

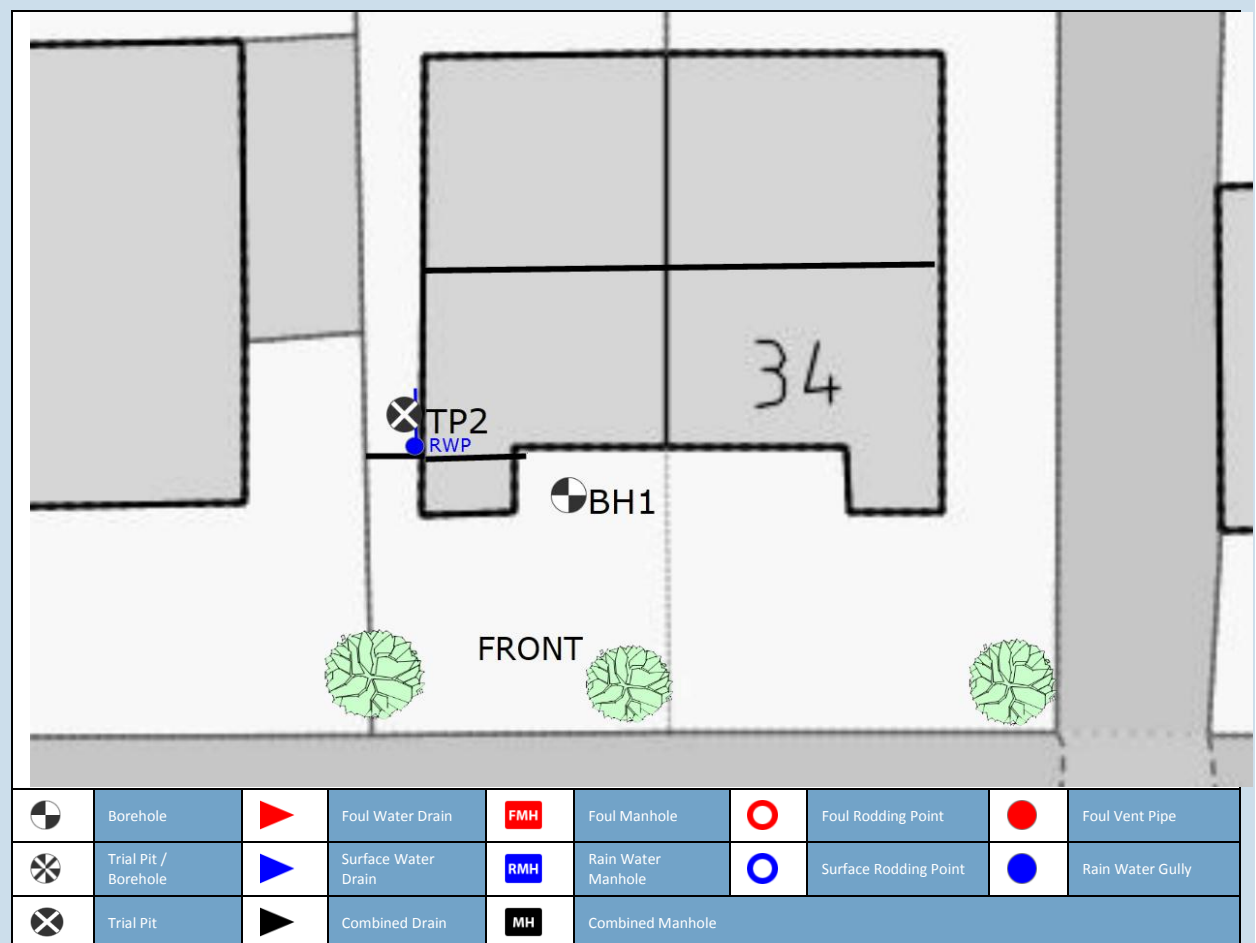
GEOTECHNICAL

for Infront Innovation

