# TRIAL PIT & BOREHOLE INVESTIGATION

DATE: 30-11-2012.

SITE: 13, Torriano Avenue, London. NW5 2SN.

FOR: GAB Robins.

REF: B1239944

## BY

# SOILTECH SURVEYS

FOUNDATION INVESTIGATION & TEST DRILLING UNIT 10, REEDS FARM ESTATE, ROXWELL ROAD, WRITTLE, CHELMSFORD, CM1 3ST

E-mail: sarkley@btinternet.com







Soiltech Surveys Sheet: 1 of 1 Site Plan Foundation Investigation & Test Drilling Ref No: B1239944 Tel/Fax: 01245 496389 Date: Not to scale 30.11.12 Site: 13 Torriano Avenue London NW5 Client: GAB Robins LARGE HORSE CHESTNUT REAR LARGE ASHSHRUBS внз ADDITION IVY ADDITION NO.13 NO.15 PRIVET HEDGE FRONT LARGE WILLOW PRIVET HEDGE Remarks: Key: TP = Trial PitIC = Inspection chamber BH = BoreholeIL = Invert level H = Approximate Height RWP = Rain water pipeG = GulleyTree identification not authenticated. SVP = Soil vent pipe

240

D

V 48

48

BRICK

CONCRETE & BRICK RUBBLE FOUNDATION

Remarks: Water entering trial pit 400mm below g.level.

GROUND LEVEL

△ CONCRETE

MADE GROVND: soft mid brown skightly gravelly ver silty topsoilly clay with brick and concrete rubble and

MADE GROUND tirns mid brown mottled orange silty

Numerous roots of live appearance to 40mm Ø

plastic bags.

Water strike 400mm

D = Small Disturbed sample

V = Pilcon Shear Vane Test

SPT = Standard Penetration Test M = Mackintosh Probe Penetration Test

U = Undisturbed sample

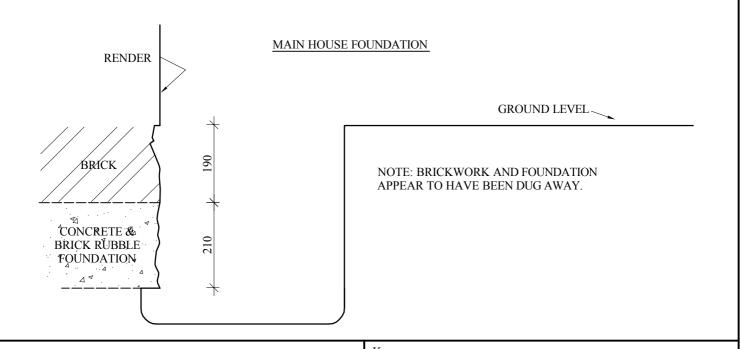
W = Water sample

B = Bulk sample

clay with pieces of brick rubble,

FOR STRATA BELOW 600mm SEE BH LOG

200



#### Soiltech Surveys Sheet: 1 of 1 Borehole No: 1 Foundation Investigation & Test Drilling Ref No: B1239944 Tel/Fax: 01245 496389 Date: 30.11.12 Boring Method: Hand tools Site: 13 Torriano Avenue London NW5 Client: **GAB Robins** Samples Insitu tests Depth (m) Thick-ness Description Field comments Type Result Depth As trial pit one. As trial pit one. 0.6 0.6 0.6 - Several roots of live appearance to 3mmØ. MADE GROUND: firm mid brown grey veined silty clay with pieces of brick rubble. D 1.0 130 1.0 140 +D 1.5 140+ 1.5 - Occasional hair and 140+ fibrous roots. Very stiff friable mid brown mottled orange grey veined 2.5 silty CLAY. D 2.0 140 +140+ To 2.5m 140 +D 2.5 2.5 140 +140+ D 3.0 140 +Stiff very stiff friable mid brown mottled orange grey 1.5 veined silty CLAY with crystals. 4.0 D 4.0 140+ 140 +Borehole ends at 4.0m Remarks: Borehole dry and open on completion. D = Small Disturbed sample V = Pilcon Vane Test B = Bulk sampleW = Water sampleU = Undisturbed sampleS.P.T. = Standard Penetration Test M = Mackintosh Probe Penetration Test

