



APPENDIX 'A'

Borehole / Trial Pit Logs

Site Analytical Services Ltd.						Site 52 HOLMES ROAD,LONDON,NW5 3AB		Borehole Number BH1	
Boring Method ROTARY PERCUSSIVE		Casing Diameter 128mm cased to 0.00m		Ground Level (mOD)		Client MAISON HENRY BERTRAND (ENGLAND) LTD		Job Number 1625450	
		Location TQ288850		Dates 30/06/2016		Engineer G.D.C PARTNERSHIP		Sheet 1/2	
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.25	D1					(0.20)	MADE GROUND: Reinforced concrete		
0.50	D2					0.20 (0.20)	MADE GROUND: Slightly gravelly sand with fragments of brick and concrete rubble. Gravel is fine to coarse of sub-angular to sub-rounded flint		
0.75	D3					0.40 (0.30)	MADE GROUND: Yellow brown slightly gravelly sand with fragments of brick and concrete rubble. Gravel is fine to medium of sub-angular to sub-rounded flint		
1.00-1.45	SPT(C) N=7		DRY	1,1/1,2,2,2		0.70 (0.30)	MADE GROUND: Soft,mottled brown slightly gravelly silty clay with fragments of brick and concrete rubble. Gravel is fine of sub-angular to sub-rounded flint		
1.00	D4					1.00	MADE GROUND: Soft,mottled brown slightly gravelly silty clay with fragments of brick and concrete rubble. Gravel is fine of sub-angular to sub-rounded flint		
1.75	D5						Firm becoming stiff, mottled brown sandy silty CLAY		
2.00	D6								
2.00-2.45	U1 40								
2.75	D7								
3.00-3.45	SPT N=11		DRY	1,1/2,3,3,3					
3.00	D8								
3.75	D9								
4.00	D10								
4.00-4.45	U2 70								
4.75	D11								
5.00-5.45	SPT N=18		DRY	3,3/4,4,5,5		(8.30)			
5.00	D12								
6.00	D13								
6.50	D14								
6.50-6.95	U3 115								
7.50	D15								
8.00-8.45	SPT N=29		DRY	6,6/7,7,7,8					
8.00	D16								
9.00	D17								
9.50	D18					9.30	Very stiff, blue sandy silty CLAY with occasional gypsum crystals		
9.50-9.95	U4 130					(0.70)			

Remarks

D= Disturbed Sample
 U= Undisturbed 100mm Diameter Sample
 C= Dynamic Penetration Test - Cone
 S= Standard Penetration Test - Cone
 Groundwater was not encountered during boring/excavation
 Excavating from 0.00m to 1.00m for 1 hour.

Scale (approx)

1:50

Logged By

EW

Figure No.

1625450.BH1

Site Analytical Services Ltd.						Site 52 HOLMES ROAD,LONDON,NW5 3AB		Borehole Number BH1	
Boring Method ROTARY PERCUSSIVE		Casing Diameter 128mm cased to 0.00m		Ground Level (mOD)		Client MAISON HENRY BERTRAND (ENGLAND) LTD		Job Number 1625450	
		Location TQ288850		Dates 30/06/2016		Engineer G.D.C PARTNERSHIP		Sheet 2/2	
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.50	D19					10.00	Very stiff, blue sandy silty CLAY with occasional gypsum crystals		
11.00-11.45 11.00	SPT N=42 D20		DRY	8,9/10,10,11,11					
12.00	D21								
12.50 12.50-12.95	D22 U5 140								
13.50	D23								
14.00-14.45 14.00	SPT N=45 D24		DRY	10,10/11,11,11,12					
15.00	D25					(10.00)			
15.50 15.50-15.95	D26 U6 140								
16.50	D27								
17.00-17.45 17.00	SPT N=48 D28		DRY	10,11/12,12,12,12					
18.00	D29								
18.50 18.50-18.95	D30 U7 150								
19.25 19.55-20.00 19.55	D31 SPT N=55 D32		DRY	12,12/13,14,14,14		20.00			
Remarks D= Distrubed Sample U= Undisturbed 100mm Diameter Sample C= Dynamic Penetration Test - Cone S= Standard Penetration Test - Cone Groundwater was not encountered during boring/excavation									
								Figure No. 1625450.BH1	

Site Analytical Services Ltd.

