

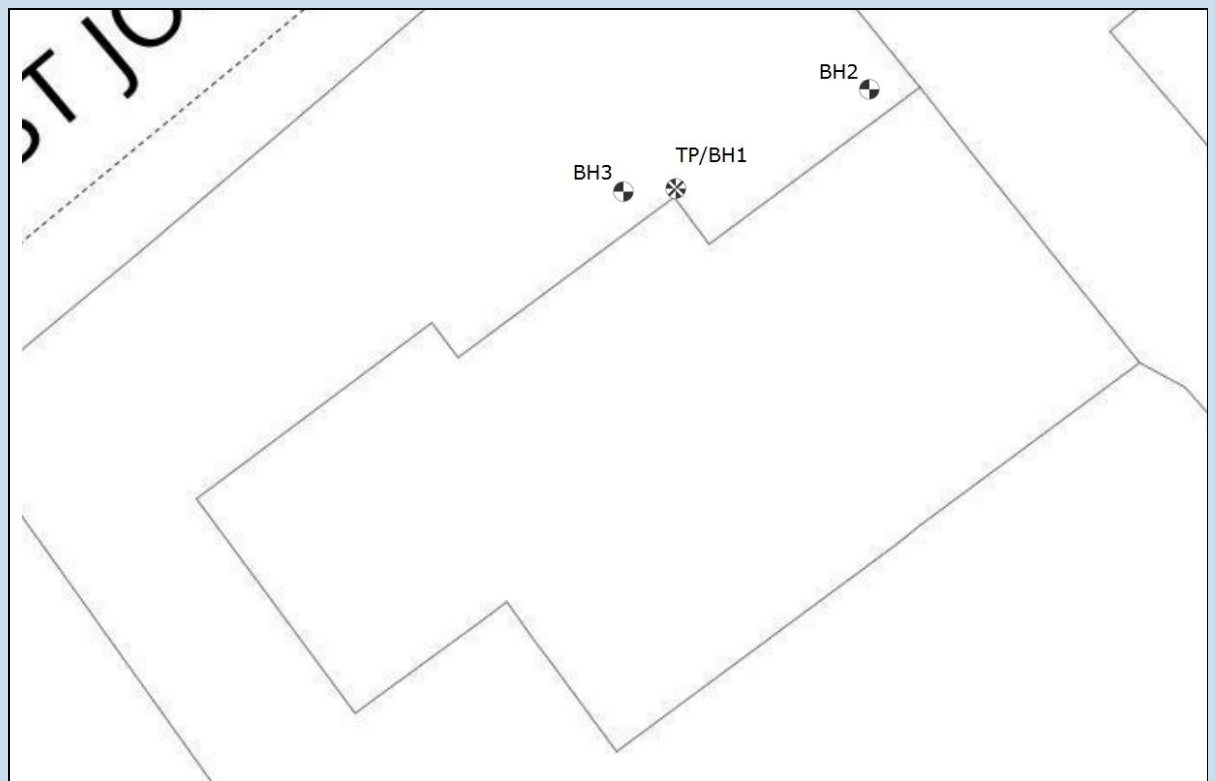
GEOTECHNICAL

for Subsidence Management Services

Oakfield, Saint John's Avenue, Thorer, West Yorkshire, LS14 3BZ

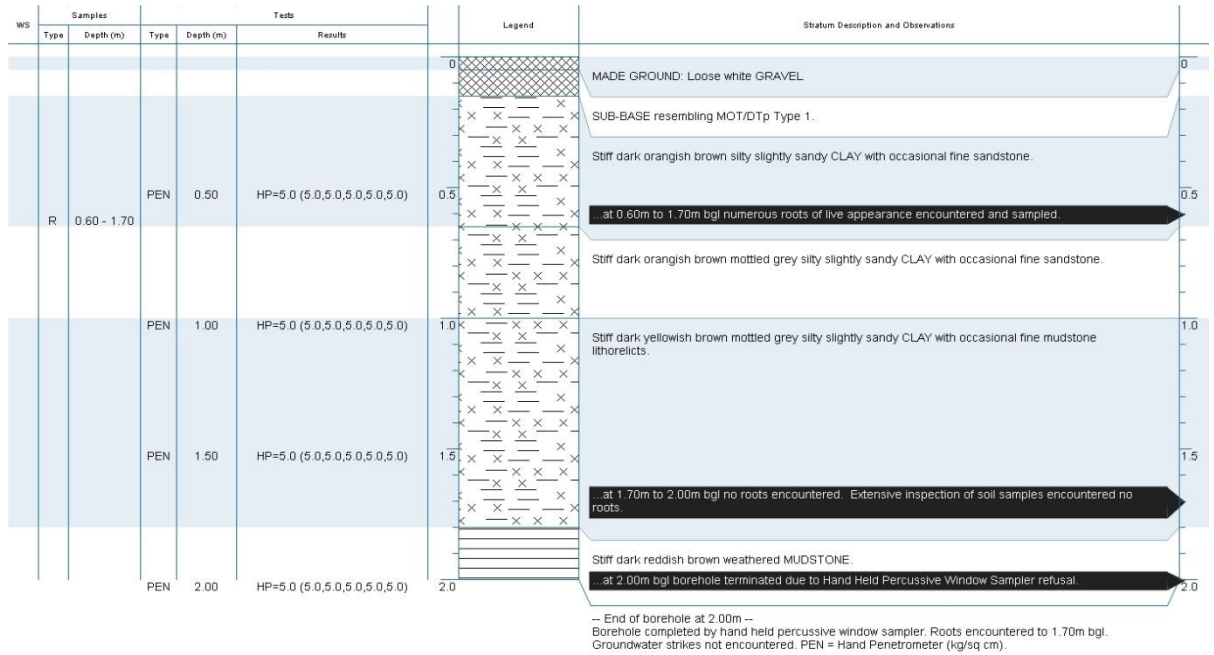
Client: Subsidence Management Services
Client Contact: Michael Yuill
Client Ref: IFS-ESU-SUB-18-0078349
Policy Holder: Mr Mark Christie
Report Date: 25 June 2020
Our Ref: C47078G24498

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				

BH2 Borehole Log



BH3 Borehole Log



-- End of borehole at 2.00m --
 Borehole completed by hand held percussive window sampler. Roots encountered to 1.50m bgl.
 Groundwater strikes not encountered. PEN = Hand Penetrometer (kg/sq cm).

Site Observations

GENERAL:

Site Investigation works (BH 2 and BH 3) undertaken on 26 May 2020 during dry weather (i.e. no rain).

HEALTH AND SAFETY:

Negative signal obtained in Power and Genny mode on the Cable Avoidance Tool (CAT) (BH2).

Negative signal obtained in Power, Radio and Genny mode on the Cable Avoidance Tool (CAT) (BH3).

BOREHOLE:

Hand Held Percussive Window Sampler refusal at 2.00m bgl due to stiffness within the rock (BH 2).
Borehole terminated. No further works undertaken.

Hand Held Percussive Window Sampler refusal at 2.00m bgl due to stiffness within the rock (BH 3).
Borehole terminated. No further works undertaken.

ROOTS:

At 0.60m to 1.70m bgl numerous roots of live appearance encountered and sampled in BH2.

At 1.70m to 2.00m bgl no roots encountered. Extensive inspection of soil samples encountered no roots in BH2.

