

## **APPENDIX**

Borehole Records













Standard Penetration Results


Trial Pit Records















Laboratory Geotechnical Test Results


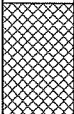
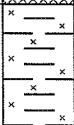
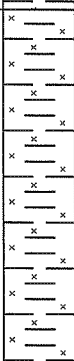


SPT & Cohesion / Depth Graph


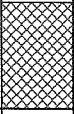


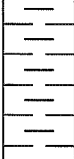

Site Plan

 <b>Geotechnical &amp; Environmental Associates</b>				Tyttenhanger House Coursers Road St Albans AL4 0PG		<b>Site</b> 8 Pilgrims Lane, Hampstead, London, NW3 1SL		<b>Borehole Number</b> <b>BH 1</b>	
<b>Boring Method</b> Cable Percussion Boring		<b>Casing Diameter</b> 150mm cased to 1.20m		<b>Ground Level (mOD)</b>		<b>Client</b> Mrs Abiola		<b>Job Number</b> J10228	
		<b>Location</b>		<b>Dates</b> 17/11/2010- 18/11/2010		<b>Engineer</b> Brod Wight Architects		<b>Sheet</b> 1/2	
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50	D1					(0.10) 0.10	Slab Brick Fill		
1.20-1.65 1.20-1.65 1.50	CPT N=11 C2 D3			2,2/3,2,3,3		(1.50)  1.60			
2.00-2.45 2.00-2.45	CPT N=11 C4			1,2/2,3,3,3		(0.70) 2.30	Made Ground (light brown mottled orange-grey clay with rootlets, gravel, brick fragments and ash)		
2.50	D5						Firm light brown mottled grey fissured CLAY with orange-brown silt partings and rootlets		
3.00-3.45	U6								
3.45-3.50	S7					(2.10)			
4.00-4.45 4.00-4.45	SPT N=12 S8			2,3/3,3,3,3		4.40	Firm light brown mottled grey fissured CLAY with orange-brown silt partings		
4.50	D9								
5.00-5.45	U10								
5.45-5.50	S11					(2.50)			
6.00-6.45 6.00-6.45	SPT N=17 S12			2,3/3,4,5,5		6.90	Firm grey fissured CLAY		
7.00	D13								
7.50-7.95	U14								
7.95-8.00	S15					(3.60)			
9.00-9.45 9.00-9.45	SPT N=32 S16			4,6/7,8,8,9					
<b>Remarks</b> Groundwater was not encountered during drilling Standpipe installed to a depth of 6.0 m Groundwater was measured at 18.7 m in the borehole on 18/11/2010								<b>Scale (approx)</b> 1:50	<b>Logged By</b> HD
								<b>Figure No.</b> J10228.BH 1	

 <b>Geotechnical &amp; Environmental Associates</b>				Tyttenhanger House Coursers Road St Albans AL4 0PG		<b>Site</b> 8 Pilgrims Lane, Hampstead, London, NW3 1SL		<b>Borehole Number</b> <b>BH 1</b>	
<b>Boring Method</b> Cable Percussion Boring		<b>Casing Diameter</b> 150mm cased to 1.20m		<b>Ground Level (mOD)</b>		<b>Client</b> Mrs Abiola		<b>Job Number</b> J10228	
		<b>Location</b>						<b>Dates</b> 17/11/2010- 18/11/2010	
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.00	D17					(3.60)			
10.50-10.95	U18					10.50	Stiff grey fissured CLAY with rare pyrite nodules		
10.95-11.00	S19								
12.00-12.45	SPT N=34			5,6/8,8,9,9					
12.00-12.45	S20								
12.50	D21								
13.50-13.95	U22								
13.95-14.00	S23								
15.00-15.45	SPT N=44			7,9/9,11,12,12		(8.50)			
15.00-15.45	S24								
16.00	D25								
16.50-16.95	U26								
16.95-17.00	S27								
18.00-18.45	SPT N=48			8,11/12,12,14,10					
18.00-18.45	S28								
19.00	D29			17/11/2010: DRY		19.00			
				18/11/2010: 18.70m			Complete at 19.00m		
<b>Remarks</b>								<b>Scale (approx)</b> 1:50	
								<b>Logged By</b> HD	
								<b>Figure No.</b> J10228.BH 1	

