

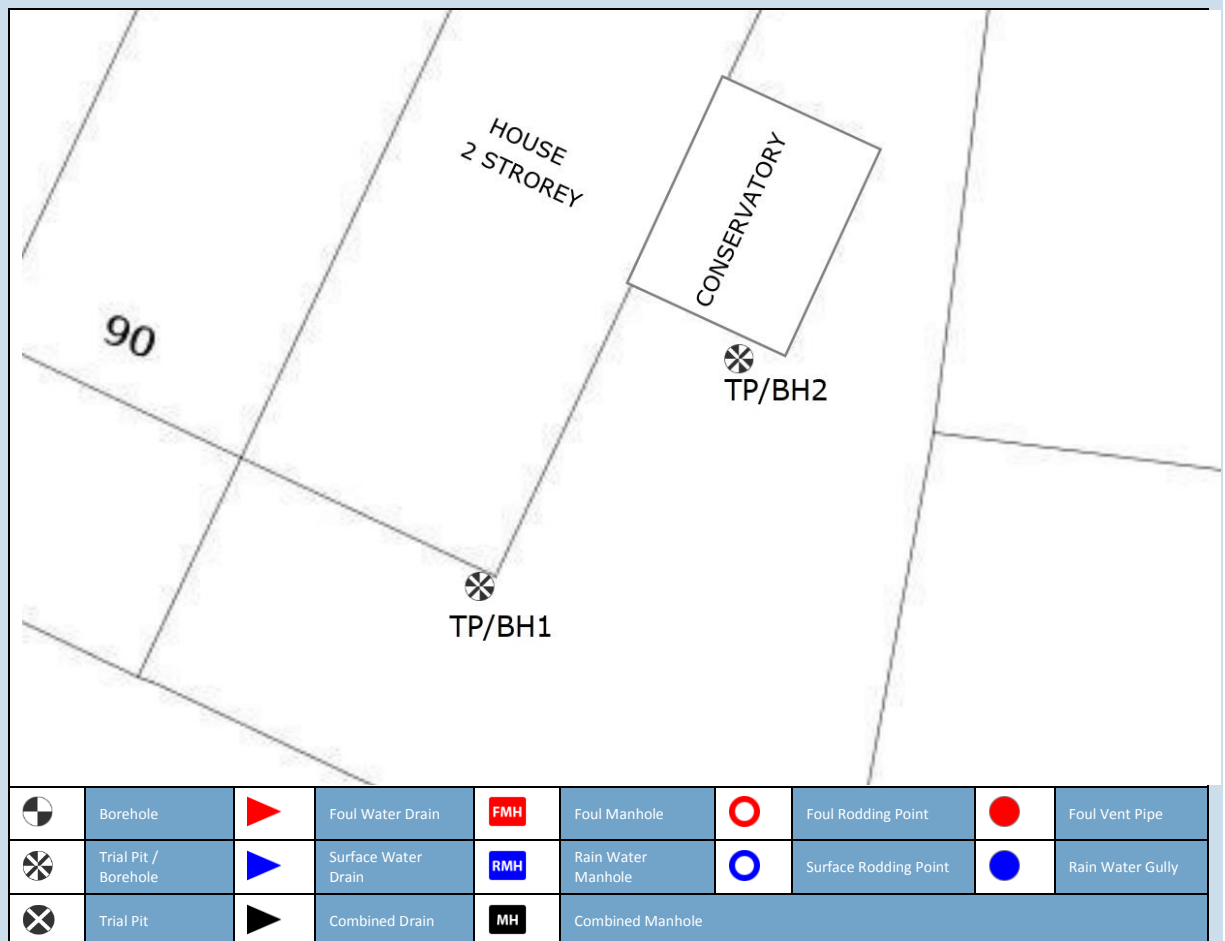
GEOTECHNICAL

for Subsidence Management Services

89 West End, March, PE15 8DJ

Client: Subsidence Management Services
Client Contact: Ian Hanson
Client Ref: IFS-LBG-SUB-19-0084888
Policy Holder: Mr Terence Redhead and Mrs Rachel Redhead
Report Date: 31 January 2020
Our Ref: C53129G23738

