



Geotechnical Survey Report

FSI Ref: 8863
Issue Date: August 2014

Address: 13 Glenilla Road
London
NW3 4AJ

Engineer: Andries V Kruger

Company: sporadicSPACE

Director:
Office Manager:
Report Writer:

Martin Rush MSc FGS
Louise Hiscock BSc (Hons)
Perry Martin AMCIHT

Laboratory Manager:

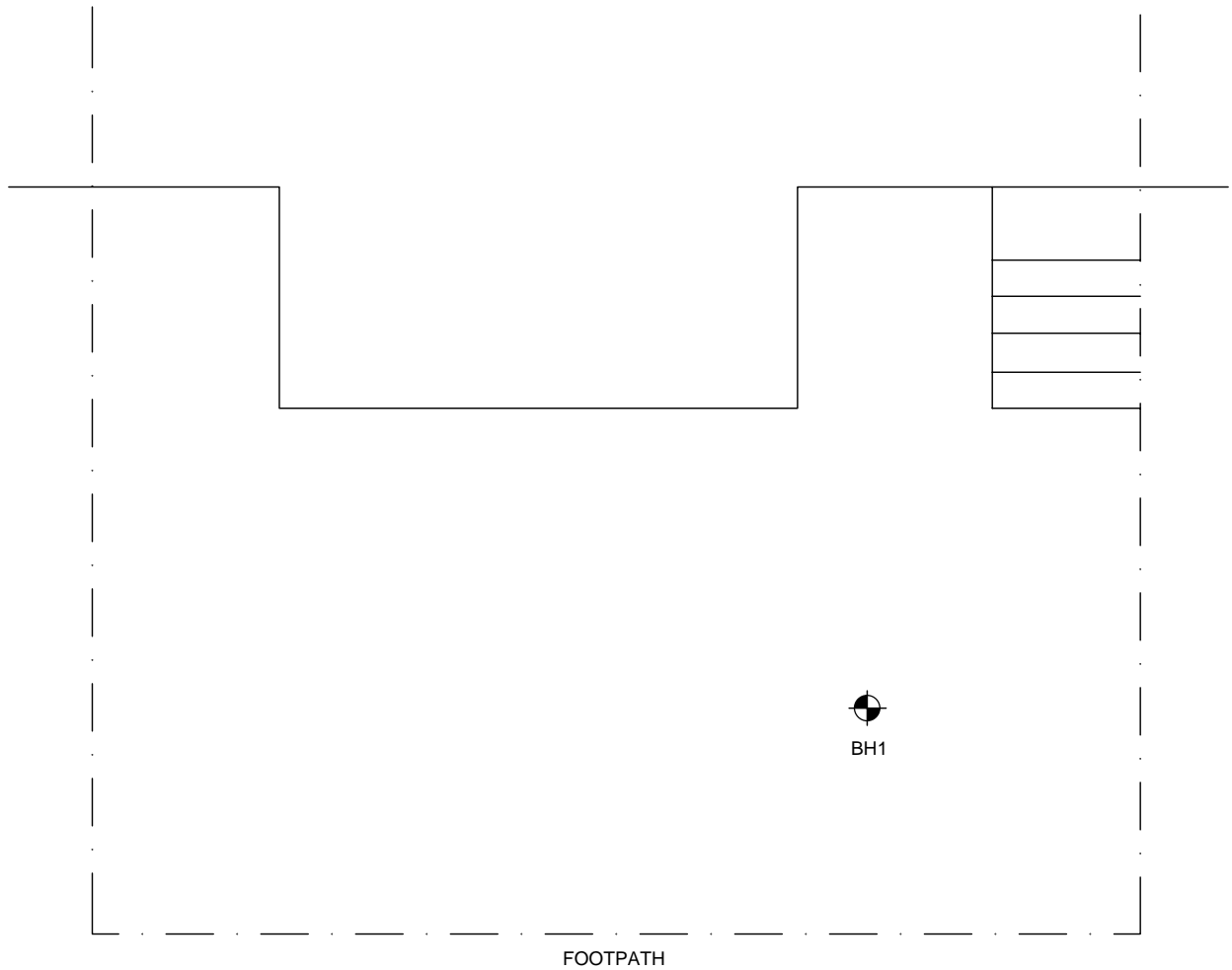
Lara Knight

SITE PLAN

Property Address: 13 Glenilla Road, London, NW3 4AJ


Client Claim Ref: 13 Glenilla Road

Survey date: 01/08/2014


Operative: SE1

Scale:
 NTS


Drawn by:
 LK


Key:
 Trial Pit


 Borehole


Manholes


 Rain Water Pipe

 Soil & Vent Pipe

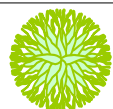
 Surface Water Gully

 Foul Water Gully


Shrub



Tree (Conifer)