 <b>Geotechnical &amp; Environmental Associates</b>				Tyttenhanger House Coursers Road St Albans AL4 0PG		<b>Site</b> 8 Pilgrims Lane, Hampstead, London, NW3 1SL		<b>Number</b> <b>BH2</b>	
<b>Excavation Method</b> Drive-in Window Sampler		<b>Dimensions</b>		<b>Ground Level (mOD)</b>		<b>Client</b> Mrs Abiola		<b>Job Number</b> J10228	
		<b>Location</b>		<b>Dates</b> 16/11/2010		<b>Engineer</b> Brod Wight Architects		<b>Sheet</b> 1/1	
<b>Depth (m)</b>	<b>Sample / Tests</b>	<b>Water Depth (m)</b>	<b>Field Records</b>	<b>Level (mOD)</b>	<b>Depth (m) (Thickness)</b>	<b>Description</b>		<b>Legend</b>	<b>Water</b>
0.30	D1				(0.50)	Made Ground (light brown mottled orange-grey clay with fine rootlets, gravel, brick fragments and ash)			
0.60	D2				0.50 (0.15) 0.65	Firm light orange-brown mottled grey slightly silty sandy CLAY with fine rootlets			
					(0.75)	Firm light brown fissured CLAY			
1.20	D3				1.40	Firm light brown mottled grey fissured CLAY with silt partings			
1.80	D4								
									
2.70	D5				(2.70)				
									
									
									
4.40	D6				4.10 (0.30)	Firm light brown mottled grey fissured CLAY with orange-brown silt partings and selenite crystals			
4.50	D7				4.40 (0.10)	Firm light brown mottled grey slightly silty CLAY			
4.80	D8				4.50 (0.50)	Firm light brown fissured CLAY			
					5.00	Complete at 5.00m			
<b>Remarks</b> Groundwater not encountered								<b>Scale (approx)</b>	<b>Logged By</b>
								1:50	HD
								<b>Figure No.</b> J10228.BH2	

 <b>Geotechnical &amp; Environmental Associates</b>				Tyttenhanger House Coursers Road St Albans AL4 0PG		<b>Site</b> 8 Pilgrims Lane, Hampstead, London, NW3 1SL		<b>Number</b> <b>BH3</b>	
<b>Excavation Method</b> Drive-in Window Sampler		<b>Dimensions</b>		<b>Ground Level (mOD)</b>		<b>Client</b> Mrs Abiola		<b>Job Number</b> J10228	
		<b>Location</b>		<b>Dates</b> 16/11/2010		<b>Engineer</b> Brod Wight Architects		<b>Sheet</b> 1/1	
<b>Depth (m)</b>	<b>Sample / Tests</b>	<b>Water Depth (m)</b>	<b>Field Records</b>	<b>Level (mOD)</b>	<b>Depth (m) (Thickness)</b>	<b>Description</b>		<b>Legend</b>	<b>Water</b>
0.60	D1				(0.75)	Made Ground (dark brown slightly sandy CLAY with fine rootlets, brick fragments, ash and gravel)			
0.85	D2				0.75 (0.85)	Firm light brown mottled grey slightly silty CLAY with rootlets (partially dessicated)			
1.80	D3				1.60	Stiff light brown mottled grey fissured CLAY with orange-brown silt partings and fine rootlets (partially dessicated to a depth of 4.0 m)			
2.80	D4				(2.40)				
4.10	D5				4.00 (0.50)	Stiff light brown fissured CLAY with silt partings and abundant selenite crystals			
4.60	D6				4.50 (0.50)	Stiff light brown mottled grey fissured CLAY with orange-brown silt partings			
					5.00	Complete at 5.00m			
<b>Remarks</b> Groundwater not encountered								<b>Scale (approx)</b> 1:50	<b>Logged By</b> HD
								<b>Figure No.</b> J10228.BH3	

