

## **APPENDIX**

Site Plan

Borehole Records

SPT/Depth Graph

Trial Pit Records

Geotechnical Test Results

Chemical Test Results

Generic Risk Based Screening Values

Risk Assessment Tables

Envirocheck Extracts

Historical Maps

UXO Preliminary Risk Assessment



GEA

Geotechnical & Environmental Associates

[www.gea-ltd.co.uk](http://www.gea-ltd.co.uk)

## Site Plan

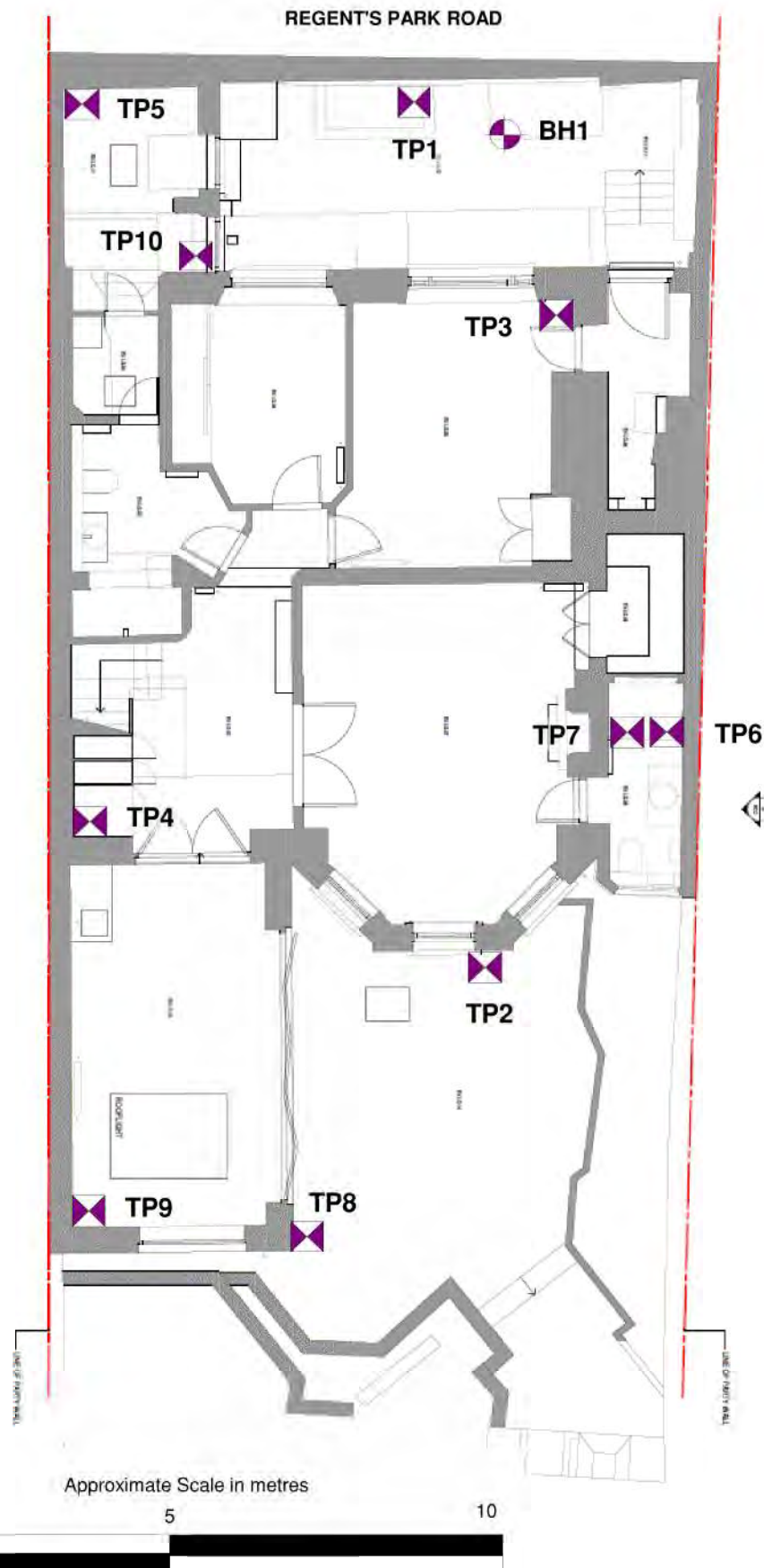
**Site** 13 Regent's Park Road, London NW1 7TL

**Client** Charles Blackburn







































**Engineer** Morph Structures

**Job Number**  
J21011

**Sheet**  
1 / 1



Project 13 Regent's Park Road				BOREHOLE No <b>1</b>	
Job No J21011	Date 29-01-21 29-01-21	Ground Level (m TBM) 47.98	Co-Ordinates ( )		
Client Charles Blackburn		Engineer Morph Structures		Sheet 1 of 2	

SAMPLES & TESTS			Water	STRATA				Instrument / Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
				47.28		(0.70) 0.70	MADE GROUND (40 mm paving slab over grey becoming brown very sandy gravel with fragments of brick and concrete and occasional coal)	
		1,2/2,2,2,3 N60 = 10		46.78		(0.50) 1.20	MADE GROUND (greyish brown silty sandy gravelly clay with fragments of brick and coal and occasional rootlets to 1.0 m)	
1.50	D			46.48		1.50	Firm fissured brown mottled orange-brown and grey CLAY	
2.00	D	1,2/2,3,3,3 N60 = 12					Firm fissured brown mottled grey clay CLAY. Occasional claystone fragments from 1.8 m to 2.0 m	
2.50	D						2.40 ..with selenite crystals and occasional orange-brown silt partings from 2.4 m	
3.00	D	1,2/2,2,3,3 N60 = 11						
3.50	D							
4.00	D	1,2/3,2,4,3 N60 = 13					4.00 ..brown with occasional grey veining from 4.0 m to 5.5 m	
4.50	D							
5.00	D	2,2/3,4,4,4 N60 = 16					5.00 ..becoming stiff	
5.50	D						5.50 ..becoming brown	
6.00	D	2,2/3,4,5,5 N60 = 19				(9.00)		
6.50	D							
7.00	D	2,2/3,3,4,4 N60 = 15						
7.50	D							
8.00	D	2,3/4,4,5,6 N60 = 21						
8.50	D							
9.00	D	3,4/5,5,5,6 N60 = 23						
9.50	D							

Boring Progress and Water Observations						GENERAL REMARKS
Depth	Date	Time	Casing Depth	Casing Dia. mm	Water Depth	
						Groundwater not encountered. Groundwater monitoring standpipe installed to 4.0 m with response zone from 1.5 m. Groundwater monitored at a depth of 1.01 m (46.97 m AD) on 11/02/2021

All dimensions in metres Scale 1:62.5	Method/ Plant Used Opendrive percussive sampler	Logged By KM
--	---	-----------------

[illegible]

Boring Progress and Water Observations						GENERAL REMARKS
Depth	Date	Time	Depth	Casing Dia. mm	Water Depth	
						Groundwater not encountered. Groundwater monitoring standpipe installed to 4.0 m with response zone from 1.5 m. Groundwater monitored at a depth of 1.01 m (46.97 m AD) on 11/02/2021
All dimensions in metres Scale 1:62.5			Method/ Plant Used			Logged By
			Opendrive percussive sampler			KM



