

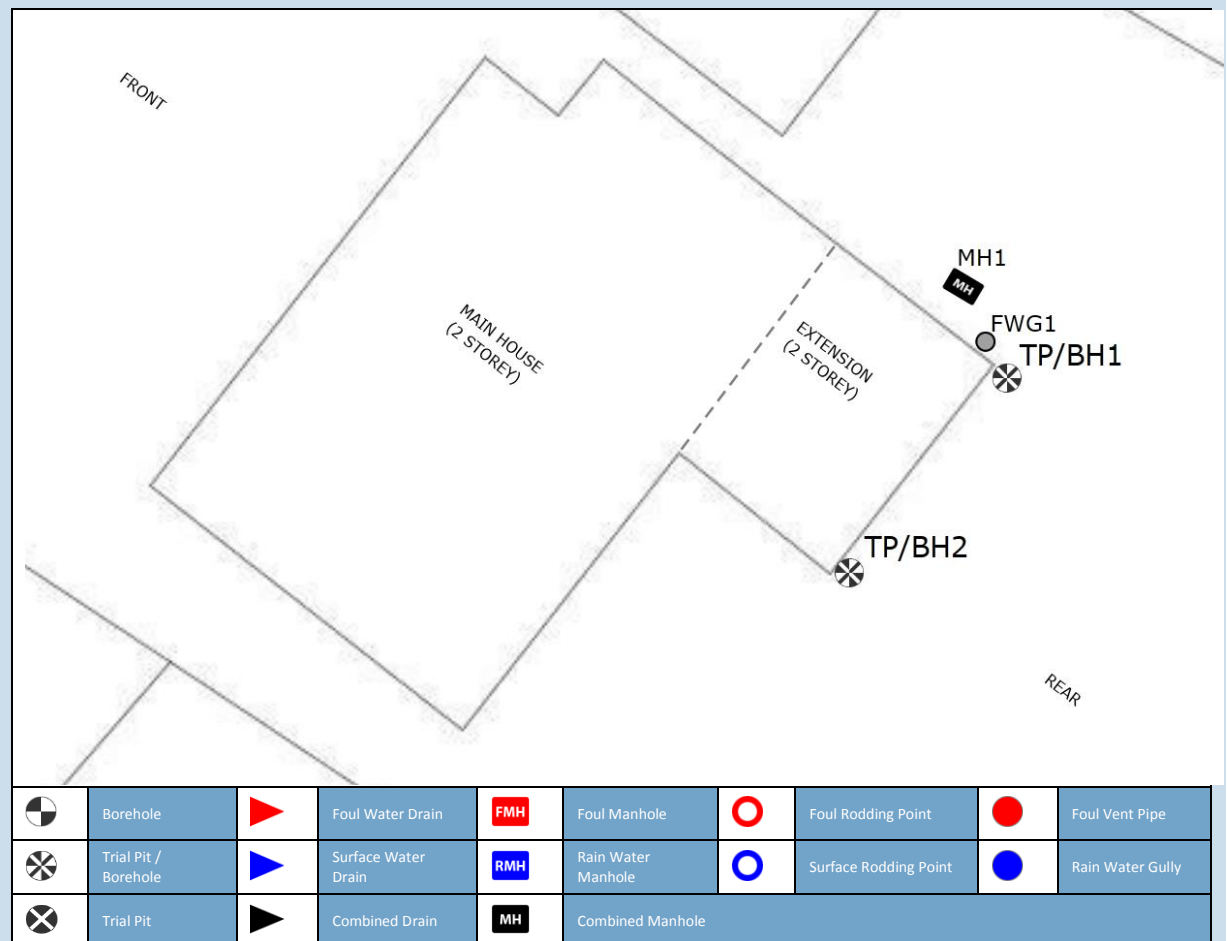
GEOTECHNICAL

for Subsidence Management Services

29 Nicholas Way, North Wood, Middlesex, HA6 2TR

Client: Subsidence Management Services
Client Contact: Ian Davies
Client Ref: IFS-AVI-SUB-18-0076236
Policy Holder: Mr Adrian Paterson
Report Date: 6 November 2018
Our Ref: C40933G18824

