 30 years"***  
**1977 - 2007**

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Telephone: 01634 861768 Facsimile: 01634 201376 email : mail@insewer.co.uk



**InSewer Surveys**  
**for CCTV, Sewer Location  
and Repair**

# Recommendations

InSewer Surveys is a trading name of Hydro DeScaling Limited Registered in England No. 1304128  
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Telephone: 01634 861768 Facsimile: 01634 201376 email : mail@insewer.co.uk