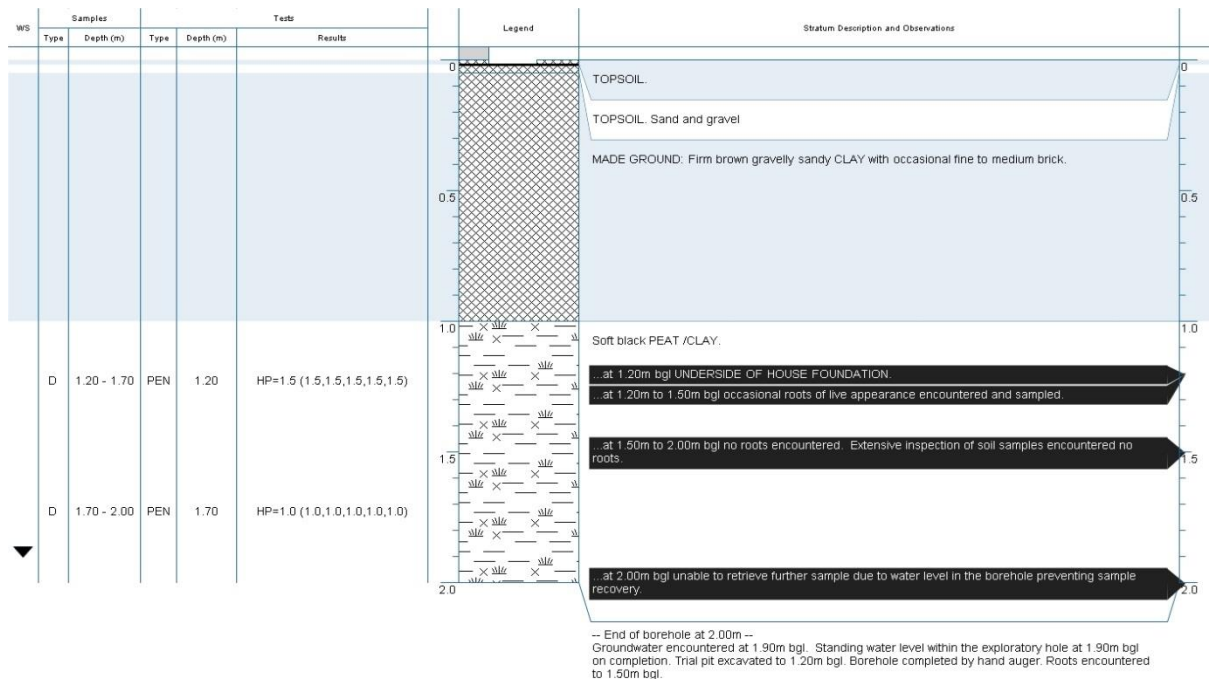
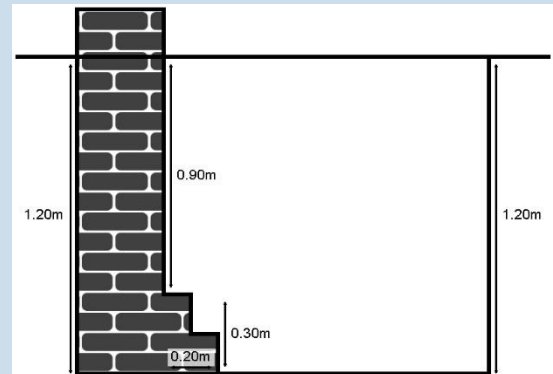
Site Plan