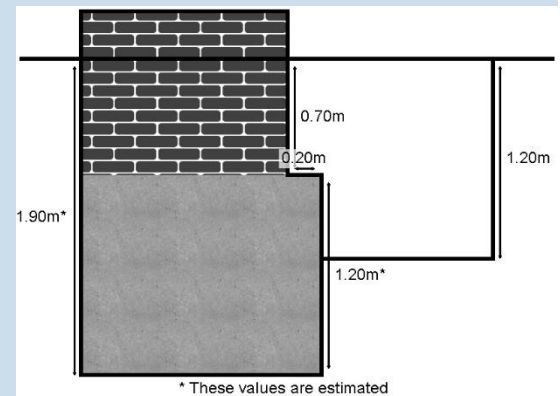
Site Plan



TP/BH1 Foundation Detail and Borehole Log

Foundation Detail

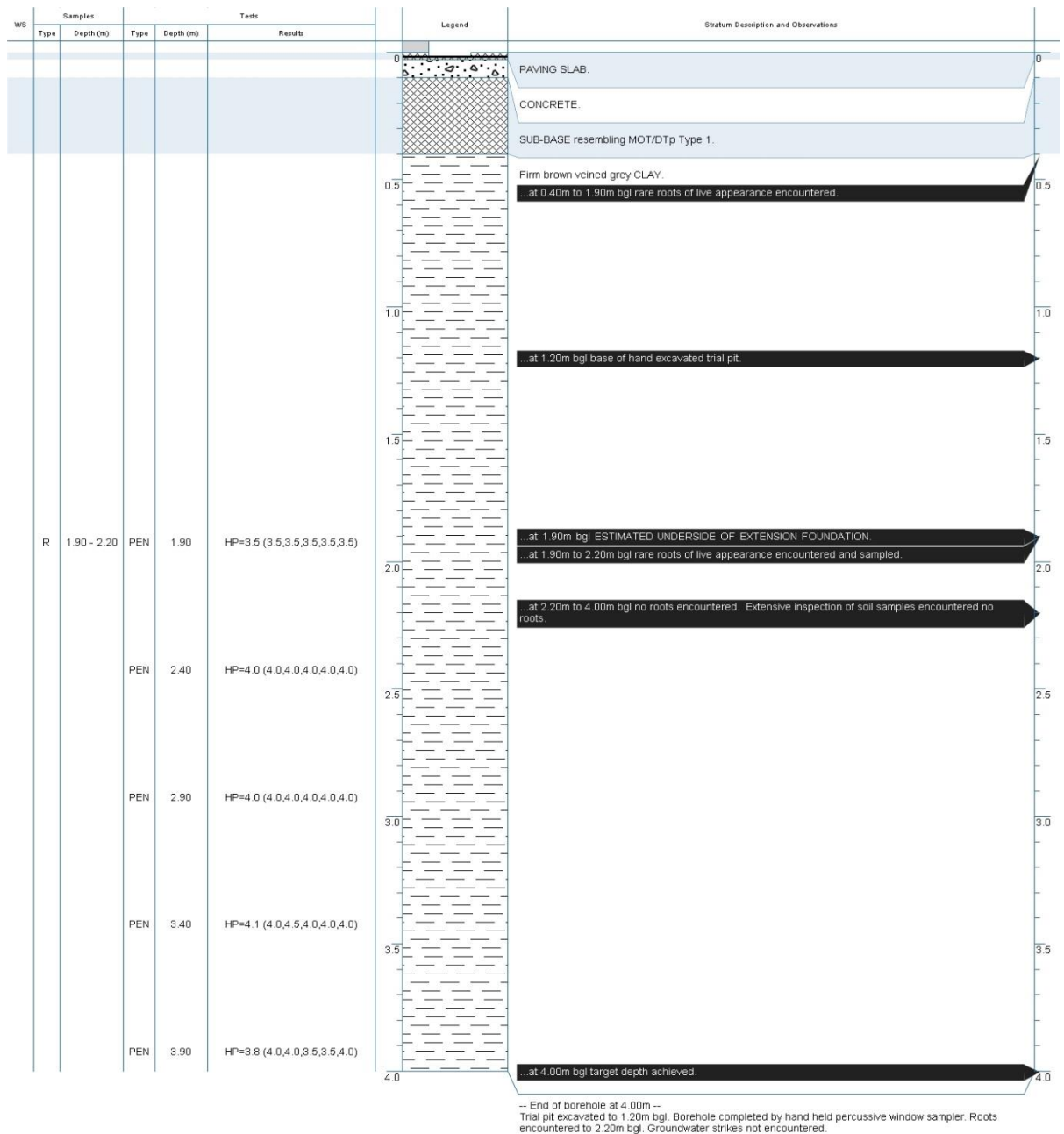
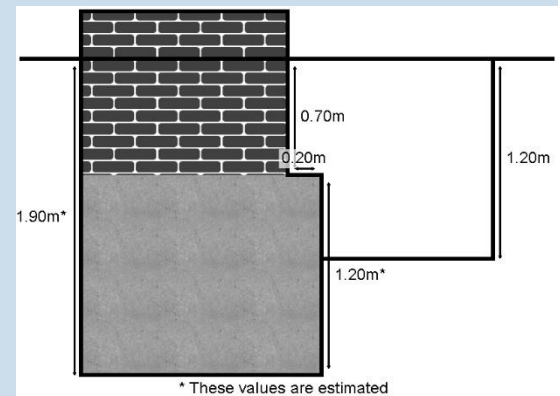
Extension foundation comprised of brick wall to 700mm bgl, bearing on concrete to an estimated depth of 1900mm bgl, with a total projection of 200mm from the elevation. Underside of foundation (USF) was estimated by pushing a probe, approximately 100mm back from the face of the foundation, at an angle with no apparent contact with the face of the foundation beyond the estimated depth.



