

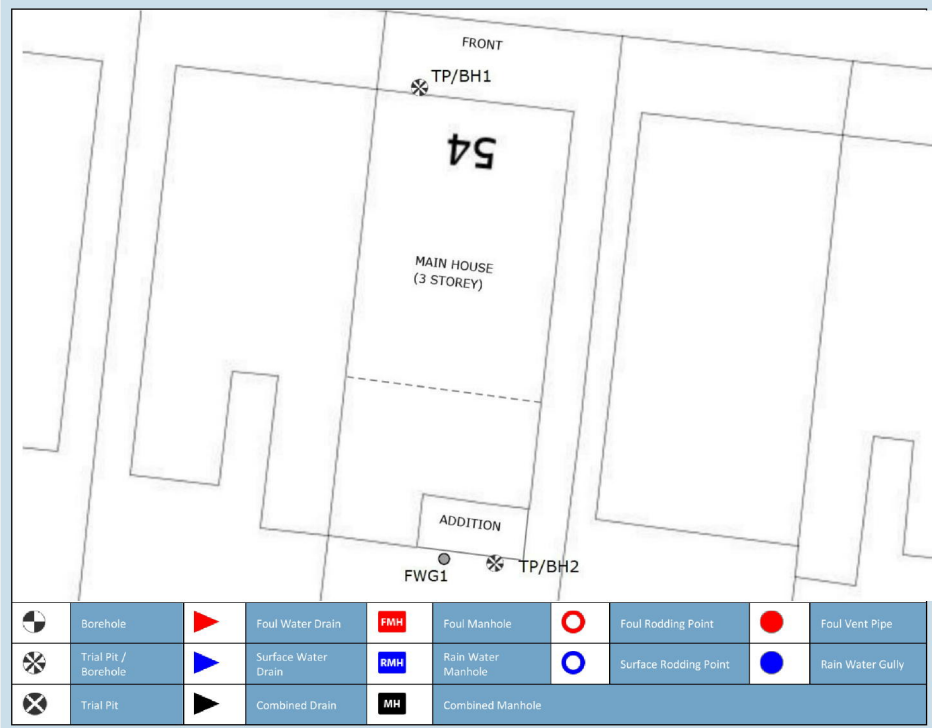
GEOTECHNICAL

for Subsidence Management Services

54 Patshull Road, London, NW5 2LD

Client: Subsidence Management Services
Client Contact: Peter Hughes
Client Ref: [REDACTED]
Policy Holder: [REDACTED]
Report Date: 13 February 2019
Our Ref: [REDACTED]

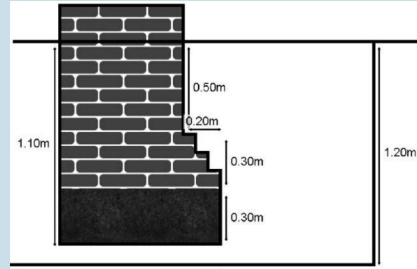
Site Plan



TP/BH1 Foundation Detail and Borehole Log

Foundation Detail

House foundation comprised of brick wall to 500mm bgl, bearing on stepped brick to 800mm bgl with a total projection of 200mm from the elevation. In turn, bearing on clinker to 1100mm bgl with a total projection of 200mm from the elevation. Underside of foundation (USF) was exposed to 100mm back from the face of the foundation and probed 300mm back from the face of the foundation.