Standard Penetration Test Results

Site : 52 HOLMES ROAD,LONDON,NW5 3AB

Client : MAISON HENRY BERTRAND (ENGLAND) LTD

Engineer: G.D.C PARTNERSHIP

Job Number

1625450

Sheet

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Borehole Number	Base of Borehole (m)	End of Seating Drive (m)	End of Test Drive (m)	Test Type	Seating Blows per 75mm		Blows for each 75mm penetration				Result	Comments
					1	2	1	2	3	4		
BH1	1.00	1.15	1.45	CPT	1	1	1	2	2	2	N=7	
BH1	3.00	3.15	3.45	SPT	1	1	2	3	3	3	N=11	
BH1	5.00	5.15	5.45	SPT	3	3	4	4	5	5	N=18	
BH1	8.00	8.15	8.45	SPT	6	6	7	7	7	8	N=29	
BH1	11.00	11.15	11.45	SPT	8	9	10	10	11	11	N=42	
BH1	14.00	14.15	14.45	SPT	10	10	11	11	11	12	N=45	
BH1	17.00	17.15	17.45	SPT	10	11	12	12	12	12	N=48	
BH1	19.55	19.70	20.00	SPT	12	12	13	14	14	14	N=55	

Site Analytical Services Ltd.

Site
52 HOLMES ROAD, LONDON, NW5 3AB

Borehole
Number
BH1

Installation Type
Single Installation

Dimensions
Internal Diameter of Tube [A] = 50 mm
Diameter of Filter Zone = 128 mm

Client
MAISON HENRY BERTRAND (ENGLAND) LTD

Job
Number
1625450

Location
TQ288850

Ground Level (mOD)

Engineer
G.D.C PARTNERSHIP

Sheet
1/1

Legend	Water	Instr (A)	Level (mOD)	Depth (m)	Description	Groundwater Strikes During Drilling										
						Date	Time	Depth Struck (m)	Casing Depth (m)	Inflow Rate	Readings				Depth Sealed (m)	
				1.00	Bentonite Seal						5 min	10 min	15 min	20 min		
					Slotted Standpipe											
				5.00	Bentonite Seal	Groundwater Observations During Drilling										
				6.00		Start of Shift					End of Shift					
						Date	Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD)	Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD)
						Instrument Groundwater Observations										
						Inst. [A] Type : Slotted Standpipe										
						Instrument [A]			Remarks							
						Date	Time	Depth (m)	Level (mOD)							
				20.00	General Backfill											

Remarks
Lockable cover set in cement

Site Analytical Services Ltd.						Site 52 HOLMES ROAD,LONDON,NW5 3AB		Borehole Number BH2	
Boring Method CONTINUOUS FLIGHT AUGER		Casing Diameter 100mm cased to 0.00m		Ground Level (mOD)		Client MAISON HENRY BERTRAND (ENGLAND) LTD		Job Number 1625450	
		Location TQ288850		Dates 30/06/2016		Engineer G.D.C PARTNERSHIP		Sheet 1/1	
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.25	D1					0.07 (0.20)	MADE GROUND: Wooden chipboard.		
0.50	D2					0.27 (0.33)	MADE GROUND: Reinforced concrete.		
0.75	D3					0.60	MADE GROUND: Red brick fragments and crush.		
1.00	D4 V1 117						Stiff brown silty sandy CLAY containing partings of silty fine sand and occasional gypsum crystals.		
1.50	D5 V2 130+								
2.00	D6 V3 130+								
2.50	D7 V4 130+								
3.00	D8 V5 130+								
3.50	D9 V6 130+								
4.00	D10 V7 130+								
4.50	D11 V8 130+								
5.00	D12 V9 130+					(9.40)			
6.00	D13 V10 130+								
7.00	D14 V11 130+								
8.00	D15 V12 130+								
9.00	D16 V13 130+								
10.00	D17 V14 130+			30/06/2016:DRY		10.00			
Remarks D = Disturbed sample V = Vane Test - Results in kPa Groundwater was not encountered during drilling. Excavating from 0.00m to 1.00m for 1 hour.							Scale (approx)	Logged By	
							1:50	TM	
							Figure No.		
							1625450.BH2		

Site Analytical Services Ltd.