GEA

[www.gea-ltd.co.uk](http://www.gea-ltd.co.uk)

Herts | 01727 824666 Notts | 01509 674888

## SPT / Depth Graph

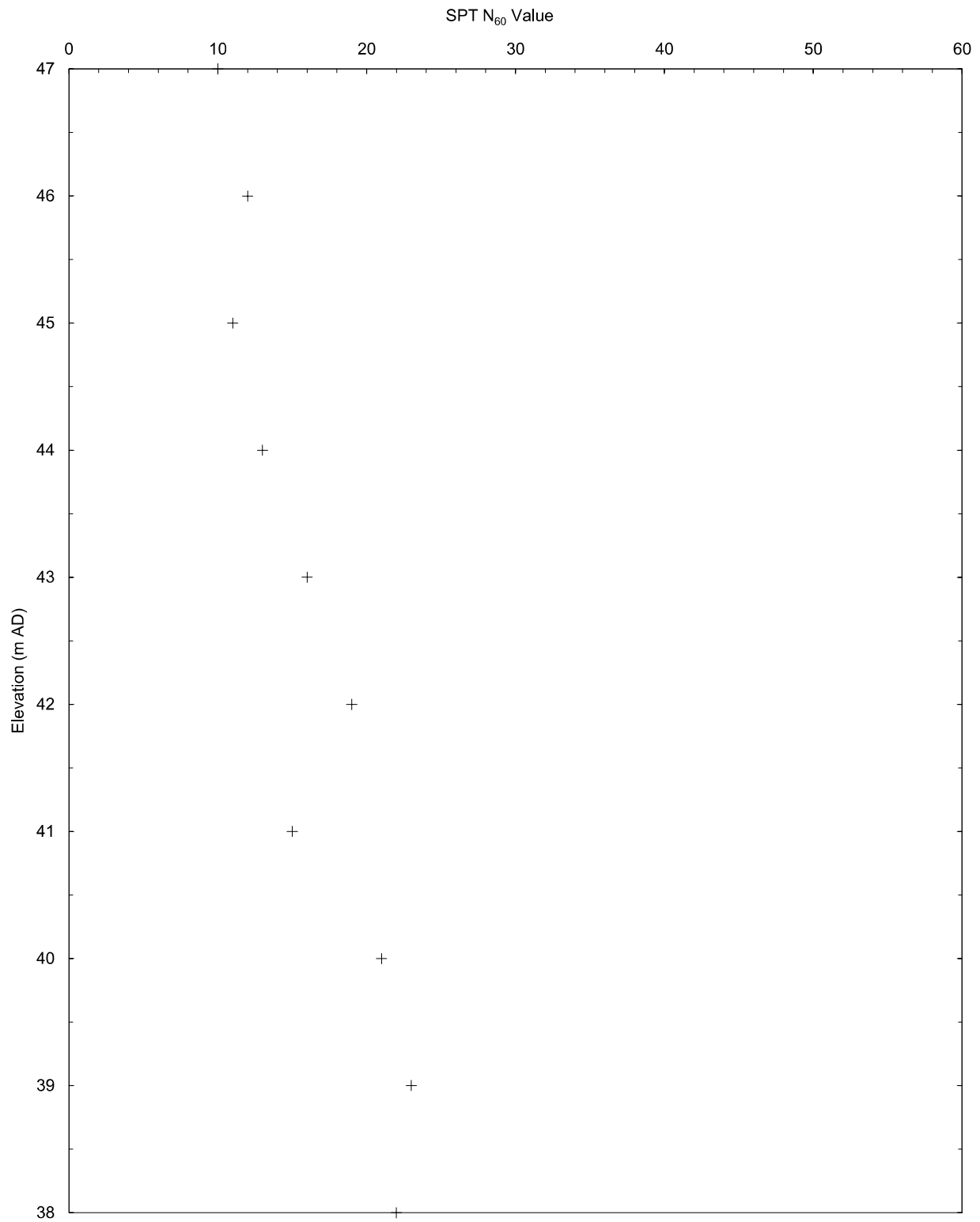
**Site** 13 Regent's Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**  
J21011

