

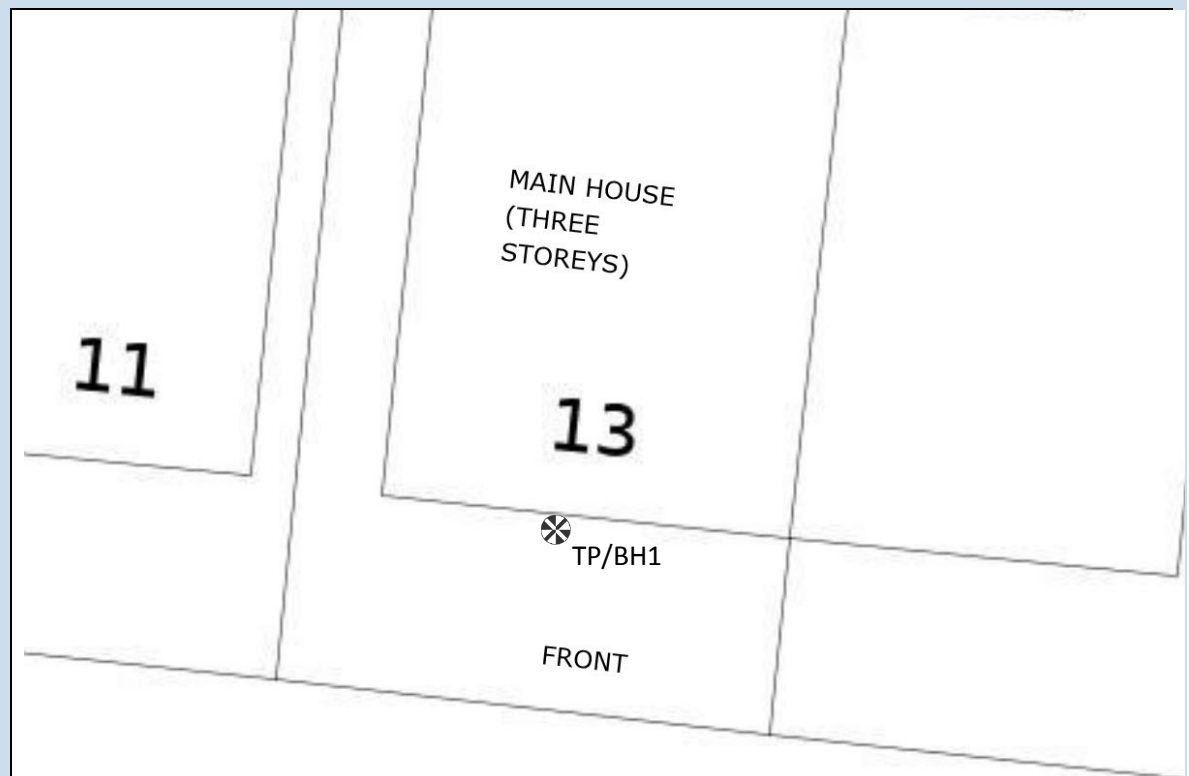
GEOTECHNICAL

for Subsidence Management Services

13 Lawford Road, London, NW5 2LH

Client: Subsidence Management Services
Client Contact: Cyril Nazareth
Client Ref: IFS-LBG-SUB-17-0073205
Policy Holder: Mrs Sarah Jane Haydon
Report Date: 22 January 2018
Our Ref: C38007G17532