Site
52 HOLMES ROAD, LONDON, NW5 3AB

Borehole Number
BH2

Installation Type
Single Installation

Dimensions
Internal Diameter of Tube [A] = 50 mm
Diameter of Filter Zone = 100 mm

Client
MAISON HENRY BERTRAND (ENGLAND) LTD

Job Number
1625450

Location
TQ288850

Ground Level (mOD)

Engineer
G.D.C PARTNERSHIP

Sheet
1/1

Legend	Water	Instr (A)	Level (mOD)	Depth (m)	Description	Groundwater Strikes During Drilling										
						Date	Time	Depth Struck (m)	Casing Depth (m)	Inflow Rate	Readings				Depth Sealed (m)	
				1.00	Bentonite Seal						5 min	10 min	15 min	20 min		
Groundwater Observations During Drilling																
				5.00	Slotted Standpipe	Start of Shift		End of Shift								
						Date	Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD)	Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD)
						30/06/16				DRY			10.00		DRY	
Instrument Groundwater Observations																
				6.00	Bentonite Seal	Inst. [A] Type : Slotted Standpipe										
						Instrument [A]			Remarks							
						Date	Time	Depth (m)	Level (mOD)							
				10.00	General Backfill											

Remarks
Lockable cover set in concrete.

Site Analytical Services Ltd.						Site 52 HOLMES ROAD,LONDON,NW5 3AB		Borehole Number BH3A	
Boring Method CONTINUOUS FLIGHT AUGER		Casing Diameter 100mm cased to 0.00m		Ground Level (mOD)		Client MAISON HENRY BERTRAND (ENGLAND) LTD		Job Number 1625450	
		Location TQ288850		Dates 01/07/2016		Engineer G.D.C PARTNERSHIP		Sheet 1/1	
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.25	D1					0.04 (0.15)	MADE GROUND: Wooden Chipboard.		
						0.19	MADE GROUND: Reinforced concrete.		
0.50	D2					(0.51)	MADE GROUND: Brown gravelly sand containing brick and concrete fragments.		
0.70	D3			01/07/2016:DRY		0.70	Complete at 0.70m		
Remarks D = Disturbed sample Groundwater was not encountered during drilling. Borehole was terminated at 0.70m due to a concrete obstruction. Excavating from 0.00m to 7.00m for 1 hour.								Scale (approx) 1:25	Logged By TM
								Figure No. 1625450.BH3A	

Site Analytical Services Ltd.							Site 52 HOLMES ROAD,LONDON,NW5 3AB		Borehole Number BH3B	
Boring Method CONTINUOUS FLIGHT AUGER		Casing Diameter 100mm cased to 0.00m		Ground Level (mOD)		Client MAISON HENRY BERTRAND (ENGLAND) LTD		Job Number 1625450		
		Location TQ288850		Dates 01/07/2016		Engineer G.D.C PARTNERSHIP		Sheet 1/1		
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
0.25	D1					0.04 (0.15) 0.19	MADE GROUND: Wooden Chipboard. MADE GROUND: Reinforced concrete.			
0.50	D2					(0.46)	MADE GROUND: Brown gravelly sand containing brick and concrete fragments.			
0.70	D3			01/07/2016:DRY		0.65 0.70	MADE GROUND: Pea Gravel Complete at 0.70m			

Remarks
D = Disturbed sample
Groundwater was not encountered during drilling.
Borehole was terminated at 0.70m due to a concrete obstruction (Drain pipe).
Excavating from 0.00m to 7.00m for 1 hour.