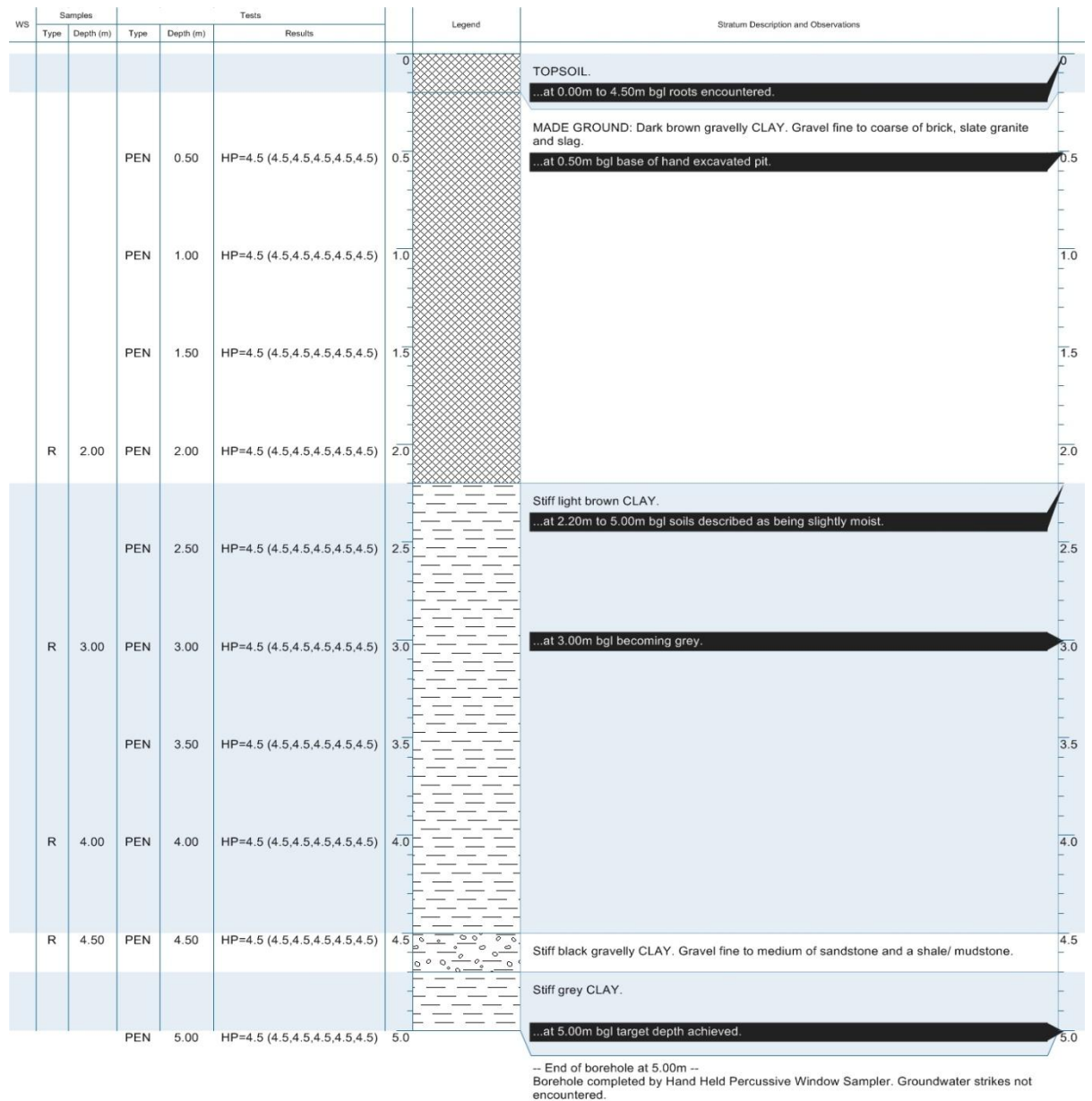
32 Spencer Street, Barnsley, South Yorkshire, S70 1QX