 <b>Geotechnical &amp; Environmental Associates</b>				Tyttenhanger House Coursers Road St Albans AL4 0PG		<b>Site</b> 8 Pilgrims Lane, Hampstead, London, NW3 1SL		<b>Number</b> <b>BH4</b>	
<b>Excavation Method</b> Drive-in Window Sampler		<b>Dimensions</b>		<b>Ground Level (mOD)</b>		<b>Client</b> Mrs Abiola		<b>Job Number</b> J10228	
		<b>Location</b>		<b>Dates</b> 16/11/2010		<b>Engineer</b> Brod Wight Architects		<b>Sheet</b> 1/1	
<b>Depth (m)</b>	<b>Sample / Tests</b>	<b>Water Depth (m)</b>	<b>Field Records</b>	<b>Level (mOD)</b>	<b>Depth (m) (Thickness)</b>	<b>Description</b>	<b>Legend</b>	<b>Water</b>	
0.50	D1	Water strike(1) at 1.15m.			(0.70)	Made Ground (brownish-grey clay with gravel, brick and mortar fragments)		Σ1	
0.90	D2				0.70	Firm light brown CLAY with fine rootlets			
					(0.90)				
1.70	D3				1.60	Firm light brown mottled grey slightly silty fissured CLAY with orange-brown silt partings, fine rootlets and rare selenite			
2.80	D4				(1.90)				
3.70	D5				3.50	Stiff light brown mottled grey fissured CLAY			
4.80	D6				4.60	Stiff light brown mottled grey slightly silty CLAY with orange-brown silt partings			
					5.00	Complete at 5.00m			
<b>Remarks</b> Groundwater encountered at 1.15 m								<b>Scale (approx)</b> 1:50	<b>Logged By</b> HD
								<b>Figure No.</b> J10228.BH4	

### Standard Penetration Test Results

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Geotechnical &  
Environmental  
Associates

Tyldenhangar House  
Coursers Road  
St Albans  
Herts AL4 0PG

Site

8 Pilgrims Lane, Hampstead, NW3 1SL

Trial Pit  
Number

1

Excavation Method  
Manual

Dimensions

900 x 600 x 1480

Ground Level (mOD)

Client

Mrs Abiola

Job

Number

J10228

Location

Dates

16/11/2010

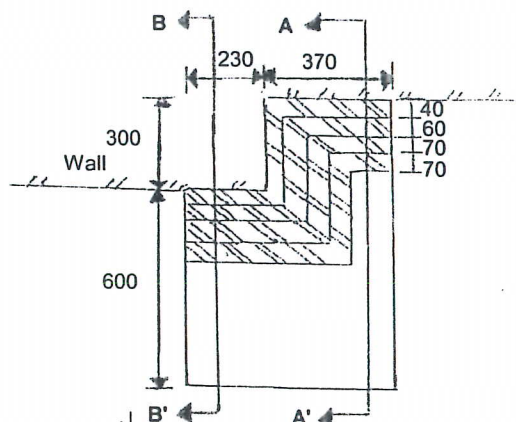
Engineer

Brod Wight Architects

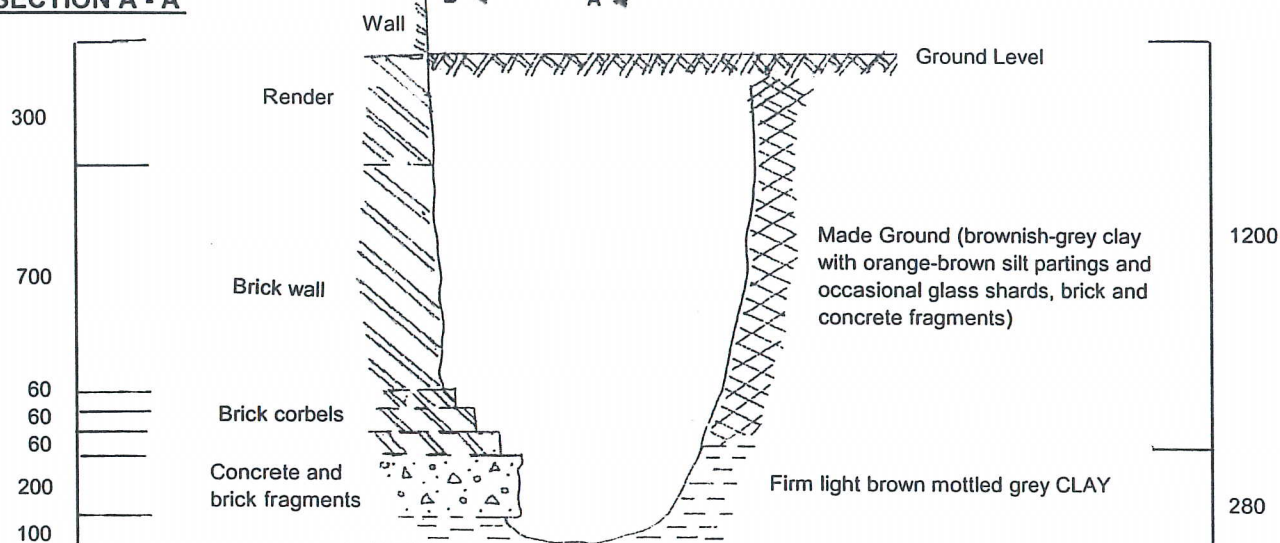
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1 / 1