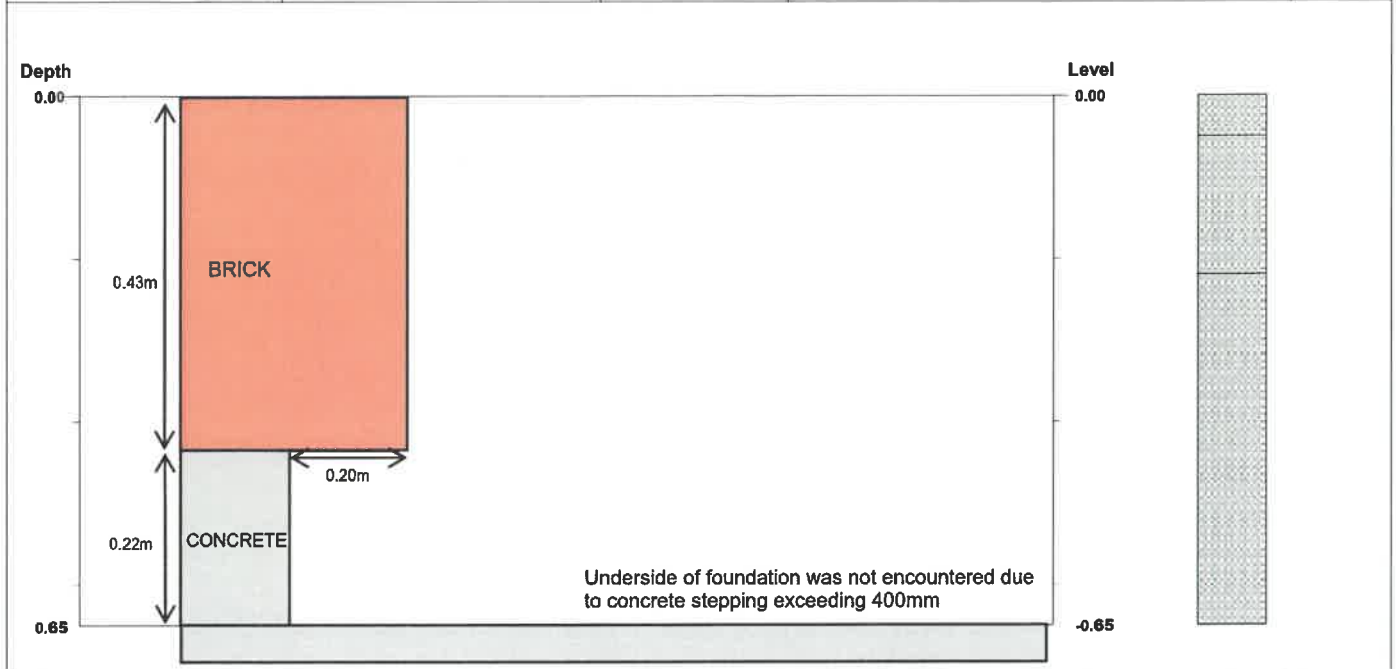
Scale (approx) 1:25
Logged By TM

Figure No.
1625450.BH3B

Site Analytical Services Ltd.						Site 52 HOLMES ROAD,LONDON,NW5 3AB		Borehole Number BH3C	
Boring Method CONTINUOUS FLIGHT AUGER		Casing Diameter 100mm cased to 0.00m		Ground Level (mOD)		Client MAISON HENRY BERTRAND (ENGLAND) LTD		Job Number 1625450	
Location TQ288850		Dates 01/07/2016		Engineer G.D.C PARTNERSHIP		Sheet 1/1			
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.25	D1					0.04 (0.15)	MADE GROUND: Wooden Chipboard.		
						0.19	MADE GROUND: Reinforced concrete.		
0.50	D2					(0.43)	MADE GROUND: Brown gravelly sand containing brick and concrete fragments.		
0.62	D3					0.62	Complete at 0.62m		
Remarks D = Disturbed sample Groundwater was not encountered during drilling. Borehole was terminated at 0.70m due to a concrete obstruction. Excavating from 0.00m to 7.00m for 1 hour.								Scale (approx) 1:25	Logged By TM
								Figure No. 1625450.BH3C	

Site Analytical Services Ltd.						Site 52 HOLMES ROAD, LONDON, NW5 3AB		Trial Pit Number TP1
Excavation Method HAND EXCAVATION		Dimensions 0.30m(W) x 0.30m(L) x 0.65m(D)		Ground Level (mOD)	Client MAISON HENRY BERTRAND (ENGLAND) LTD		Job Number 1625450	
		Location TQ288850		Dates 30/06/2016	Engineer G.D.C PARTNERSHIP		Sheet 1/1	
Depth (rh)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (rh) (Thickness)	Description	Legend	Water
0.25	D1				0.04 (0.18)	MADE GROUND: Wooden floor.		
					0.22	MADE GROUND: Reinforced concrete over a DPM.		
0.50	D2				(0.43)	MADE GROUND: Brown silty sand containing brick and concrete fragments.		
					0.65	Complete at 0.65m		
Plan					Remarks			
					D = Disturbed sample Pit terminated at 0.65m depth due to a concrete obstruction. Groundwater was not encountered during excavation.			
					Scale (approx)		Logged By	Figure No.
					1:25		TM	1625450.TP1