At 0.60m to 1.50m bgl numerous roots of live appearance encountered and sampled in BH3.

At 1.50m to 2.00m bgl no roots encountered. Extensive inspection of soil samples encountered no roots in BH3.

IN SITU TESTING:

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

Hand Penetrometer (PEN) undertaken at 0.50m bgl (BH 3) within the window sampler and thereafter in the window sampler at maximum 0.50m intervals.

WATER STRIKES:

No water strikes (NWS) encountered (BH 2).

No water strikes (NWS) encountered (BH 3).

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.

ROOT IDENTIFICATION

for Subsidence Management Services

Oakfield, Saint John's Avenue, Thorne, West Yorkshire, LS14 3BZ

Client: Subsidence Management Services
Client Contact: Michael Yuill
Claim Number: 4004419529
Client Reference: IFS-ESU-SUB-18-0078349
Policy Holder: Mr Mark Christie
Report Date: 29 May 2020
Our Ref: R36438



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

Sub Sample	Species Identified		Root Diameter	Starch
BH2:				
0.6-1.7m	<i>Fagus</i> spp.	1	3 mm	Abundant
0.6-1.7m	<i>Hedera</i> or <i>Fatsia</i> spp.	2	2 mm	Abundant
BH3:				
0.6-1.5m	<i>Fagus</i> spp.	3	3 mm	Abundant

Comments:

- 1 - Plus 2 others also identified as *Fagus* spp.
- 2 - Plus 1 other the same.
- 3 - Plus 4 others also identified as *Fagus* spp.

Fagus spp. include common beech and copper beech.
Hedera spp. include ivy; *Fatsia* spp. are shrubs closely related to ivy.

Signed: M D Mitchell

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