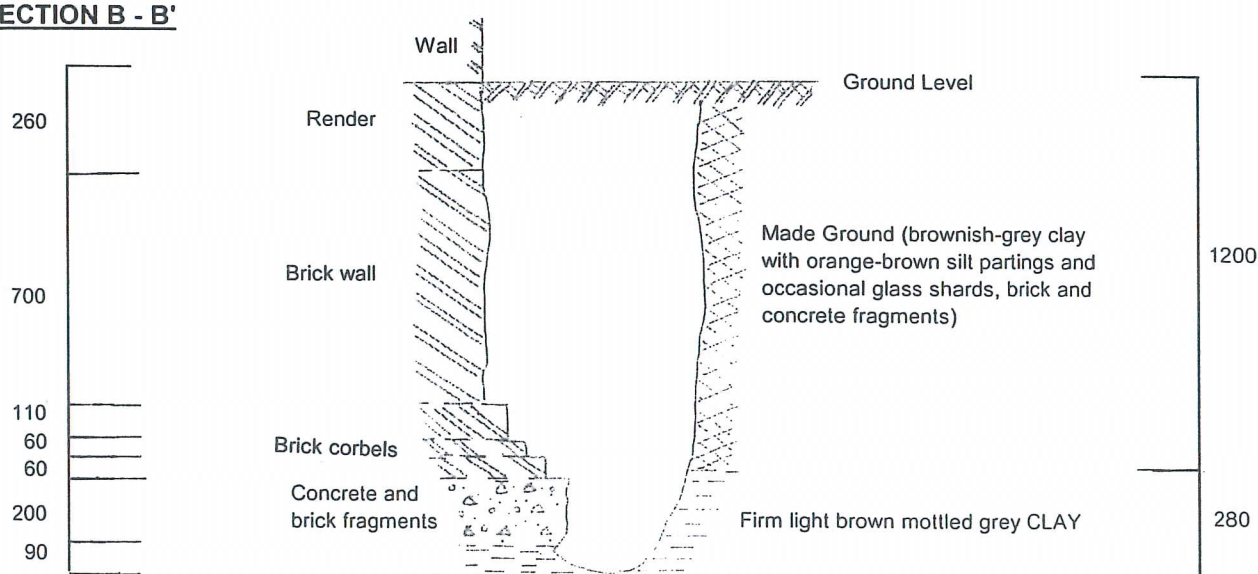
## PLAN



## SECTION A - A'



## SECTION B - B'



Remarks:

All dimensions in millimetres

Groundwater was not encountered

Scale:

1:20

Logged by:

HD



**Site** 8 Pilgrims Lane, Hampstead, London, NW3 1SL**Client** Mrs Abiola**Engineer** Brod Wight Architects**Job Number**  
J10228**Sheet**  
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View of the footings encountered in Trial Pit No 1, looking south (16/11/2010)

Excavation Method  
Manual

Dimensions  
600 x 650 x 1320

Ground Level (mOD)

