

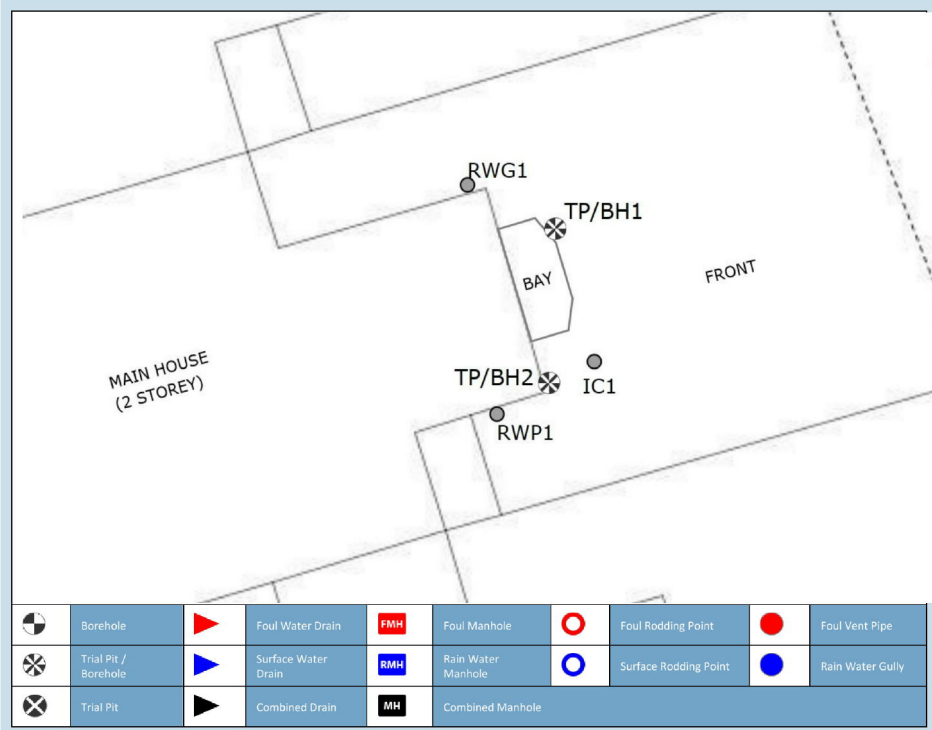
GEOTECHNICAL

for Subsidence Management Services

59 Hillway, London, N6 6AD

Client: Subsidence Management Services
Client Contact: Kevin Phillips
Client Ref: [REDACTED]
Policy Holder: Mr John Alderton
Report Date: 16 October 2018
Our Ref: [REDACTED]