TP/BH1 Foundation Detail and Borehole Log

Foundation Detail

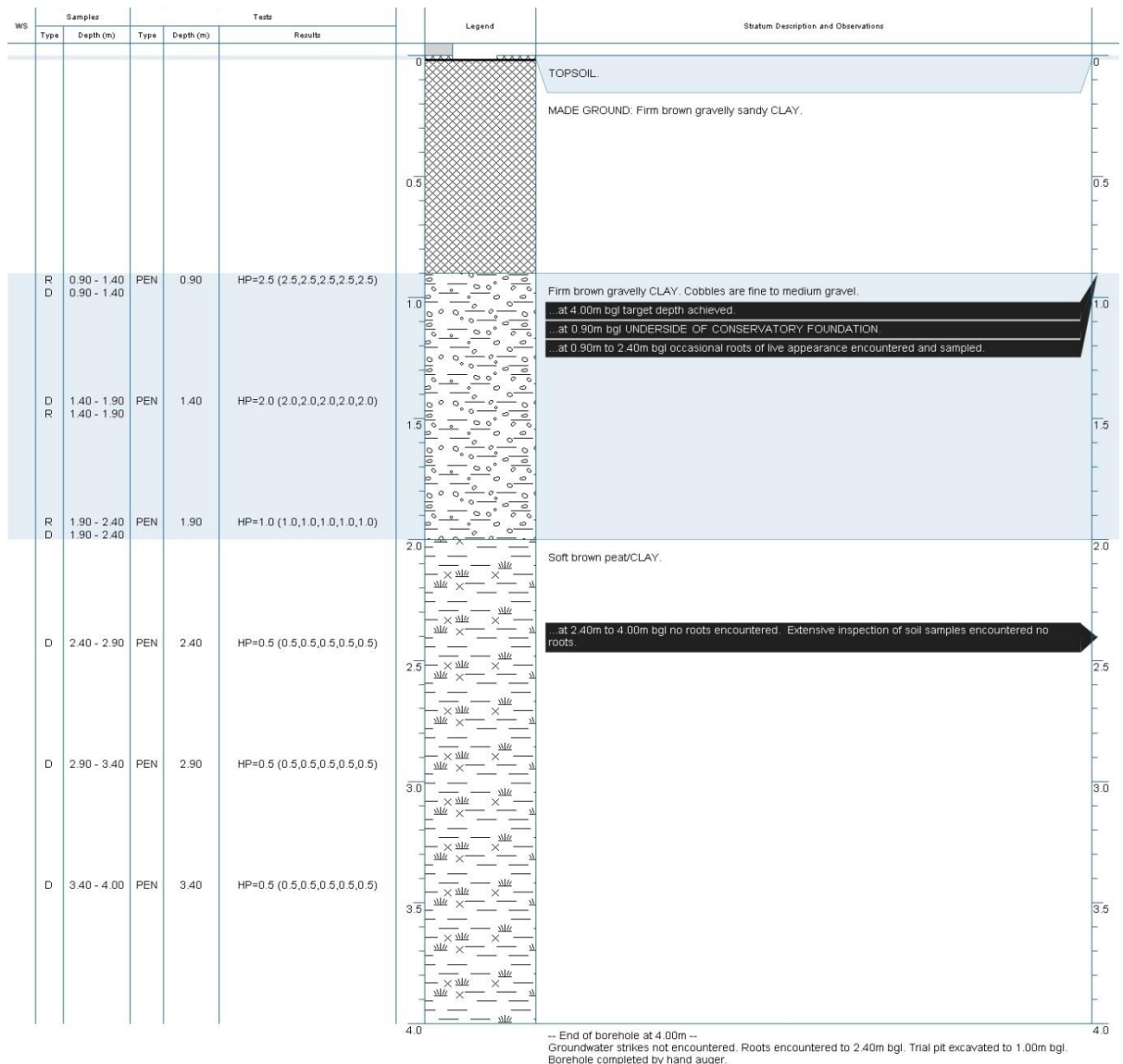
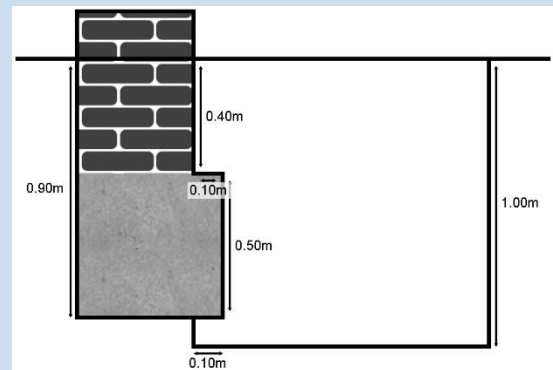
House foundation comprised of brick wall to 900mm bgl, bearing on stepped brickwork to 1200mm bgl with a total projection of 200mm from the elevation. Underside of foundation (USF) was exposed to 100mm back from the face of the foundation and probed 300mm back from the face of the foundation.



TP/BH2 Foundation Detail and Borehole Log

Foundation Detail

Conservatory foundation comprised of brick wall to 400mm bgl, bearing on concrete to 900mm bgl, with a total projection of 100mm 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 (TP/BH 1) undertaken on 9 January 2020 during dry weather (i.e. no rain).

Site Investigation works (TP/BH 2) undertaken on 9 January 2020 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:

At 1.20m bgl UNDERSIDE OF HOUSE FOUNDATION in TP/BH1.

BOREHOLE:

At 2.00m bgl unable to retrieve further sample due to water level in the borehole preventing sample recovery in TP/BH1.

ROOTS:

At 1.20m to 1.50m bgl occasional roots of live appearance encountered and sampled in TP/BH1.

At 1.50m to 2.00m bgl no roots encountered. Extensive inspection of soil samples encountered no roots in TP/BH1.

IN SITU TESTING:

Hand Penetrometer (PEN) undertaken at 1.20m bgl (TP/BH 1) within the hand excavated trial pit and thereafter in the hand auger borehole at maximum 0.50m intervals.

Hand Penetrometer (PEN) undertaken at 0.90m bgl (TP/BH 2) within the hand excavated trial pit and thereafter in the hand auger borehole at maximum 0.50m intervals.

WATER STRIKES:

A water strike (WS) was encountered in the other peat/clay at 1.90m bgl (TP/BH 1), with a standing water level (SWL) recorded at 1.90m bgl after 10 minutes (TP/BH 1). Standing water level within the exploratory hole at 1.90m bgl (TP/BH 1) on completion.

No water strike/s (NWS) encountered (TP/BH 2).