**Sheet**  
1 / 1



+ SPT  $N_{60}$  Value



GEA

www.gea-ltd.co.uk

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

1

**Site** 13 Regents Park Road, London NW1 7TL

**Job Number**

J21011

**Client** Charles Blackburn

**Sheet**

1/2

**Engineer** Morph Structures

**Dates**

27/01/2021

**Excavation Method**

Manual

**Dimensions**

350 x 350 x 1400

**Ground Level (m TBM)**

48.44

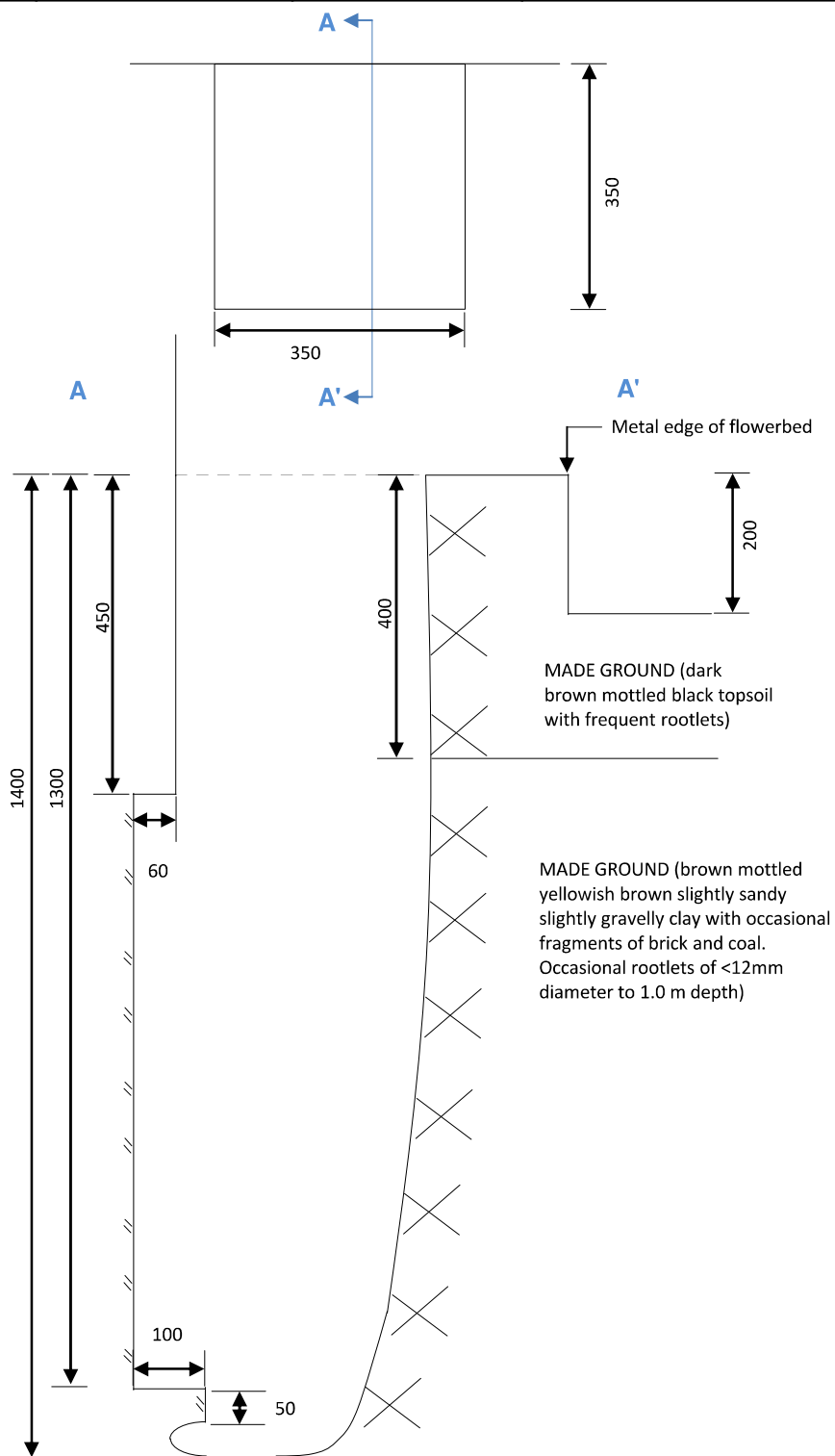
**Location**

Front lightwell, as per separate plan

**Plan: -**

**Section A - A': -**

Concrete rendered  
boundary wall



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM





GEA

[www.gea-ltd.co.uk](http://www.gea-ltd.co.uk)

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

1

**Site** 13 Regents Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**

J21011

**Sheet**

2/2

**Dates**

27/01/2021

**Excavation Method**

Manual

**Dimensions**

350 x 350 x 1400

**Ground Level (m TBM)**

48.44

**Location**

Front lightwell, as per separate plan



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM



GEA

www.gea-ltd.co.uk

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

2

**Site** 13 Regents Park Road, London NW1 7TL

**Job Number**

J21011

**Client** Charles Blackburn

**Sheet**

1/2

**Engineer** Morph Structures

**Dates**

27/01/2021

**Excavation Method**

Manual

**Dimensions**

250 x 450 x 850

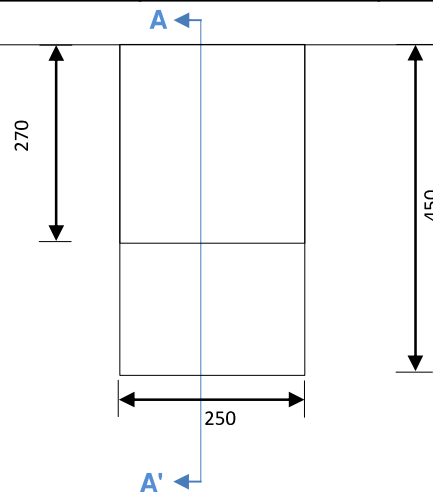
**Ground Level (m TBM)**

46.91

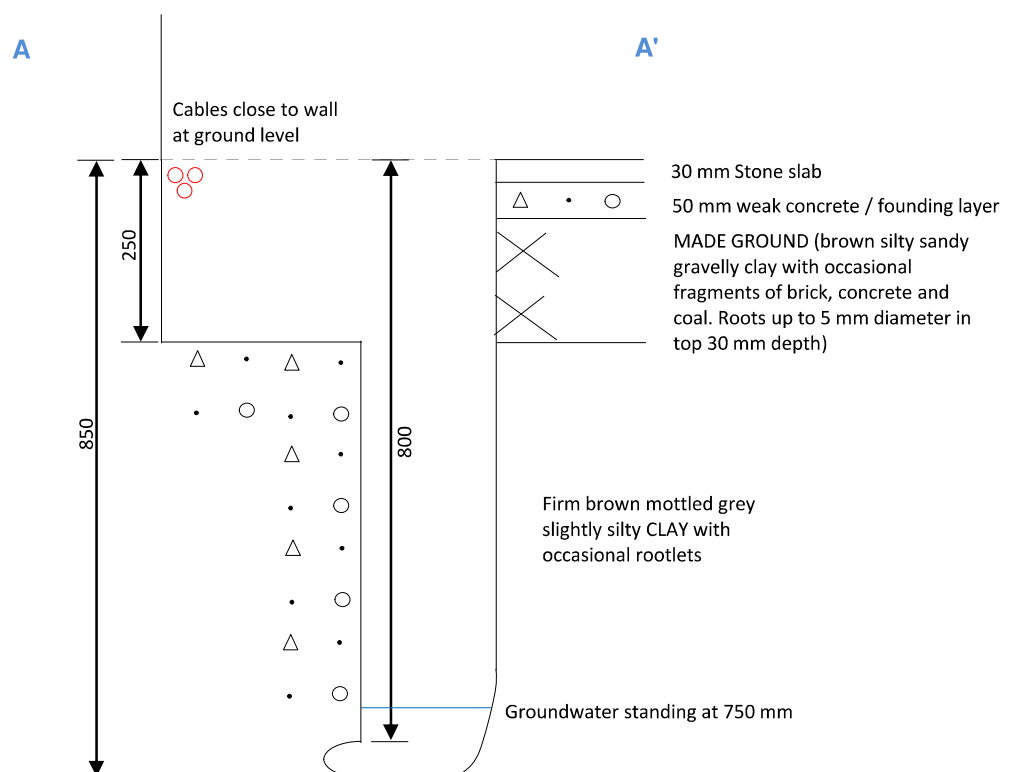
**Location**

Rear garden, as per separate plan

**Plan: -**



**Section A - A': -**



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM





GEA

[www.gea-ltd.co.uk](http://www.gea-ltd.co.uk)