Site Plan

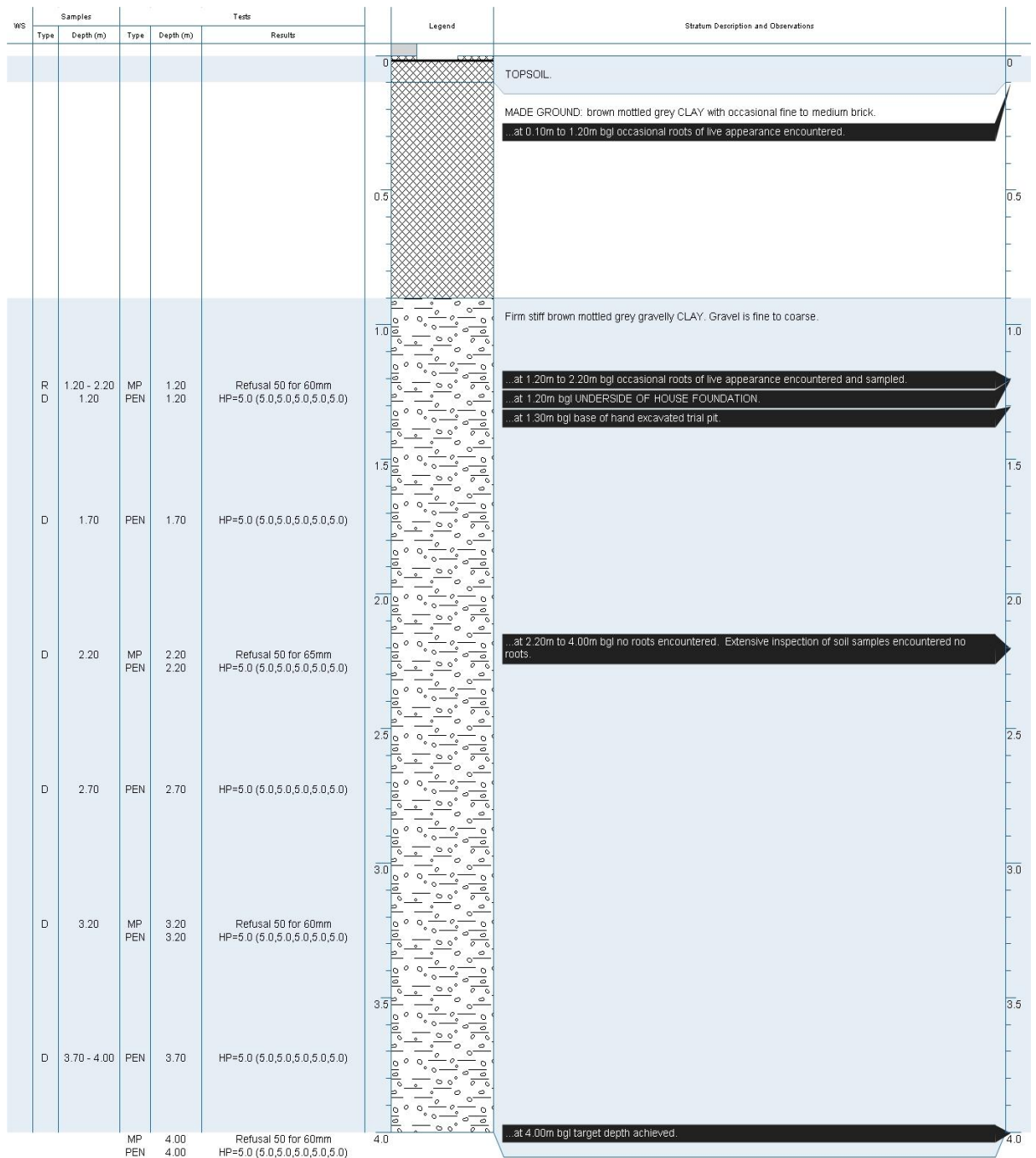
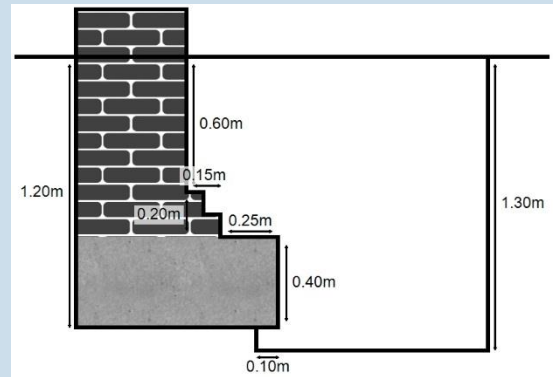


	Borehole		Foul Water Drain		Foul Manhole		Foul Rodding Point		Foul Vent Pipe
	Trial Pit / Borehole		Surface Water Drain		Rain Water Manhole		Surface Rodding Point		Rain Water Gully
	Trial Pit		Combined Drain		Combined Manhole				

TP/BH1 Foundation Detail and Borehole Log

Foundation Detail

House foundation comprised of brick wall to 600mm bgl, bearing on stepped brickwork to 800mm bgl with a total projection of 150mm from the elevation. In turn, bearing on concrete to 1200mm bgl with a total projection of 400mm from the elevation. Underside of foundation (USF) was exposed to 100mm back from the face of the foundation and probed 450mm back from the face of the foundation.



-- End of borehole at 4.00m --
Trial pit excavated to 1.30m bgl. Borehole completed by hand held percussive window sampler. Borehole completed by hand held percussive window sampler. Roots encountered to 2.20m bgl. Groundwater strikes not encountered. PEN = Hand Penetrometer (kg/sq cm). MP = Mackintosh Probe (blows per 75mm).

Site Observations

GENERAL:

Site Investigation works (TP/BH 1) undertaken on 11 January 2018 during dry weather (i.e. no rain).

HEALTH AND SAFETY:

Negative signal obtained in Power, Radio and Genny mode on the Cable Avoidance Tool (CAT) (TP/BH1).

FOUNDATIONS:

House foundation was exposed and the underside of foundation (USF) recorded to be 1.20m bgl (TP/BH 1).

BOREHOLE:

At 1.30m bgl base of hand excavated trial pit in TP/BH1. At 4.00m bgl target depth achieved in TP/BH1.

ROOTS:

At 0.10m to 1.20m bgl occasional roots of live appearance encountered in TP/BH1.

At 1.20m to 2.20m bgl occasional roots of live appearance encountered and sampled in TP/BH1.

At 2.20m to 4.00m bgl no roots encountered. Extensive inspection of soil samples encountered no roots in TP/BH1.

IN SITU TESTING:

Mackintosh Probe (MP) undertaken at 1.20m bgl (TP/BH 1) within the hand excavated trial pit and thereafter in the window sample borehole at maximum 1.00m intervals.

Hand Penetrometer (PEN) undertaken at 1.20m bgl (TP/BH 1) within the window sampler and thereafter in the window sampler at maximum 0.50m intervals.

WATER STRIKES:

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

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