Site Analytical Services Ltd.		Site 52 HOLMES ROAD, LONDON, NW5 3AB		Trial Pit Number TP1
Method Trial Pit	Dimensions 0.30m(W) x 0.30m(L) x 0.65m(D)	Ground Level (mOD)	Client MAISON HENRY BERTRAND (ENGLAND) LTD	Job Number 1625379
Orientation 	Location TQ339907	Dates 01/07/2016	Engineer G.D.C PARTNERSHIP	Sheet 1/1



Strata			Samples and Tests		
Depth (m)	No.	Description	Depth (m)	Type	Field Records
0.00-0.05	1	MADE GROUND: Wooden floor			
0.05-0.22	2	MADE GROUND: Reinforced concrete over damp proof membrane			
0.22-0.65	3	MADE GROUND: Dark brown black clayey sand with fragments of brick and concrete rubble and ash	0.25 0.50 0.65	D1 D2 D3	
			Excavation Method: HAND EXCAVATION Shoring / Support: GOOD Stability: N/A Backfill: ARISINGS		

Remarks
D= Disturbed Sample
Groundwater was not encountered during boring/excavation
Excavating from 0.00m to 0.65m for 1 hour.

Logged By : EW
Checked By :
Figure No. : 1625379.TP1

Site Analytical Services Ltd.

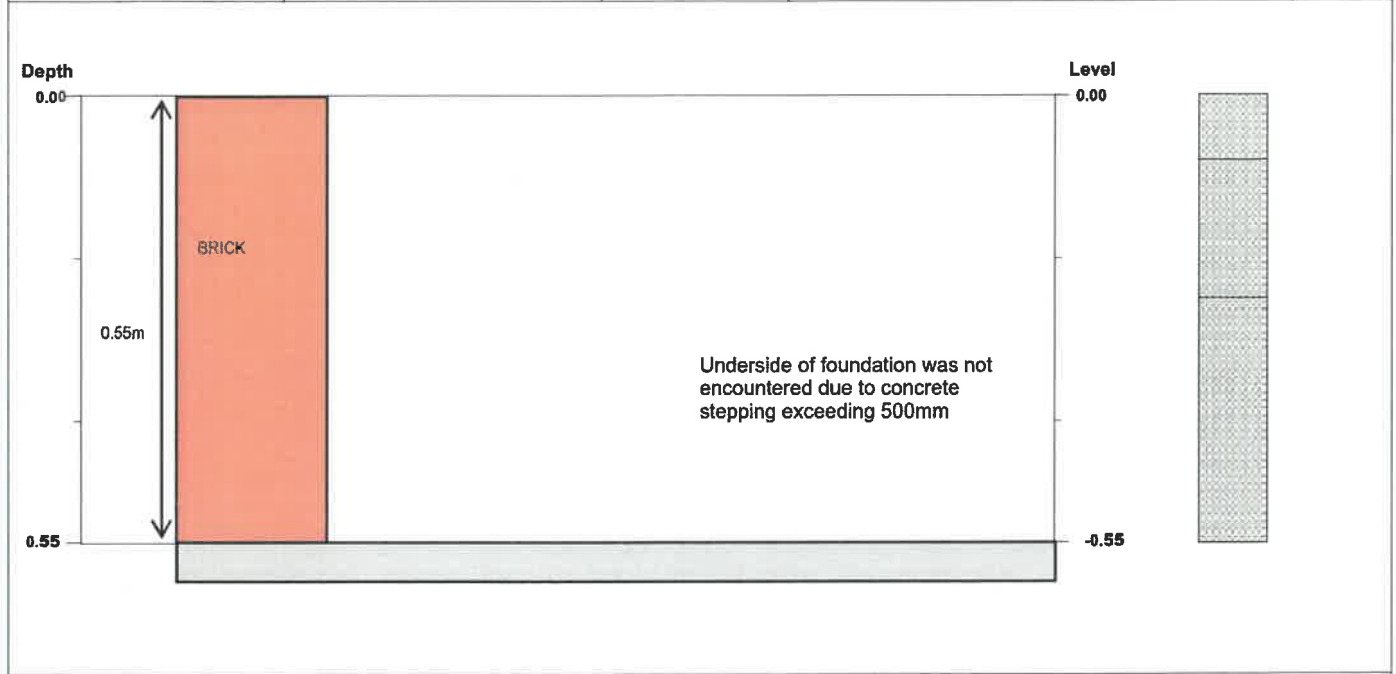
Site
52 HOLMES ROAD, LONDON, NW5 3AB
Trial Pit Number
TP2