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

2

**Site** 13 Regents Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**

J21011

**Sheet**

2/2

**Dates**

27/01/2021

**Excavation Method**

Manual

**Dimensions**

250 x 450 x 850

**Ground Level (m TBM)**

46.91

**Location**

Rear garden, as per separate plan



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM



GEA

www.gea-ltd.co.uk

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

3

**Site** 13 Regents Park Road, London NW1 7TL

**Job Number**

J21011

**Client** Charles Blackburn

**Sheet**

1/2

**Engineer** Morph Structures

**Dates**

27/01/2021

**Excavation Method**

Manual

**Dimensions**

400 x 400 x 800

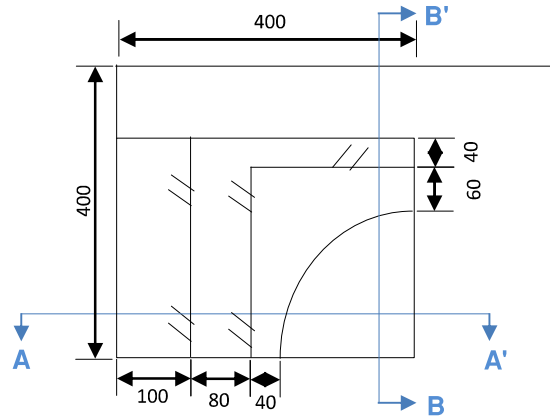
**Ground Level (m TBM)**

47.10

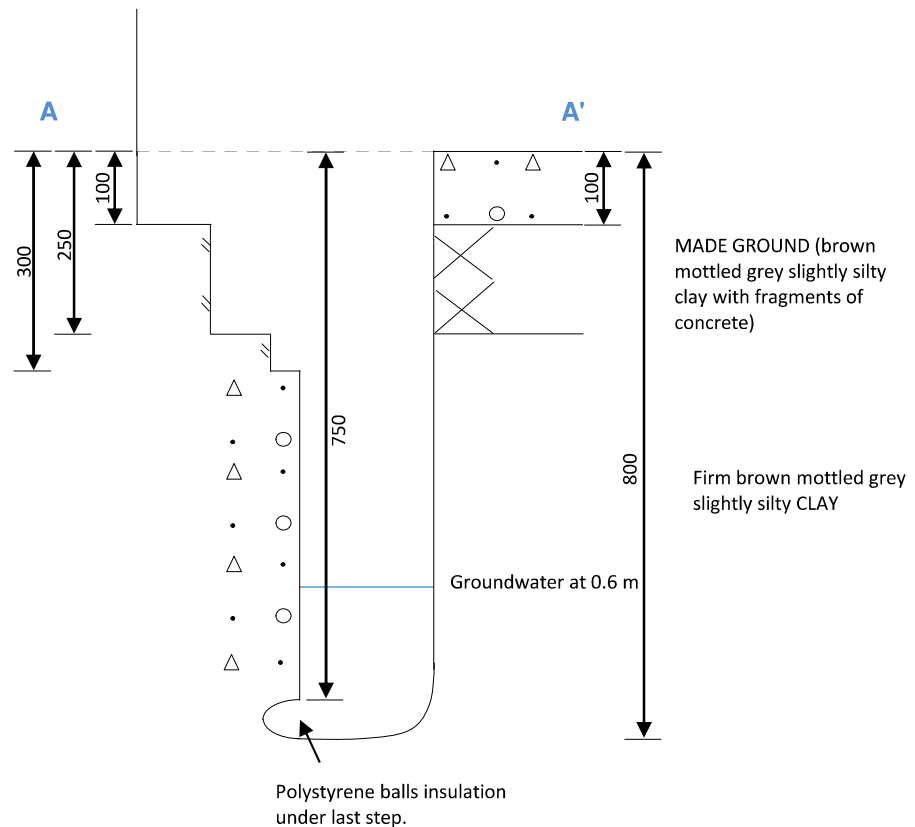
**Location**

Lower ground floor, as per separate plan

**Plan: -**



**Section A - A': -**



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM



GEA

www.gea-ltd.co.uk

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

3

**Site** 13 Regents Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**

J21011

**Sheet**

2/3

**Dates**

27/01/2021

**Excavation Method**

Manual

**Dimensions**

400 x 400 x 800

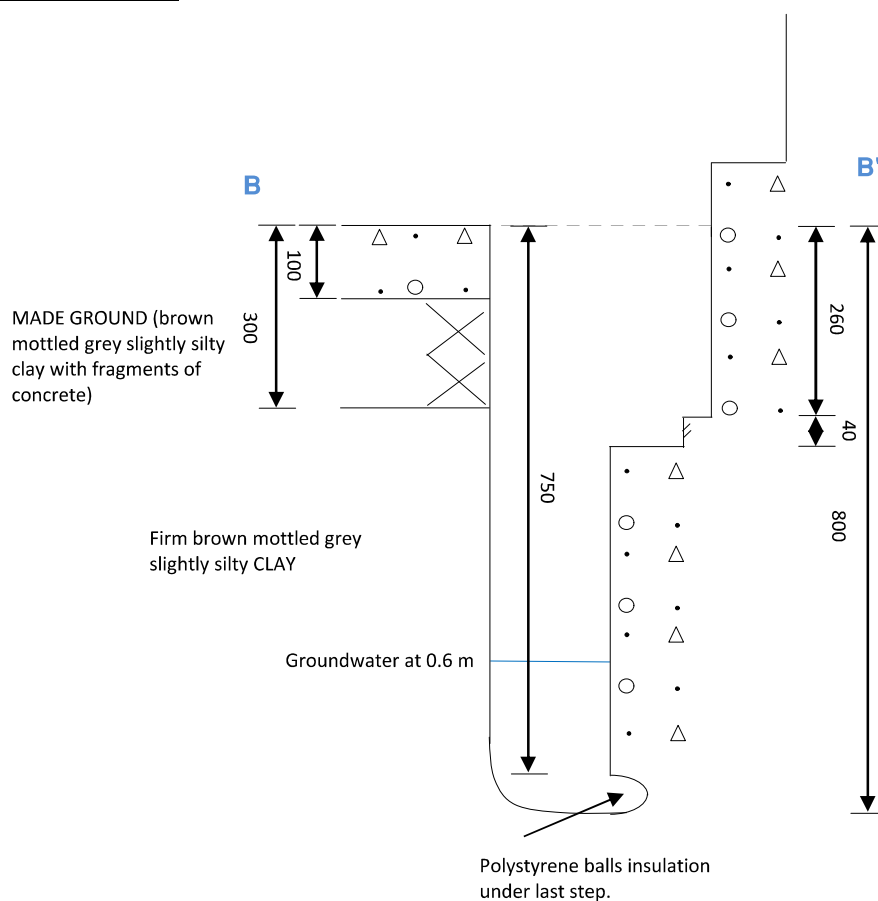
**Ground Level (m TBM)**

47.10

**Location**

Lower ground floor, as per separate plan

**Section B - B': -**



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM





GEA

[www.gea-ltd.co.uk](http://www.gea-ltd.co.uk)

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

3

**Site** 13 Regents Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**

J21011

**Sheet**

3/3

**Dates**

27/01/2021

**Excavation Method**

Manual

**Dimensions**

400 x 400 x 800

**Ground Level (m TBM)**

47.10

**Location**

Lower ground floor, as per separate plan



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM

Site	13 Regents Park Road, London NW1 7TL
------	--------------------------------------

Job Number	
------------	--

J21011

<b>Client</b>	<b>Charles Blackburn</b>
---------------	--------------------------

Sheet

1/2

**Engineer      Morph Structures**

### Dates

27/01/2021

### Excavation Method

Manual

## Dimensions

900 x 700 x 450

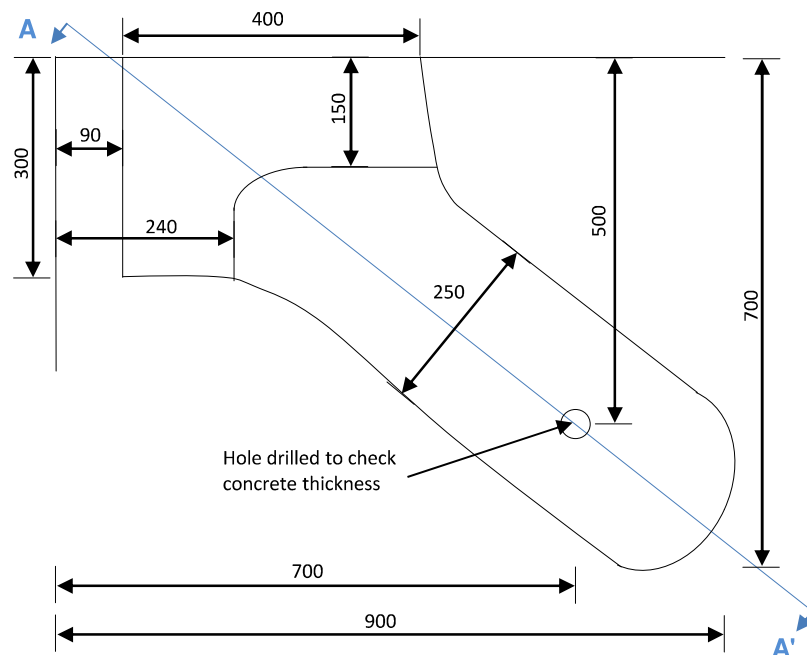
Ground Level (m TBM)
----------------------