Client

Mrs Abiola

Job

Number

J10228

Location

Dates

16/11/2010

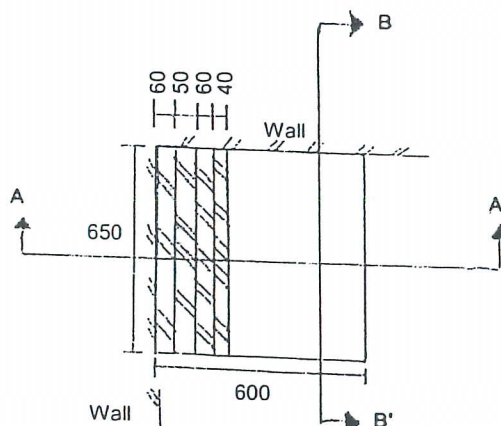
Engineer

Brod Wight Architects

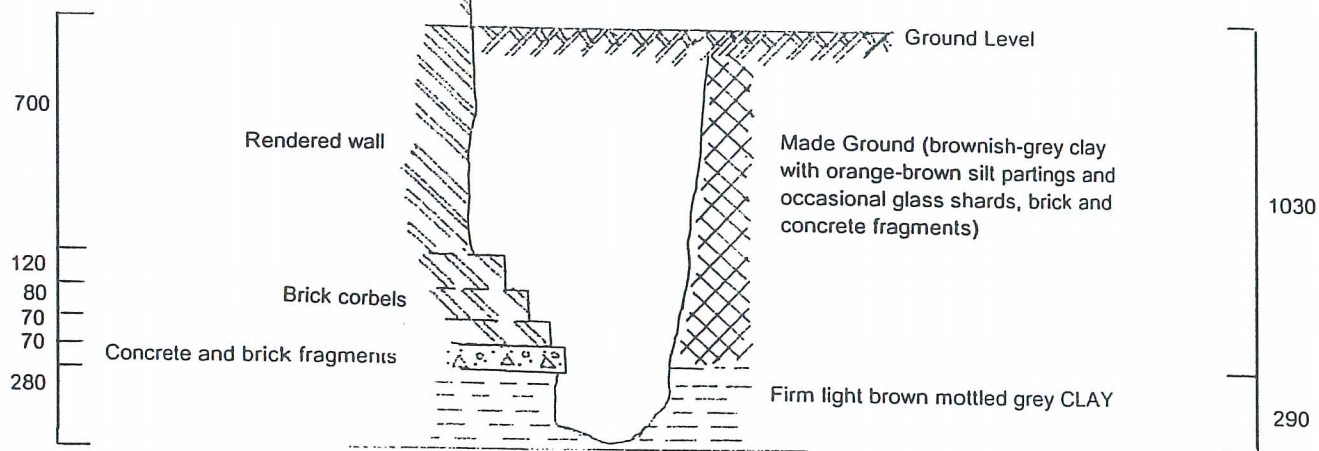
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1 / 1