Excavation Method HNA DEXCAVATION	Dimensions 0.30m(W) x 0.30m(L) x 0.55m(D)	Ground Level (mOD)	Client MAISON HENRY BERTRAND (ENGLAND) LTD	Job Number 1625450
	Location TQ288850	Dates 30/06/2016	Engineer G.D.C PARTNERSHIP	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.25	D1				0.04 0.08	MADE GROUND: Wooden Chipboard.		
					(0.47)	MADE GROUND: Reinforced concrete.		
0.50	D2		30/06/2016: DRY		0.55	MADE GROUND: Silty sand containing brick and concrete fragments.		
						Complete at 0.55m		

Plan 	Remarks D = Disturbed sample Groundwater was not encountered during excavation. Trial Pit terminated at 0.55m due to a concrete obstruction.	
		Scale (approx) 1:25

Site Analytical Services Ltd.			Site 52 HOLMES ROAD, LONDON, NW5 3AB	Trial Pit Number TP2
Method Trial Pit	Dimensions 0.30m(W) x 0.30m(L) x 0.55m(D)	Ground Level (mOD)	Client MAISON HENRY BERTRAND (ENGLAND) LTD	Job Number 1625379
Orientation 	Location TQ339907	Dates 01/07/2016	Engineer G.D.C PARTNERSHIP	Sheet 1/1



Strata			Samples and Tests		
Depth (m)	No.	Description	Depth (m)	Type	Field Records
0.00-0.08	1	MADE GROUND: Wooden floor			
0.08-0.25	2	MADE GROUND: Reinforced concrete over damp proof membrane	0.25	D1	
0.25-0.55	3	MADE GROUND: Brown yellow sand with fragments of brick and concrete rubble	0.55	D2	