47.08

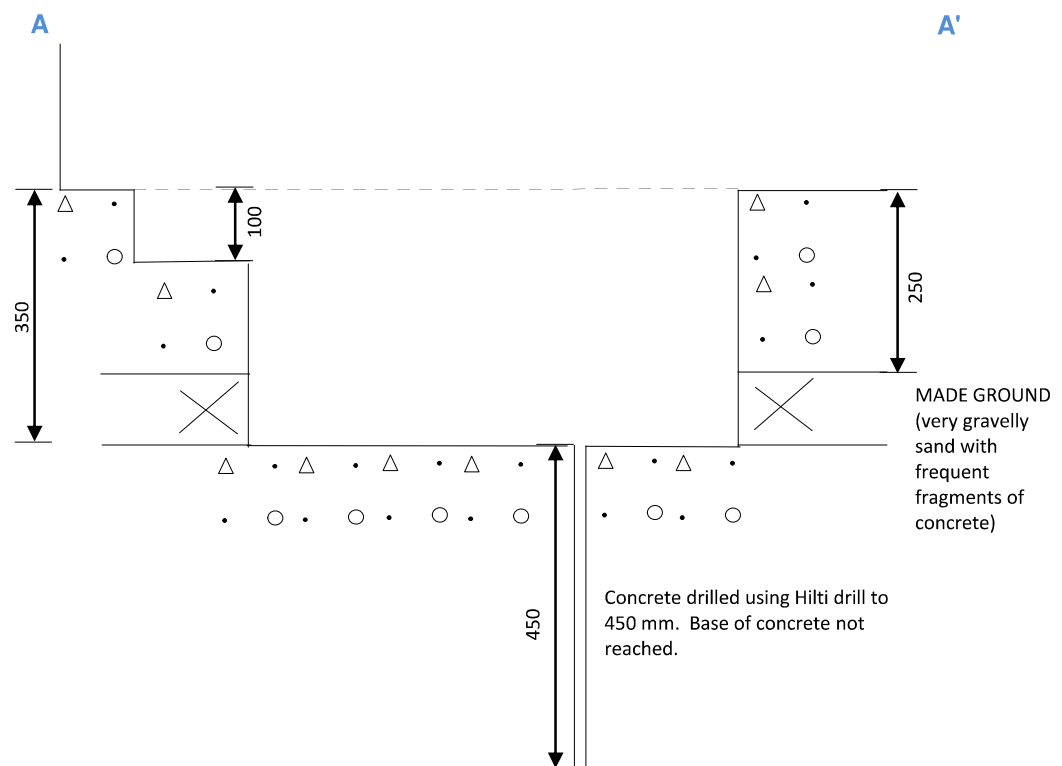
Location	
----------	--

Lower ground floor, as per separate plan

**Plan: -**



**Section A - A': -**



Remarks:

Scale:

Approx 1:10

Logged by:

KM

Trial pit backfilled upon completion





GEA

[www.gea-ltd.co.uk](http://www.gea-ltd.co.uk)

