



Ref: JB/14-318.01/R-1

4 December 2014

Stefan Piasecki
Form Structural Design Ltd

By email only

Dear Stefan

**RE: GROUND INVESTIGATION INTERIM FACTUAL REPORT
ST PAULS MEWS, LONDON, NW1 9TZ**

Recent ground investigation works completed at the above site comprised;

- 🌿 2 December 2014 - Mechanical and hand excavated trial holes to expose boundary wall foundation conditions.
- 🌿 3 December 2014 - Cable and Percussion Borehole to 15m.

Please find the following enclosed;

- 🌿 Figure 1 - Exploratory Hole Location Plan.
- 🌿 Trial Pit Logs and Photographs.
- 🌿 Borehole Log.

Trial pits recorded shallow concrete footings.

The borehole recorded a thin mantle of Made Ground (0.8m) overlying soft to firm, becoming stiff and very stiff CLAY of the London Clay Formation. At formation level of approximately 3.0m the CLAY is 'stiff'.

Groundwater was struck within the pits and borehole within the upper metre where we suspect perched water is resting within the Made Ground unit and upon the underlying CLAY. A monitoring well has been installed to enable future monitoring.

Laboratory testing has been scheduled and we expect the results in 2-3 weeks time. We would expect to issue our report in early January 2015 to account for Christmas closures.

Yours sincerely

James Burkitt BEng (Hons) CEnv MRICS
Managing Director

Encs

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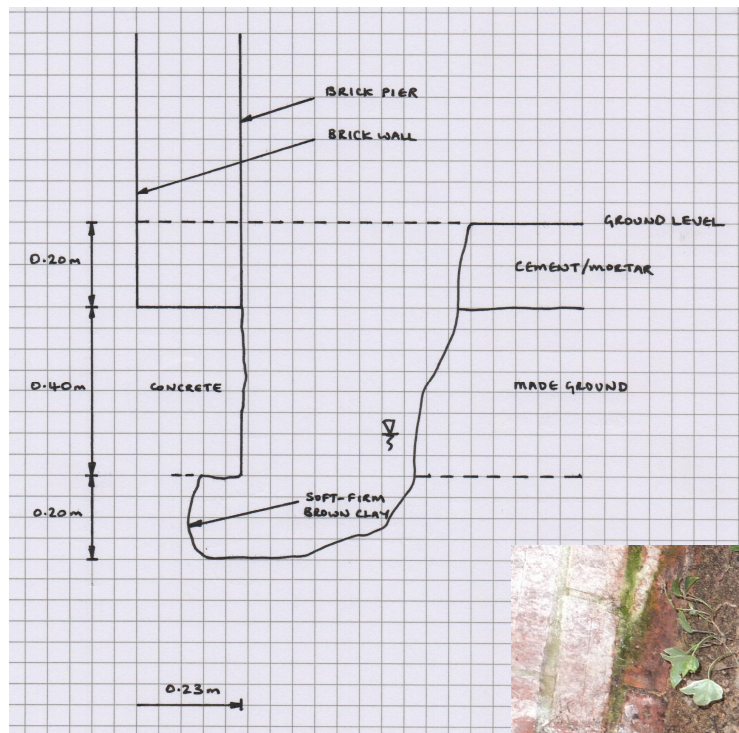
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Company no. 06471259 - VAT no. 929 5083 96



TRIAL PIT LOG

Project: Parking Area, St Pauls Mews, London, NW1 9TZ		Project No. 14-318.01	Trial Pit: TP1
Client: St Pauls Mews Limited		Start: 02.12.2014	End: 02.12.2014
Method/Plant Used: 3t mini digger + Hand		Co-ordinates: NT	Ground Level: NT
		Sheet: 1 of 1	

Trial Hole Sketch, Log and Photograph



Water level observations (depths in metres below gl)