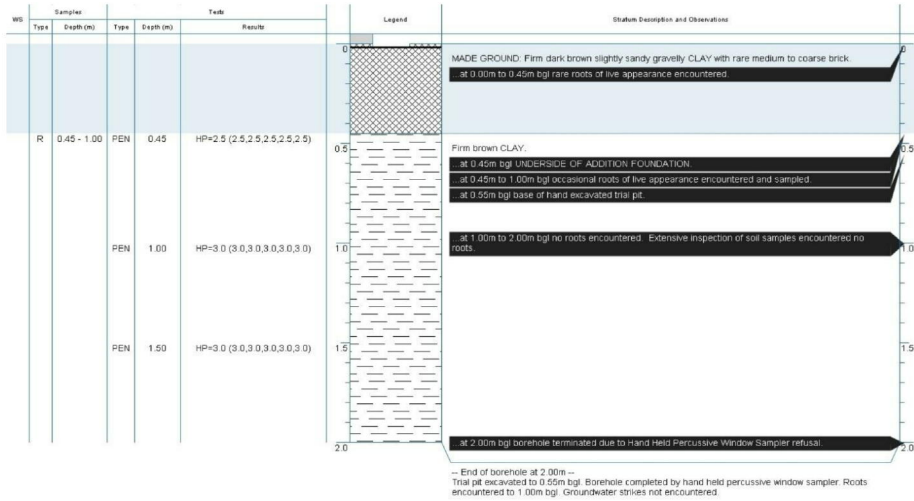
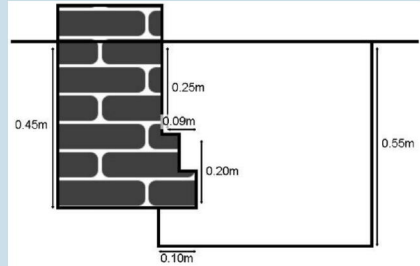


WS	Sampler		Tests		Legend	Stratum Description and Observations
	Type	Depth (m)	Type	Depth (m)		
					0	TOPSOIL
					0.5	MADE GROUND: Firm dark brown slightly sandy gravelly CLAY with occasional medium brick.
R D	1.10 - 1.60	PEN	1.10	HP-5.0 (5.0,5.0,5.0,5.0,5.0)	1.10	Stiff brown CLAY. at 0.30m to 1.10m bgl occasional roots of live appearance encountered. at 1.1m bgl UNDERSIDE OF HOUSE FOUNDATION. at 1.10m to 2.30m bgl occasional roots of live appearance encountered and sampled. at 1.20m bgl base of hand excavated trial pit.
D R	1.60 - 2.10 1.60 - 2.10	PEN	1.60	HP-5.0 (5.0,5.0,5.0,5.0,5.0)	1.60	
D R	2.10 - 2.60 2.10 - 2.30	PEN	2.10	HP-5.0 (5.0,5.0,5.0,5.0,5.0)	2.10	at 2.30m to 2.60m bgl no roots encountered. Extensive inspection of soil samples encountered no roots.
					2.60	at 2.60m bgl borehole terminated due to Hand Held Percussive Window Sampler refusal. - End of borehole at 2.60m - Trial pit excavated to 1.20m bgl. Borehole completed by hand held percussive window sampler.

TP/BH2 Foundation Detail and Borehole Log

Foundation Detail

Addition foundation comprised of brick wall to 250mm bgl, bearing on stepped brick to 450mm bgl with a total projection of 90mm from the elevation. Underside of foundation (USF) was exposed to 100mm back from the face of the foundation and probed 300mm back from the face of the foundation.



Site Observations

GENERAL:

Site Investigation works undertaken on 30 January 2019 during dry weather (i.e. no rain).

HEALTH AND SAFETY:

Negative signal obtained in Power and Radio and Genny mode on the Cable Avoidance Tool (CAT) at TP/BH 1 and TP/BH 2.

FOUNDATIONS:

House foundation was exposed and the underside of foundation (USF) recorded to be 1.10m bgl in TP/BH 1.

Addition foundation was exposed and the underside of foundation (USF) recorded to be 0.45m bgl in TP/BH 1.

ROOTS:

Roots encountered to 2.30m and 1.00m bgl in TP/BH 1 and TP/BH 2.

IN SITU TESTING:

Hand Penetrometer (PEN) undertaken at 1.10m and 0.45m bgl within the window sampler and thereafter in the window sampler at maximum 0.50m intervals in TP/BH 1 and TP/BH 2.

WATER STRIKES:

No water strikes (NWS) encountered in TP/BH 1 and TP/BH 2.

The groundwater observations do not necessarily indicate equilibrium conditions. Groundwater levels are subject to both seasonal and weather induced variations. Other effects such as construction activities may also change groundwater levels.