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

4

**Site** 13 Regents Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**

J21011

**Sheet**

2/2

**Dates**

27/01/2021

**Excavation Method**

Manual

**Dimensions**

900 x 700 x 450

**Ground Level (m TBM)**

47.08

**Location**

Lower ground floor, as per separate plan



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM



GEA

www.gea-ltd.co.uk

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

5

**Site** 13 Regents Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**  
J21011

**Sheet**  
1/2

**Dates**  
27/01/2021

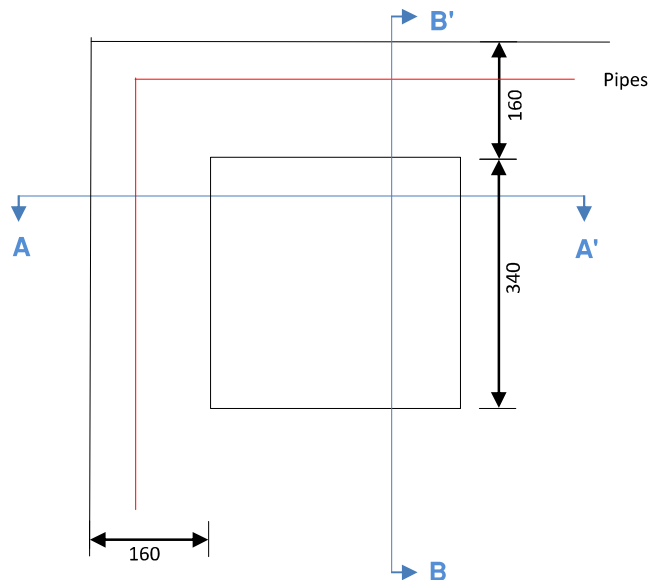
**Excavation Method**  
Manual

**Dimensions**  
500 x 500 x 400

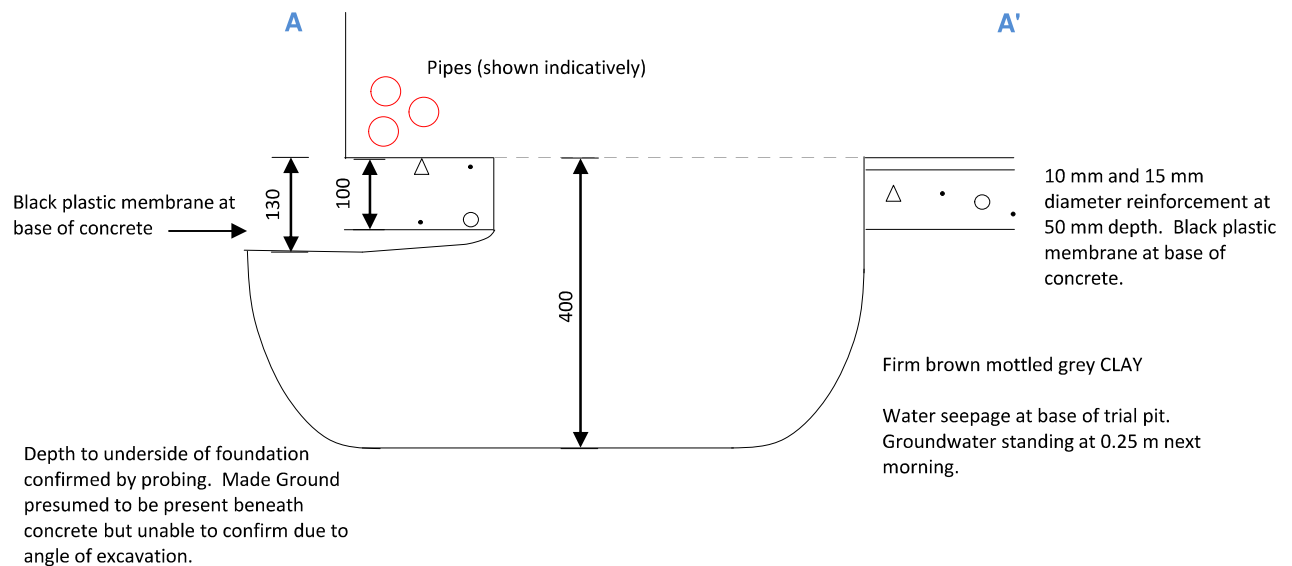
**Ground Level (m TBM)**  
46.10

**Location**  
Lower ground floor, as per separate plan

### Plan: -



### Section A - A': -



### Section B - B': - Same as A - A' but 150 mm to underside of foundation

**Remarks:**

Trial pit backfilled upon completion

**Scale:**  
Approx 1:10

**Logged by:**  
KM





GEA

[www.gea-ltd.co.uk](http://www.gea-ltd.co.uk)

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

5

**Site** 13 Regents Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**

J21011

**Sheet**

2/2

**Dates**

27/01/2021

**Excavation Method**

Manual

**Dimensions**

500 x 500 x 400

**Ground Level (m TBM)**

46.10

**Location**

Lower ground floor, as per separate plan



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM



GEA

www.gea-ltd.co.uk

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

6

**Site** 13 Regents Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**

J21011

**Sheet**

1/2

**Dates**

29/01/2021

**Excavation Method**

Manual

**Dimensions**

400 x 400 x 550

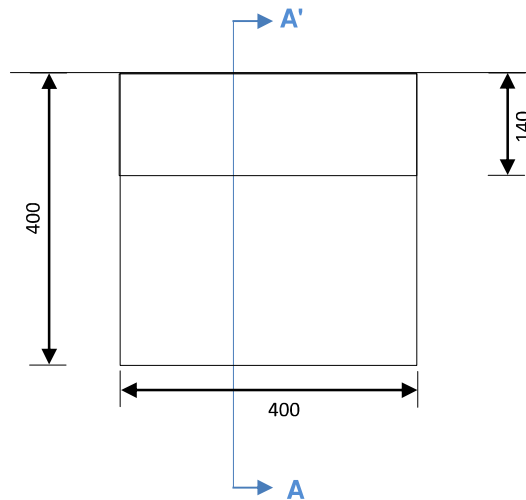
**Ground Level (m TBM)**

47.06

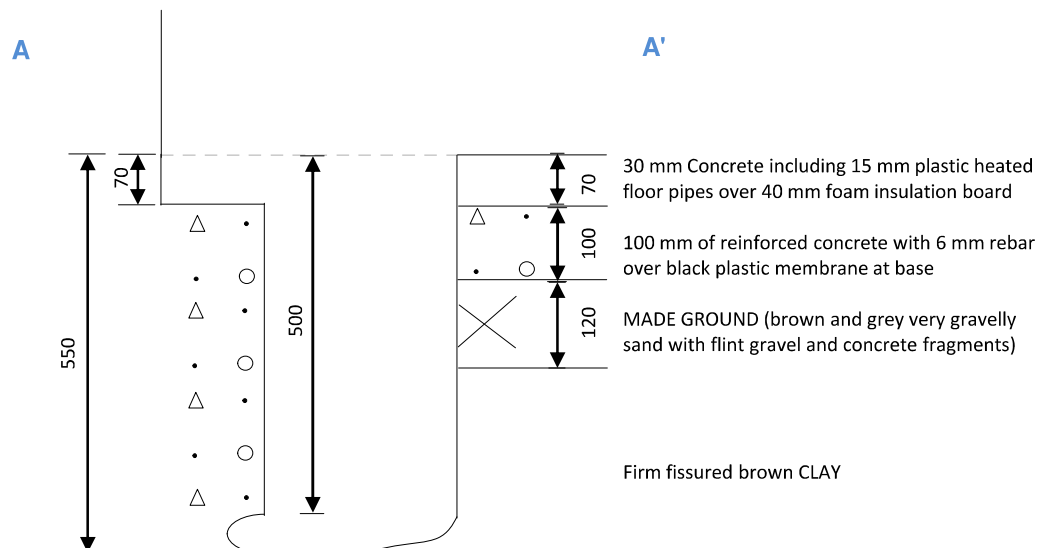
**Location**

Lower ground floor, as per separate plan

**Plan: -**



**Section A - A': -**



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM





GEA

[www.gea-ltd.co.uk](http://www.gea-ltd.co.uk)