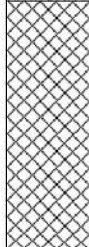
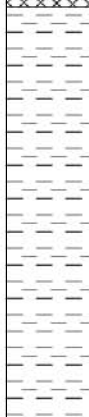
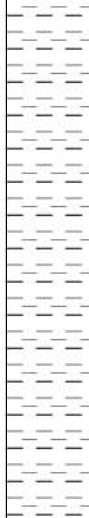




Tree (Deciduous)

BOREHOLE LOG

Property Address: 13 Glenilla Road, London, NW3 4AJ
Client Claim Ref: 13 Glenilla Road **Survey date:** 01/08/2014 **Operative:** SE1

Borehole ID: BH1 **Hole Type:** HA **Scale:** 1:30

Water Strikes	Samples		Insitu Tests		Depth (m)	Legend	Stratum Description and Observations
	Type	Depth (m)	Type	Results			
					0.30		Topsoil
	D1	1.00	V	140.00			Mid brown clayey MADE GROUND containing flint gravel and brick
					1.30		Very stiff mid brown CLAY containing mottle
	D2	2.00	V	118.00 120.00			
	D3	3.00	V	140.00			Noted to contain gypsum from 3.00m
	D4	4.00	V	140.00			
	D5	5.00	V	140.00	5.00		End of Borehole at 5.00 m

Key:  Water Strike D Disturbed Sample V Insitu vane test MP Mackintosh Probe Test

Remarks: Borehole was closed at 5.00m as requested. Borehole was noted to be dry on completion.

N.b. Unless otherwise stated small vane paddle used



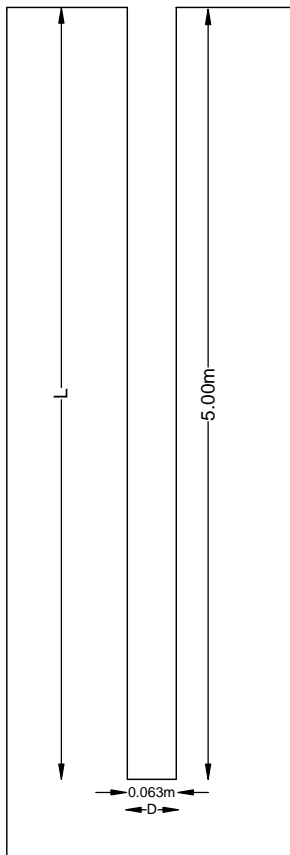
Variable Head Test

Property Address: 13 Glenilla Road, London, NW3 4AJ

Survey date: 01/08/2014

Operative: SE1

Borehole Information



Permeability (k) = $A/FT = 0.0031 / (0.17325 \times 191) = \underline{\underline{\text{unable to calculate}}}$

A = Cross sectional area of BH = 0.0031 m²

F = Intake Factor = 0.17325

T = Basic Time Factor when $H/H^0 = 0.37 = \text{Unable to calculate}$







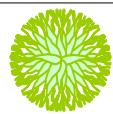



H⁰ = Head at start of test

H = Head at any time t

$F = 2.75 \times D$

10mm DROP IN WATER LEVEL AFTER 30 MINUTES

Falling Head Permeability Tests were carried out within borehole 1 at depths of 5.00m below existing ground level. The permeability tests undertaken at this site were falling head tests undertaken in accordance with B.S. 5930:1999 Part 25.4.3 Variable Head Test.

Scale:	Drawn by:	Key:	 Trial Pit	 Manholes	 Rain Water Pipe	 Surface Water Gully	 Shrub	 Tree (Conifer)	 Tree (Deciduous)
NTS	LK	 Borehole	 Soil & Vent Pipe	 Foul Water Gully					