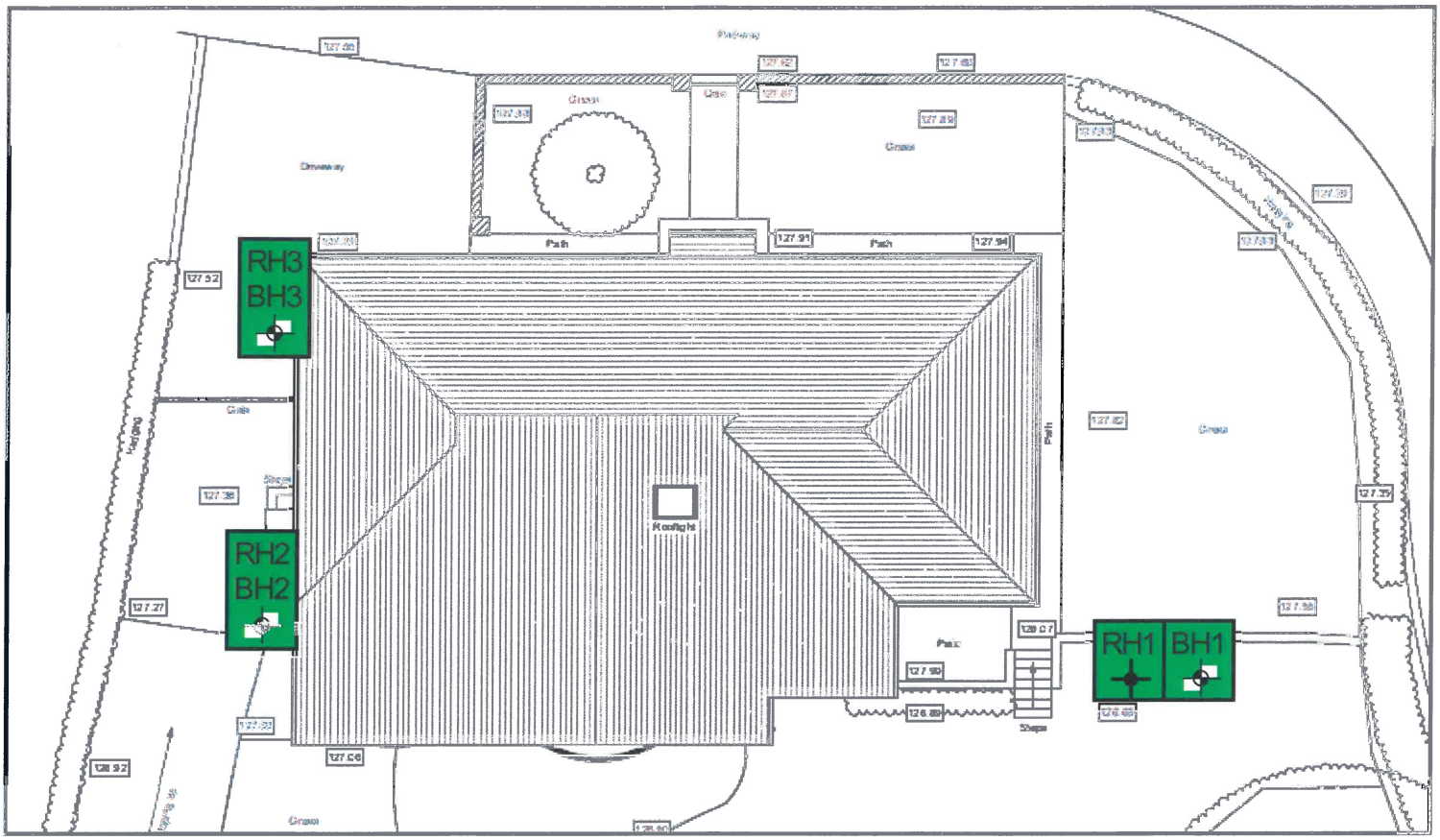
GEOINVESTIGATE Ltd.

OUR REF: G18243	YOUR REF:	SITE PLAN (NOT TO SCALE)
DATE: 25/07/18	LOCATION: 1 Pennine View, Darton, Barnsley S75 5AT	



GEOINVESTIGATE Ltd.