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

6

**Site** 13 Regents Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**

J21011

**Sheet**

2/2

**Dates**

27/01/2021

**Excavation Method**

Manual

**Dimensions**

400 x 400 x 550

**Ground Level (m TBM)**

47.06

**Location**

Lower ground floor, as per separate plan



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM



GEA

www.gea-ltd.co.uk

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

7

**Site** 13 Regents Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**

J21011

**Sheet**

1/2

**Dates**

29/01/2021

**Excavation Method**

Manual

**Dimensions**

350 x 400 x 600

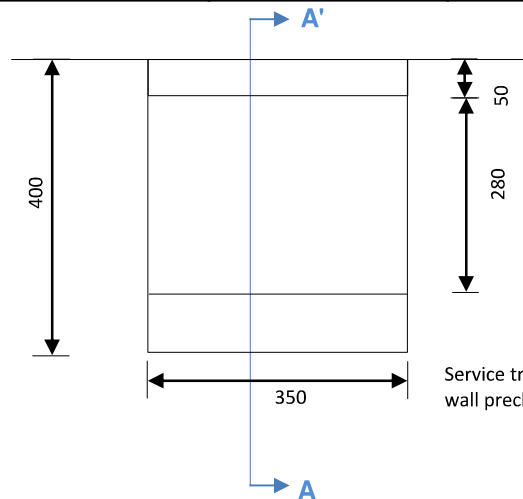
**Ground Level (m TBM)**

47.06

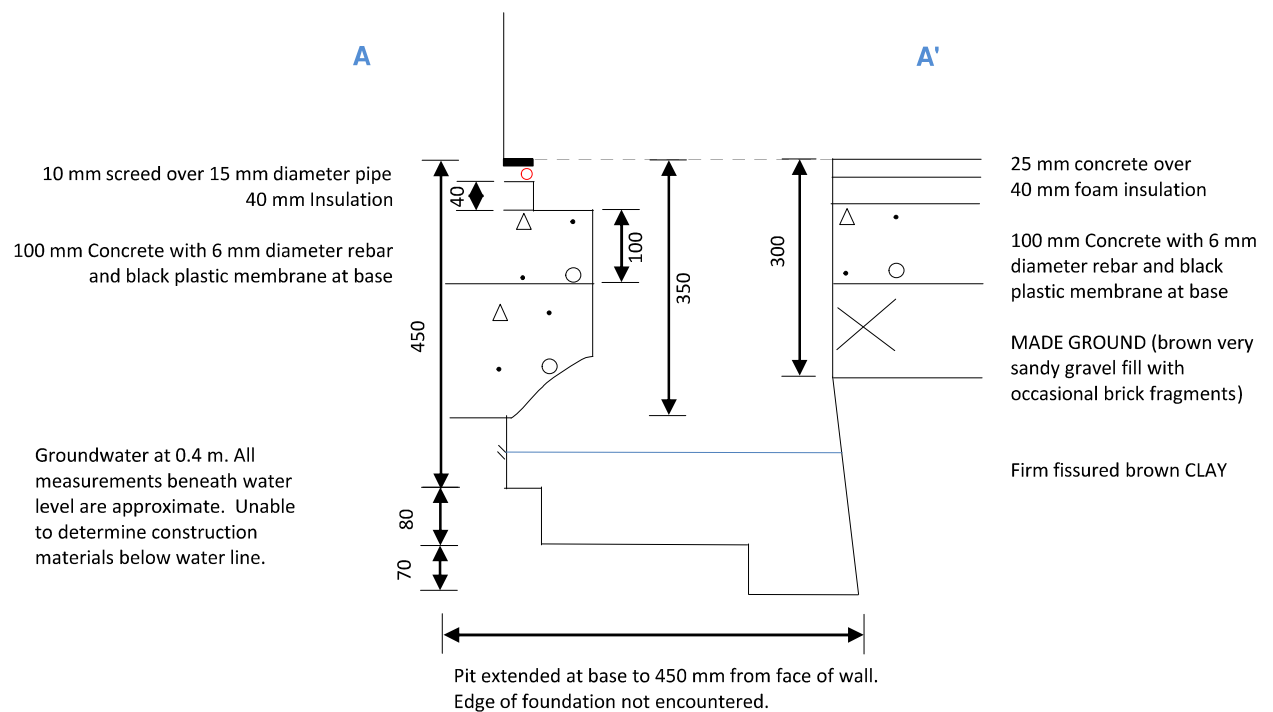
**Location**

Lower ground floor, as per separate plan

**Plan: -**



**Section A - A': -**



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM





GEA

[www.gea-ltd.co.uk](http://www.gea-ltd.co.uk)

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

7

**Site** 13 Regents Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**

J21011

**Sheet**

2/2

**Dates**

27/01/2021

**Excavation Method**

Manual

**Dimensions**

350 x 400 x 600

**Ground Level (m TBM)**

47.06

**Location**

Lower ground floor, as per separate plan



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM



GEA

www.gea-ltd.co.uk

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

8

**Site** 13 Regents Park Road, London NW1 7TL

**Job Number**  
J21011

**Client** Charles Blackburn

**Sheet**  
1/2

**Engineer** Morph Structures

**Dates**  
29/01/2021

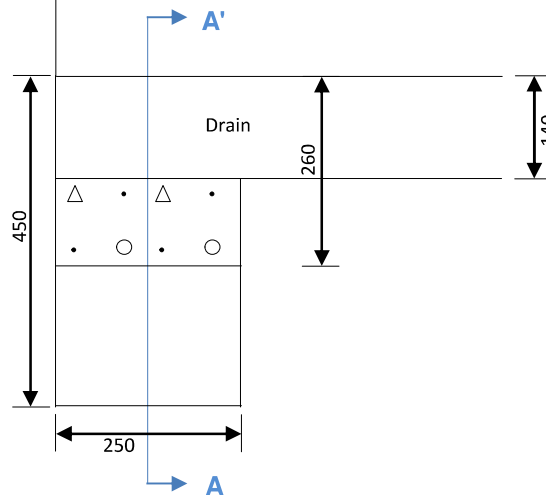
**Excavation Method**  
Manual

**Dimensions**  
250 x 450 x 900

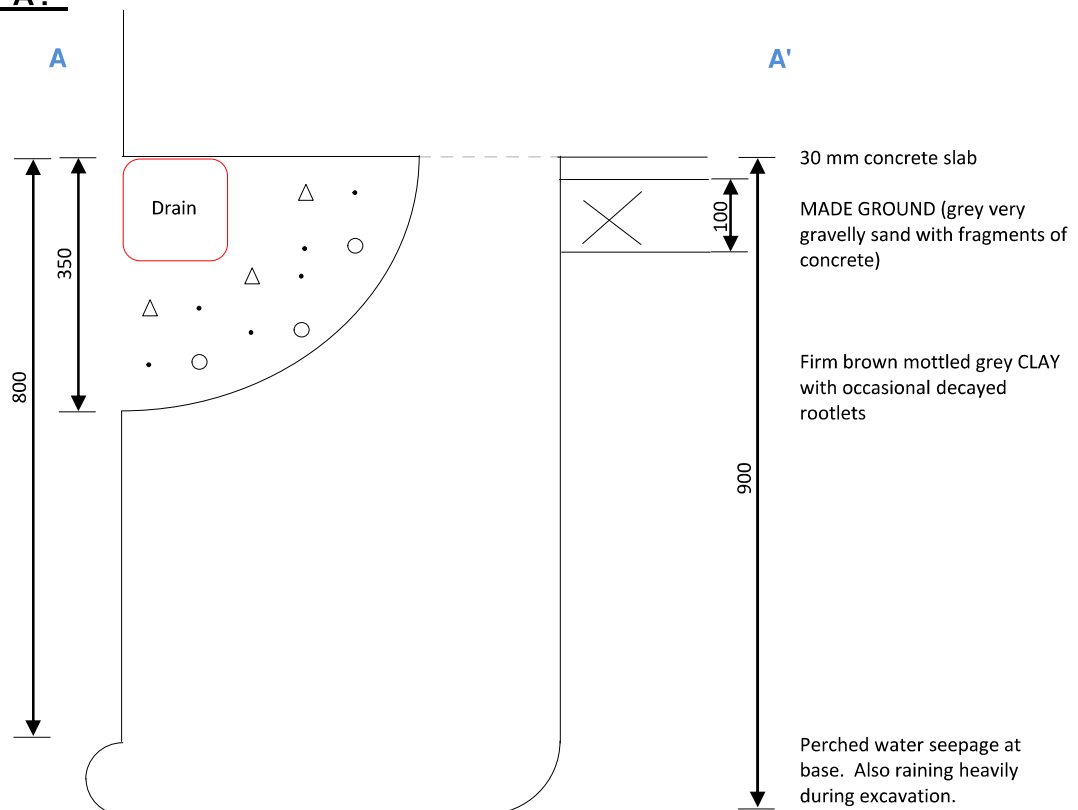
**Ground Level (m TBM)**  
46.90

**Location**  
Rear garden, as per separate plan

**Plan: -**



**Section A - A': -**



**Remarks:**

Trial pit backfilled upon completion

**Scale:**  
Approx 1:10

**Logged by:**  
KM





GEA

[www.gea-ltd.co.uk](http://www.gea-ltd.co.uk)