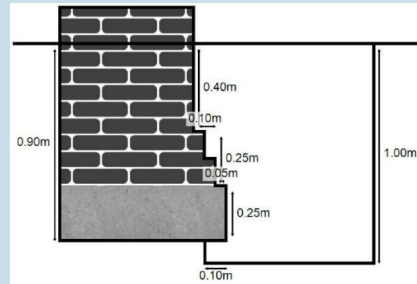
Site Plan



TP/BH1 Foundation Detail and Borehole Log

Foundation Detail

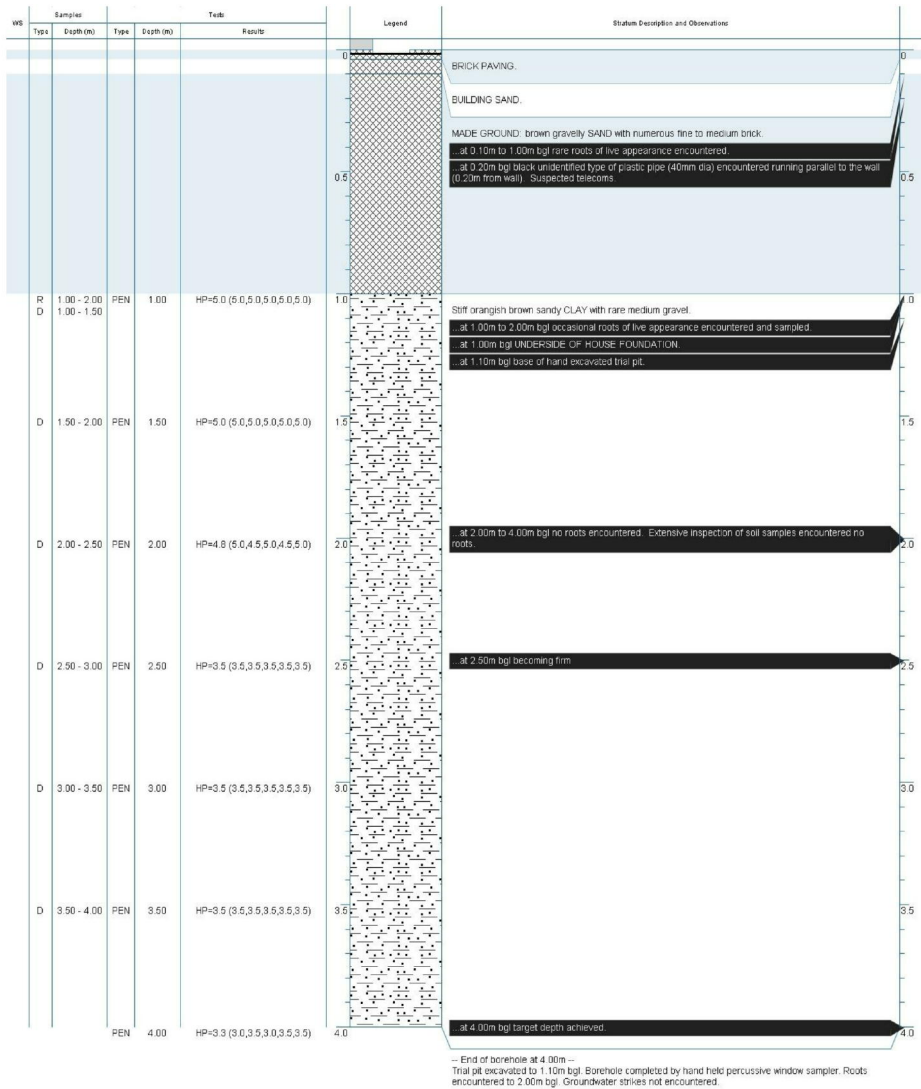
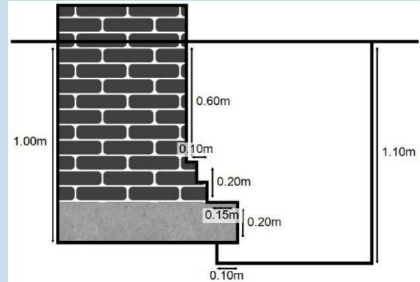
Bay foundation comprised of brick wall to 400mm bgl, bearing on stepped brick to 650mm bgl with a total projection of 100mm from the elevation. In turn, bearing on concrete to 900mm bgl with a total projection of 150mm from the elevation. Underside of foundation (USF) was exposed to 100mm back from the face of the foundation and probed 300mm back from the face of the foundation.



TP/BH2 Foundation Detail and Borehole Log

Foundation Detail

House foundation comprised of brick wall to 600mm bgl, bearing on stepped brick to 800mm bgl with a total projection of 100mm from the elevation. In turn, bearing on concrete to 1000mm bgl with a total projection of 250mm 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 2 October 2018 during dry weather (i.e. no rain).

HEALTH AND SAFETY:

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

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

Black cable (30mm dia) running parallel to wall (0.30m from wall) at 0.10m bgl in TP/BH 1. Suspected electricity supply.

Black plastic pipe (40mm dia) running parallel to wall (0.20m from wall) at 0.20m bgl in TP/BH 2. Suspected telecoms.

FOUNDATIONS:

Bay foundation was exposed and the underside of foundation (USF) recorded to be 0.90m bgl in TP/BH 1.

House foundation was exposed and the underside of foundation (USF) recorded to be 1.00m bgl in TP/BH 2.

ROOTS:

Roots encountered to 1.30m and 2.00 bgl in TP/BH 1 and TP/BH 2.

IN SITU TESTING:

Hand Penetrometer (PEN) undertaken at 0.90m and 1.00m 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:

A water strike (WS) was encountered in the clay at 3.80m bgl, with a standing water level (SWL) recorded at 3.80m bgl after 10 minutes in TP/BH 1. Standing water level within the exploratory hole at 3.80m bgl on completion.

No water strikes (NWS) encountered in 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.