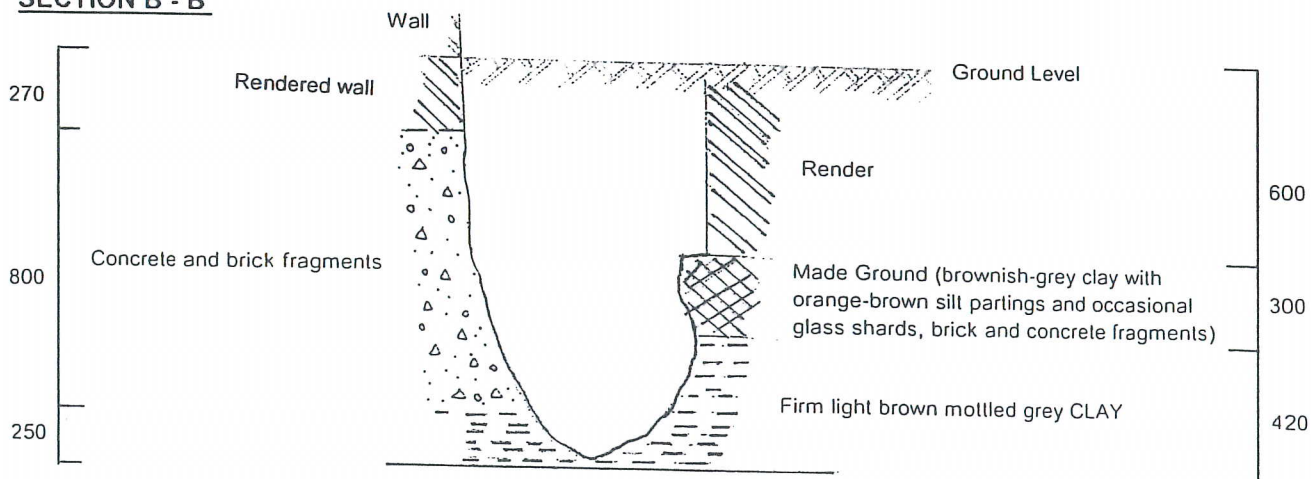
## PLAN



## SECTION A - A'



## SECTION B - B'



Remarks:

All dimensions in millimetres

Groundwater was not encountered

Scale:

1:20

Logged by:

HD

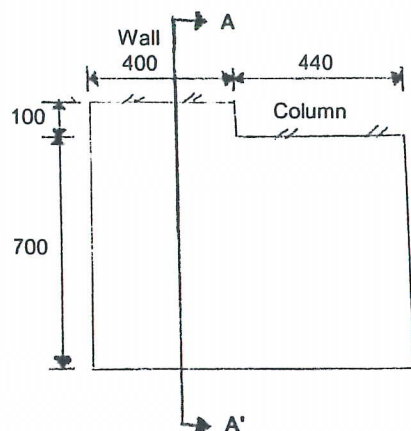


**Site** 8 Pilgrims Lane, Hampstead, London, NW3 1SL**Client** Mrs Abiola**Engineer** Brod Wight Architects**Job Number**  
J10228**Sheet**  
2/5

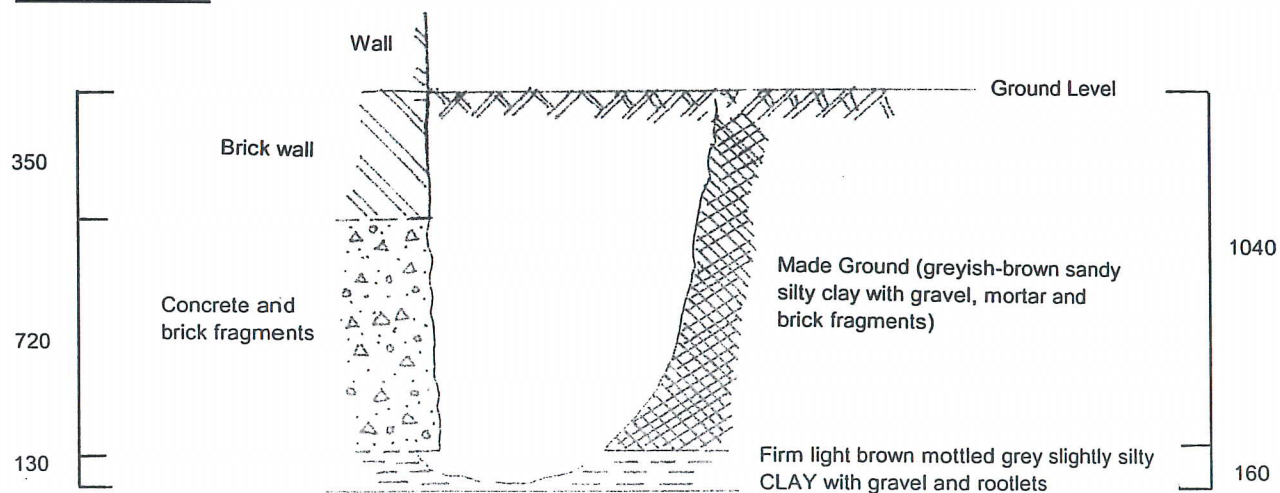
View of the footings encountered in Trial Pit No 2, looking south (16/11/2010)

Excavation Method Manual	Dimensions 800 x 840 x 1200	Ground Level (mOD)	Client Mrs Abiola	Job Number
	Location	Dates 16/11/2010	Engineer Brod Wight Associates	Sheet 1 / 1