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

8

**Site** 13 Regents Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**

J21011

**Sheet**

2/2

**Dates**

27/01/2021

**Excavation Method**

Manual

**Dimensions**

250 x 450 x 900

**Ground Level (m TBM)**

46.90

**Location**

Rear garden, as per separate plan



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM





GEA

www.gea-ltd.co.uk

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

9

**Site** 13 Regents Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**

J21011

**Sheet**

1/2

**Dates**

29/01/2021

**Excavation Method**

Manual

**Dimensions**

400 x 400 x 350

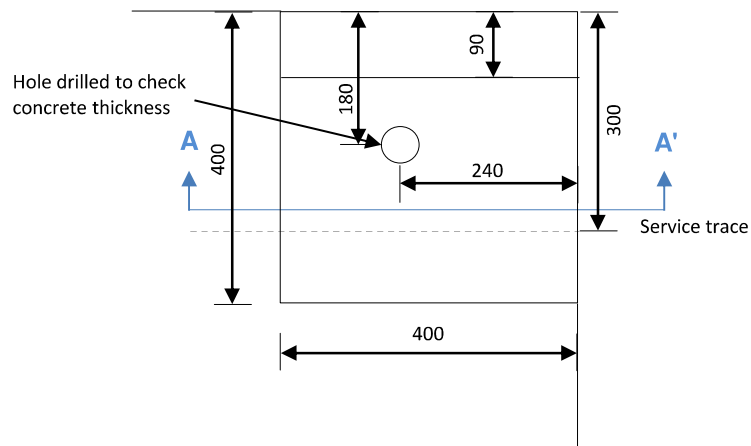
**Ground Level (m TBM)**

46.91

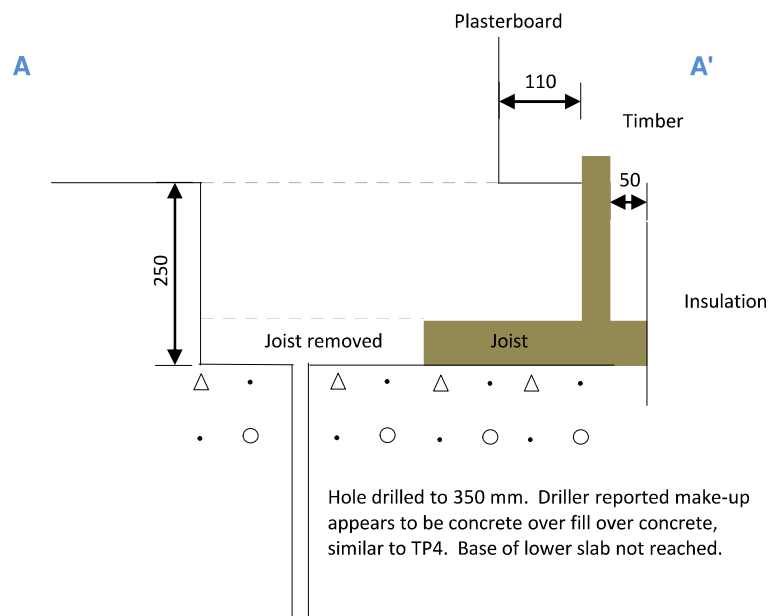
**Location**

Rear extension, as per separate plan

**Plan: -**



**Section A - A': -**



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM



GEA

[www.gea-ltd.co.uk](http://www.gea-ltd.co.uk)

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

8

**Site** 13 Regents Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**

J21011

**Sheet**

2/2

**Dates**

27/01/2021

**Excavation Method**

Manual

**Dimensions**

250 x 450 x 900

**Ground Level (m TBM)**

46.91

**Location**

Rear extension, as per separate plan



**Remarks:**

Trial pit backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM



GEA

www.gea-ltd.co.uk

Herts | 01727 824666 Notts | 01509 674888

**Trial Pit No**

10

**Site** 13 Regents Park Road, London NW1 7TL

**Client** Charles Blackburn

**Engineer** Morph Structures

**Job Number**

J21011

**Sheet**

1/1

**Dates**

29/01/2021

**Excavation Method**

Manual

**Dimensions**

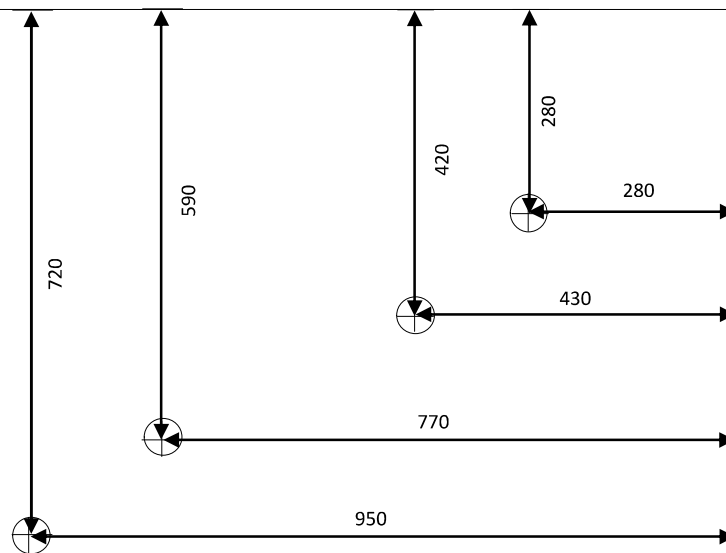
**Ground Level (m TBM)**

46.10

**Location**

Lower ground floor, as per separate plan

**Plan: -**



Four holes drilled to check concrete thickness at locations shown above. Each hole drilled to 450 mm deep and base of concrete not reached in any hole.

**Remarks:**

Drill holes backfilled upon completion

**Scale:**

Approx 1:10

**Logged by:**

KM

## SUMMARY OF GEOTECHNICAL TESTING

Sample details					Classification Tests					Density Tests		Undrained Triaxial Compression				Chemical Tests			Other tests and comments
Location	Depth (m)	Sample Ref	Type	Description	WC	LL	PL	PI	<425 µm	Bulk	Dry	Condition	Cell Pressure	Deviator Stress	Shear Stress	pH	2:1 W/S SO4	W/S Mg	
					%	%	%	%	%	Mg/m³	Mg/m³		kPa	kPa	kPa		g/L	mg/L	
BH1	1.50		D	Greyish brown CLAY.	33.5	82	27	55	100										
BH1	2.00		D	Greyish brown sandy CLAY. Sand is fine to medium.	31.6														
BH1	2.50		D	Greyish brown CLAY with rare gravel, rootlets and gypsum.	29.4	71	27	44	97										
BH1	3.00		D	Greyish brown CLAY with rare gravel and gypsum.	33.5											8.5	0.86		
BH1	3.50		D	Greyish brown CLAY with rare gypsum.	30.4														
BH1	4.00		D	Greyish brown CLAY with pockets of grey clay and fine sand.	31.7	71	28	43	99										
BH1	4.50		D	Greyish brown CLAY with pockets of organic material and rootlets.	33.5														
BH1	5.00		D	Greyish brown sandy silty CLAY with rare gypsum. Sand is fine.	30.9														
BH1	10.50		D													8.4	1.9		

Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed)

Checked and Approved by



J Sturges - Operations Manager  
23/02/2021

Project Number:

**GEO / 32568**

Project Name:

**13 REGENT'S PARK ROAD, LONDON NW1 7TL  
J21011**

**GEOLABS**®