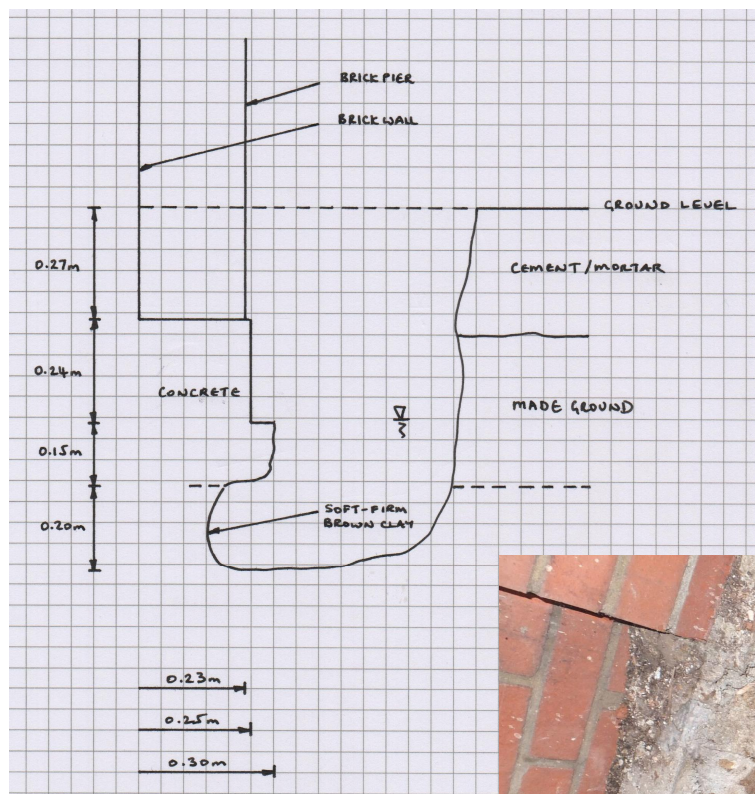
Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
02.12.2014	0.50	0.50	NT	0.50	
			By	Date	
			Logged	OB	02.12.2014
			Checked	JB	03.12.2014
					Scale NTS

Remarks

Backfilled on completion. Completed against brick pier.

Project: Parking Area, St Pauls Mews, London, NW1 9TZ		Project No. 14-318.01	Trial Pit: TP2
Client: St Pauls Mews Limited		Start: 02.12.2014	End: 02.12.2014
Method/Plant Used: 3t mini digger + Hand		Co-ordinates: NT	Ground Level: NT
		Sheet: 1 of 1	

Trial Hole Sketch, Log and Photograph



Water level observations (depths in metres below gl)

Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
02.12.2014	0.50	0.50	NT	0.50	
			By	Date	
			Logged	OB	02.12.2014
			Checked	JB	03.12.2014
			Scale NTS		

Remarks

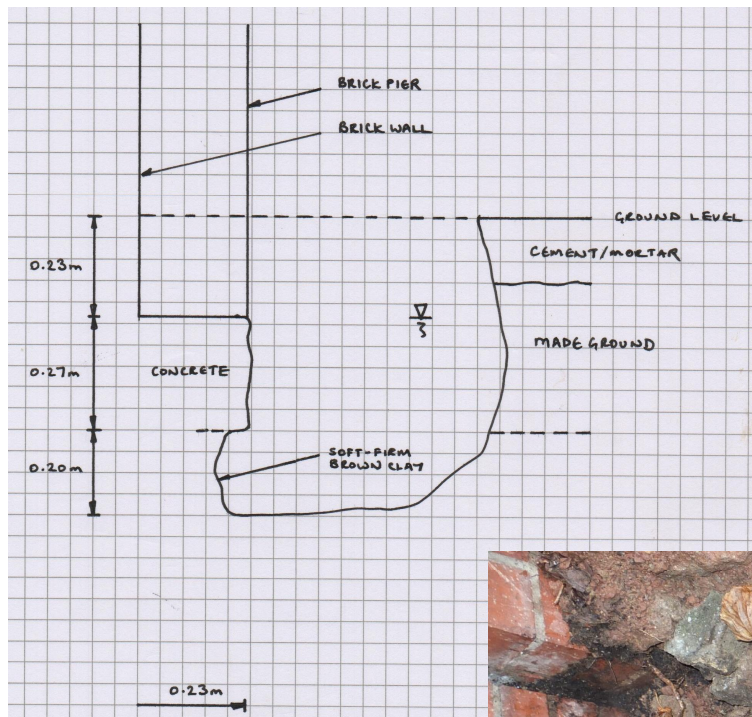
Backfilled on completion. Completed against brick pier.