### PLAN



**SECTION A - A'**



Remarks:

All dimensions in millimetres

Groundwater was not encountered

Scale:

1:20

Logged by:

HD



**Site** 8 Pilgrims Lane, Hampstead, London, NW3 1SL**Client** Mrs Abiola**Engineer** Brod Wight Architects**Job  
Number**

J10228

**Sheet**

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View of footings in Trial Pit No 3, looking north (16/11/2010)



Geotechnical &  
Environmental  
Associates

Tytlenhanger House  
Coursers Road  
St Albans  
Herts AL4 0PG

Site

8 Pilgrim's Lane, Hampstead, NW3 1SL

Trial Pit  
Number  
4

Excavation Method  
Manual

Dimensions  
600 x 400 x 1200

Ground Level (mOD)

Client  
Mrs Abiola

Job  
Number  
J10228

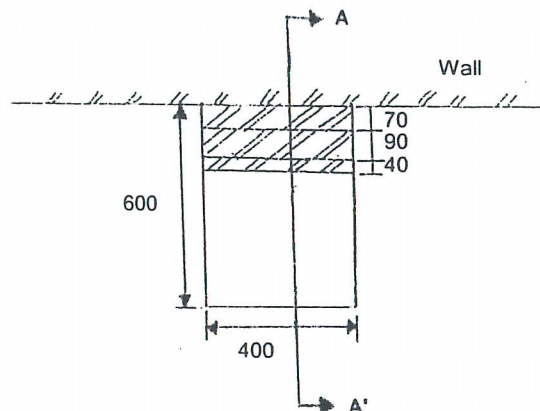
Location

Dates  
16/11/2010

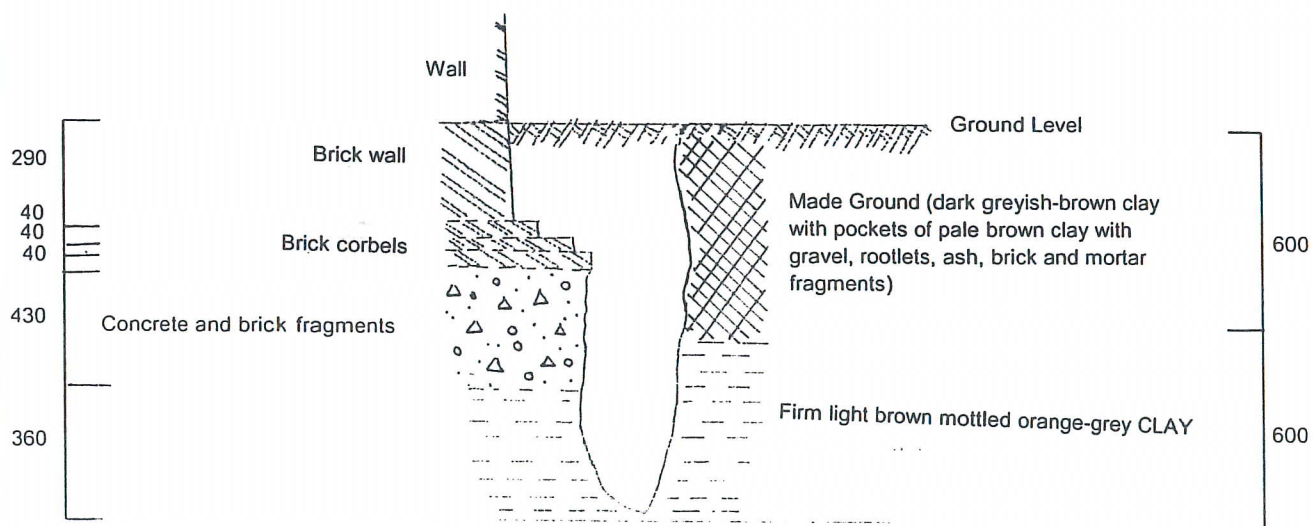
Engineer  
Brod Wight Architects

Sheet  
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## PLAN



## SECTION A - A'



Remarks:

All dimensions in millimetres

Groundwater was not encountered

Scale:

1:20

Logged by:

HD