# Soiltech Surveys Sheet: 1 of 1 Trial Pit No: 2 Foundation Investigation & Test Drilling Ref No: B1239944 Tel/Fax: 01245 496389 Date: Not to scale 30.11.12 Site: 13 Torriano Avenue London NW5 Client: **GAB** Robins RENDER GROUND LEVEL -Turf over MADE GROWND firm dark brown stightly gravelly 60 📈 topsoil clay with pieces of brick rubble, BRICK Numerous roots of live appearance to 20 mm (0 MADE GROUND: firm mid brown mottled orange grey veined MORTAR sity clay with pieces of brick rubble DV 50 300 Numerous roots of live appearance to 25mm & TRIAL PIT EXCAVATED TO 500mm Remarks: D = Small Disturbed sample W = Water sampleU = Undisturbed sample B = Bulk sampleSPT = Standard Penetration Test

M = Mackintosh Probe Penetration Test

V = Pilcon Shear Vane Test

# Soiltech Surveys Sheet: 1 of 1 Trial Pit No: 3 Foundation Investigation & Test Drilling Ref No: B1239944 Tel/Fax: 01245 496389 Date: Not to scale 30.11.12 Site: 13 Torriano Avenue London NW5 Client: **GAB** Robins GROUND LEVEL PAVING SLABS MADE GROUND: sand bed BRICK LEAN MIX CONCRETE 200 370 Firm mid brown mottled orange grey veined silty Numerous roots of live appearance to 20mm Ø. 420 XStiff mid brown mottled orange grey veined silty DV 108 130 118 Numerous roots of live appearance to 10mm Ø. FOR STRATA BELOW 900mm SEE BH LOG Remarks: D = Small Disturbed sample W = Water sampleU = Undisturbed sample B = Bulk sampleSPT = Standard Penetration Test M = Mackintosh Probe Penetration Test

V = Pilcon Shear Vane Test

Borehole No: 3		Sheet: 1 of 1  Ref No: B1239944		Soiltech Surveys Foundation Investigation & Test Drilling Tel/Fax: 01245 496389  Site: 13 Torriano Avenue London NW5						
										Boring Method: Hand tools
Client: GAB Robins										
Depth (m)	Description		Thick- ness	Legend		nples Depth	Insitu tests Type Result	Field comments	Depth to Water	
0.9	As trial pit three.		0.9					As trial pit three.		
				×-   ×	D	1.0	V 140+ 140+	0.9 - Several roots of live appearance to $3\text{mm}\emptyset$ .		
2.7	Very stiff friable mid brown mottled orange grey veined silty CLAY.		1.8	_ ^ - × _ — × — ×	D	1.5	V 140+ 140+	1.5 - Occasional roots of live appearance to 1mm Ø.		
				×— — × — × — ×	D	2.0	V 140+ 140+			
				- x-  x- 	D	2.5	V 140+ 140+	To 2.5m		
	Stiff/very stiff mid brown mottled orange grey veined silty CLAY with crystals.		1.3	×_  	D	3.0	V 140+ 140+			
				X 						
4.0	Borehole ends at	4.0m			D	4.0	V 140+ 140+			
Remarks: Borehole dry and open on completion.				Key:  D = Small Disturbed sample						

#### REPORT NOTES

#### **Equipment Used:**

Hand tools, mechanical concrete breaker & spade, hand augers and 100mm diameter open bored continuous flight auger (access permitting)

#### **Insitu tests:**

By Pilcon hand shear vane tester (kN/m2) in clay soils, and or Mackintosh probe penetration test(blows per 75mm) in granular soil or made ground.

## **Soil description:**

Soil descriptions are on-site descriptions only.

#### **Tree roots:**

Tree roots relate to tree roots observed in trial pits and boreholes only.

#### Note:

Details reported in trial pits and boreholes relate to positions investigated only, as instructed by the client, on the date shown only. We therefore do not accept any responsibility for changes in soil conditions not investigated any variations due to climate, seasons, vegetation and varying ground water levels.

Full terms and conditions are available upon request.

## By SOILTECH SURVEYS

FOUNDATION INVESTIGATION AND TEST DRILLING.
Unit 10, Reeds Farm Estate,
Roxwell Road,
Writtle, Chelmsford,
Essex.
CM1 3ST.