TRIAL PIT LOG

Project: Parking Area, St Pauls Mews, London, NW1 9TZ		Project No. 14-318.01	Trial Pit: TP3
Client: St Pauls Mews Limited		Start: 02.12.2014	End: 02.12.2014
Method/Plant Used: 3t mini digger + Hand		Co-ordinates: NT	Ground Level: NT
		Sheet: 1 of 1	

Trial Hole Sketch, Log and Photograph



Water level observations (depths in metres below gl)

Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
02.12.2014	0.25	0.25	NT	0.25	
			By	Date	
			Logged	OB	02.12.2014
			Checked	JB	03.12.2014
			Scale NTS		

Remarks

Backfilled on completion. Completed against brick pier.



BOREHOLE LOG

Project:				Project No.		Borehole:	
Parking Area, St Pauls Mews, London, NW1 9TZ				14-318.01		BH1	
Client:				Start:		End:	
St Pauls Mews Limited				03.12.2014		03.12.2014	
Method/Plant Used:				Co-ordinates:		Ground Level:	
Dando 2000				NT		NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Sheet Depth (m)	Samples/Tests			SPT Results						Laboratory Test Details
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N Value	
MADE GROUND; Concrete (0.2m) brown, orange, clayey, sandy Gravel with occasion brick and concrete		(0.80)		0.5	1	CD							
Soft to firm brown, locally mottled grey CLAY (London Clay Formation)		0.80 (2.40)		1.2-1.7	2	CD	1	2	2	2	2	2	8
				2.2-2.7	3	CD	2	2	1	2	2	3	8
				3.2-3.7	4	CD	4	3	4	4	4	3	15
Stiff, rown locally mottled grey CLAY (London Clay Formation)		(1.80)		4.2-4.7	5	U							
Continued....		5.00	5.0										

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
03.12.2014	150	1.20				03.12.2014	0.80	0.80	Seep	Cut off	
Remarks									By	Date	
Standpipe installed to 5.0m with steel cover. Ground level to 2.0m Plain pipe. 2.0m to 5.0m Slotted pipe.									Logged	JB	03.12.2014
									Checked	OB	04.12.2014
											Scale 01:25



BOREHOLE LOG

Project: Parking Area, St Pauls Mews, London, NW1 9TZ				Project No: 14-203.01	Borehole: BH1
Client: St Pauls Mews Limited			Start: 03.12.2014	End: 03.12.2014	Sheet: 2 of 3
Method/Plant Used: Dando 2000		Co-ordinates: NT		Ground Level: 22.20m ASD	

Description of Strata	Legend	Depth (m bgl) (thickness)	Sheet Depth (m)	Samples/Tests			SPT Results					N' Value	Laboratory Test Details
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm		
Stiff to very stiff, brown, locally mottled grey CLAY (London Clay Formation)		(3.20)		5.2-2.7	6	CD	6	7	6	6	7	26	
				6.2-6.7	7	CD	6	5	6	6	7	27	
				7.2-7.7	8	U							
Very stiff, grey locally dark brown, blue, fissured CLAY (London Clay Formation)		(6.80)		8.2-8.7	9	CD	6	6	7	7	8	30	
				9.2-9.7	10	CD	7	6	9	9	9	36	
Continued....			10.0										

Casing record			Chiselling records			Water level observations (depths in metres below gl)						
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks	
Remarks									By	Date		
									Logged	JB	03.12.2014	
									Checked	OB	04.12.2014	Scale 01:25



BOREHOLE LOG

Project: Parking Area, St Pauls Mews, London, NW1 9TZ				Project No. 14-318.01	Borehole: BH1
Client: St Pauls Mews Limited			Start: 03.12.2014	End: 03.12.2014	Sheet: 3 of 3
Method/Plant Used: Dando 2000		Co-ordinates: NT		Ground Level: NT	

Description of Strata	Legend	Depth (m bgl) (thickness)	Sheet Depth (m)	Samples/Tests			SPT Results						Laboratory Test Details
				Depth	No	Type	75mm	75mm	75mm	75mm	75mm	N' Value	
...continued Very stiff, grey locally dark brown, blue, fissured CLAY (London Clay Formation)				10.2-10.7	12	CD	7	6	8	9	9	10	36
				12.2-12.7	13	CD	8	8	9	9	10	10	38
				14.2-14.7	14	CD	8	8	9	9	10	11	39
EOBH		15.00	15.0										

Casing record			Chiselling records			Water level observations (depths in metres below gl)					
Date	Diameter (mm)	Depth (m)	Time	From (m)	To (m)	Date	Water strike	Water level (after 20mins)	Flow	Standing level	Remarks
Remarks									By	Date	
									Logged	JB	03.12.2014
									Checked	OB	04.12.2014
										Scale	01:25