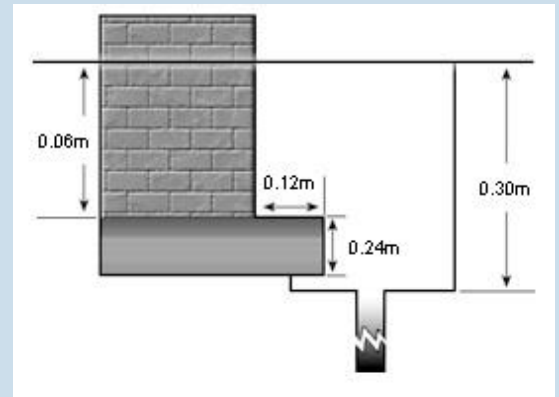
Client: Infront Innovation
Client Contact: Emily Crane
Client Ref: IFS-COV-SUB-11-0033124
Policy Holder: Mr L Hadfield
Report Date: 01 July 2013
Our Ref: C7991G3519

Site Plan



BH1 Borehole Log





WS	Samples		Tests		Legend	Stratum Description and Observations
	Type	Depth (m)	Type	Depth (m)		
R		0.50				MADE GROUND: Firm brown gravelly CLAY. Gravel fine to medium of brick and sandstone. ...at 0.15m bgl orange plastic pipe (100mm dia) encountered parallel to wall (0.14m from wall). Suspected surface/ rainwater pipe. ...at 0.30m bgl UNDERSIDE OF FOUNDATION. ...at 0.50m bgl pit terminated at underside of foundation level as requested by the non attending Engineer. ...at 0.50m bgl base of hand excavated trial pit. -- End of borehole at 0.50m -- Foundation comprised continuation of brick wall to 60mm bgl, bearing on concrete to 300mm bgl, projecting 120mm from the brick wall. Underside of foundation exposed to 200mm back from the face of the concrete. Trial Pit completed by Hand Excavation. Groundwater strikes not encountered.

Site Observations

GENERAL:

Site Investigation works undertaken during dry weather conditions (i.e. no rain).

HEALTH, SAFETY AND ENVIRONMENTAL:

No positive signals detected in Power and Radio mode at BH1 and TP2 location.

Orange - plastic pipe (100mm dia) parallel to wall (0.14m from wall) at 0.15mbgl encountered in TP2 (suspected surface water drain).

SOILS:

Soil sampling not requested in BH1 and TP2.

ROOTS:

Roots encountered in BH1 and TP2.

IN-SITU TESTING INFO:

Hand Penetrometer (HP) tests undertaken in BH1 within the window sampler.

GROUNDWATER:

Ground water strikes not encountered in BH1 and TP2.

The groundwater observation does 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 Infront Innovation

32 Spencer Street, Barnsley, South Yorkshire, S70 1QX

Client: Infront Innovation
Client Contact: Emily Crane
Claim Number: 2012106921
Client Reference: IFS-COV-SUB-11-0033124
Policy Holder: Mr L Hadfield
Report Date: 25 June 2013
Our Ref: R2624



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

Sub Sample	Species Identified		Root Diameter	Starch
BH1:				
1-2m	<i>Acer</i> spp.	1	2 mm	Abundant
2-3m	<i>Acer</i> spp.	2	1.5 mm	Moderate
3-4m	broadleaved species, too juvenile for positive identification	3	<1 mm	Absent
4-4.5m	<i>Acer</i> spp.	4	1.5 mm	Moderate
TP2:				
0.3-0.5m	<i>Betula</i> spp.	5	2 mm	Low
0.3-0.5m	<i>Acer</i> spp.		1 mm	Moderate

Comments:

- 1 - Plus 2 others also identified as *Acer* spp.
- 2 - Plus 2 others also identified as *Acer* spp.
- 3 - Plus 2 others the same. Also in a state of decay. Possibly *Acer* spp.
- 4 - Plus 2 other juvenile roots, possibly the same.
- 5 - Plus 2 others also identified as *Betula* spp.

Acer spp. are maples, including sycamore, Norway maple, and Japanese maples.

Betula spp. are birches.

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.