Excavation Method:
HAND EXCAVATION

Shoring / Support:
GOOD

Stability:
N/A

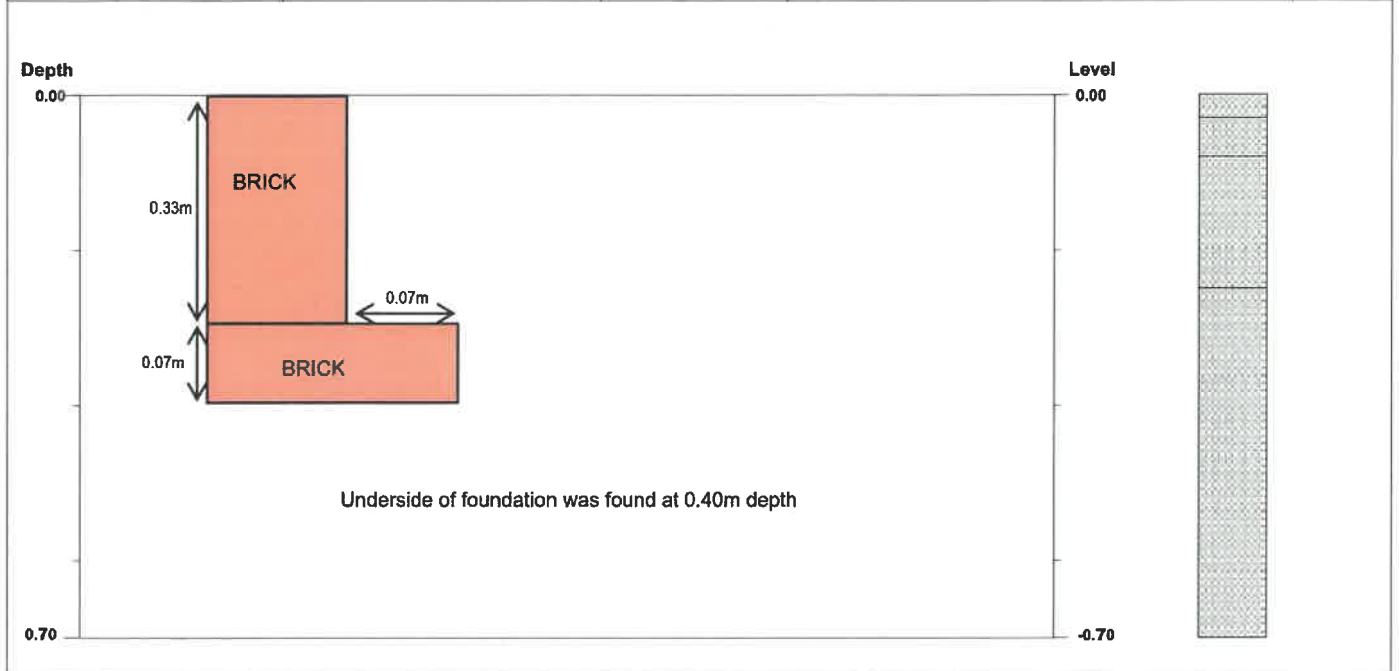
Backfill:
ARISINGS

Remarks
D= Disturbed Sample
Groundwater was not encountered during boring/excavation
Excavating from 0.00m to 0.55m for 1 hour.

Logged By : EW
Checked By :
Figure No. : 1625379.TP2

Site Analytical Services Ltd.					Site 52 HOLMES ROAD,LONDON,NW5 3AB		Trial Pit Number TP3																																																
Excavation Method HNA DEXCAVATION		Dimensions 0.30m(W) x 0.30m(L) x 0.70m(D)		Ground Level (mOD)	Client MAISON HENRY BERTRAND (ENGLAND) LTD		Job Number 1625450																																																
		Location TQ288850		Dates 30/06/2016	Engineer G.D.C PARTNERSHIP		Sheet 1/1																																																
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend																																																
0.25	D1				0.04	MADE GROUND: Wooden Chipboard.																																																	
0.40	D2				0.08 (0.17)	VOID																																																	
0.40-0.70	M1 80/300				0.25	MADE GROUND: Reinforced concrete.																																																	
			30/06/2016:DRY		(0.45)	MADE GROUND: Silty sand containing brick and concrete fragments.																																																	
					0.70	Complete at 0.70m																																																	
Plan					Remarks																																																		
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Site Analytical Services Ltd.			Site 52 HOLMES ROAD,LONDON,NW5 3AB	Trial Pit Number TP3
Method Trial Pit	Dimensions 0.30m(W) x 0.30m(L) x 0.65m(D)	Ground Level (mOD)	Client MAISON HENRY BERTRAND (ENGLAND) LTD	Job Number 1625379
Orientation 	Location TQ339907	Dates 01/07/2016	Engineer G.D.C PARTNERSHIP	Sheet 1/1



Strata				Samples and Tests		
Depth (m)	No.	Description	Depth (m)	Type	Field Records	
0.00-0.03	1	MADE GROUND: Wooden floor				
0.03-0.08	2	MADE GROUND: Void				
0.08-0.25	3	MADE GROUND: Double reinforced concrete	0.25	D1		
0.25-0.70	4	MADE GROUND: Very loose, brown slightly clayey silty sand with red brick and crush	0.40 0.40-0.70	D2 M1 80/300		
				Excavation Method: HAND EXCAVATION Shoring / Support: GOOD Stability: N/A Backfill: ARISINGS		

Remarks
D= Disturbed Sample
M= makintosh Probe - Blows/Penetration (mm)
Groundwater was not encountered during boring/excavation
Excavating from 0.00m to 0.70m for 1 hour.

Logged By : EW
Checked By :
Figure No. : 1625379.TP3