TP/BH2 Foundation Detail and Borehole Log

Foundation Detail

Extension foundation comprised of brick wall to 700mm bgl, bearing on concrete to an estimated depth of 1900mm bgl, with a total projection of 200mm from the elevation. Underside of foundation (USF) was estimated by pushing a probe, approximately 100mm back from the face of the foundation, at an angle with no apparent contact with the face of the foundation beyond the estimated depth.



Site Observations

GENERAL:

Site Investigation works undertaken on 25 October 2018 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:

Excavation did not expose the underside of the Extension foundation. The underside of foundation (USF) was estimated to be 1.90m bgl in TP/BH 1 and TP/BH 2.

ROOTS:

Roots encountered to 2.50m and 2.20m bgl in TP/BH 1 and TP/BH 2.

IN SITU TESTING:

Hand Penetrometer (PEN) undertaken at 1.90m 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.

ROOT IDENTIFICATION

for Subsidence Management Services

29 Nicholas Way, North Wood, Middlesex, HA6 2TR

Client: Subsidence Management Services
Client Contact: Ian Davies
Claim Number: 18N602915
Client Reference: IFS-AVI-SUB-18-0076236
Policy Holder: Mr Adrian Paterson
Report Date: 29 October 2018
Our Ref: R23344



Intec
Parc Menai, Bangor,
Gwynedd, North Wales
LL57 4FG
Tel: 01248 672652

Sub Sample	Species Identified		Root Diameter	Starch
TP/BH1:				
1.9-2.5m	<i>Quercus</i> spp.	1	1 mm	Moderate
TP/BH2:				
1.9-2.2m	<i>Betula</i> spp.	2	<1 mm	Absent
1.9-2.2m	broadleaved species, too decayed for positive identification	3	<1 mm	Absent

Comments:

- 1 - Plus 4 others also identified as *Quercus* spp.
- 2 - In a state of decay.
- 3 - Plus 1 other the same. Also small and rather juvenile.

Quercus spp. are oaks (both deciduous and evergreen).
Betula spp. are birches.

Signed: R J Shaw

Unless we are otherwise instructed in writing, the above sample material will normally be disposed of 6 years after the date of this report.