Your Ref. **Our Ref.** G18243 **RH No.1** **Sheet No. 1 of 2**
Location: 1 Pennine View, Darton, Barnsley S75 5AT **DATE:** 25/07/18

Depth (m)	Description of Strata	Thick -ness	Legend	Gas Well	Sample	Test Type Result	Flush	Depth to Water	Depth (m)
1.10	Dark brown DRIFT	1100							
4.20	Light brown SANDSTONE	3100							2.50
9.60	Light grey MUDSTONE with occasional SANDSTONE inclusions	5400					Flush lost at 6.10m		5.00 7.50
16.4	MUDSTONE	6800							10.00 12.50 15.00
24.1	MUDSTONE with SANDSTONE inclusions	7700							17.50 20.00 22.50
	SANDSTONE with MUDSTONE inclusions	10900							25.00

Remarks: Casing to 1.00m
Microdrill rotary open hole borehole to 35m
No cores recovered from borehole
No gas detected from borehole on completion
Flush lost at 6.10m. No voids encountered.

Key:
- Slotted Pipe
- Plain Pipe
- Bentonite
- Gravel Filter

O Disturbed sample
Cv Shear vane
W Water sample
S Standard Penetration Test
C Cone Penetration Test

RH1

GEOINVESTIGATE Ltd.

Your Ref. **Our Ref.** G18243 **RH No.1** **Sheet No. 2 of 2**
Location: 1 Pennine View, Darton, Barnsley S75 5AT **DATE:** 25/07/18

Depth (m)	Description of Strata	Thick -ness	Legend	Gas Well	Sample	Test Type Result	Flush	Depth to Water	Depth (m)
	SANDSTONE with MUDSONTE inclusions	10900							27.50 30.00 32.50
35.0									35.00
	Rotary borehole terminated at 35.00m								

Remarks: Casing to 1.00m
Microdrill rotary open hole borehole to 35m
No cores recovered from borehole
No gas detected from borehole on completion
Flush lost at 6.10m. No voids encountered.

Key:
- Slotted Pipe
- Plain Pipe
- Bentonite
- Gravel Filter

O Disturbed sample
Cv Shear vane
W Water sample
S Standard Penetration Test
C Cone Penetration Test

RH1

GEOINVESTIGATE Ltd.

Your Ref. **Our Ref.** G18243 **RH No.2** **Sheet No. 1 of 2**
Location: 1 Pennine View, Darton, Barnsley S75 5AT **DATE:** 02/08/18

Depth (m)	Description of Strata	Thick -ness	Legend	Gas Well	Sample	Test Type Result	Flush	Depth to Water	Depth (m)
2.50	Brown DRIFT	2500					Lost flush at 2.00m		2.50
4.20	SANDSTONE	1700							
12.9	MUDSTONE with occasional SANDSTONE inclusions	8700							5.00 7.50 10.00 12.50
20.0	SANDSTONE with occasional MUDSTONE inclusions	7100							15.00 17.50 20.00
	Rotary hole terminated at 20.00m								

Remarks: Casing to 1.00m
Microdrill rotary open hole borehole to 20m
No cores recovered from borehole
No gas detected from borehole on completion
Flush lost at 2.10m. No voids encountered.

Key:
Slotted Pipe
Plain Pipe
Bentonite
Gravel Filter

O Disturbed sample
Cv Shear vane
W Water sample
S Standard Penetration Test
C Cone Penetration Test

RH2

GEOINVESTIGATE Ltd.

Your Ref. **Our Ref.** G18243 **RH No.3** **Sheet No. 1 of 2**
Location: 1 Pennine View, Darton, Barnsley S75 5AT **DATE:** 02/08/18

Depth (m)	Description of Strata	Thick -ness	Legend	Gas Well	Sample	Test Type Result	Flush	Depth to Water	Depth (m)
2.90	Brown DRIFT	2900							2.50
4.20	Light brown SANDSTONE	1300							
4.50	Black COAL. Intact	300							
12.2	Light brown MUDSTONE with occasional SANDSTONE inclusions	7700							5.00 7.50 10.00 12.50
	Light greyish brown SANDSTONE with occasional MUDSTONE inclusions	14500					Flush lost at 18.10m		15.00 17.50 20.00 22.50
	Rotary hole continued on page 2								25.00

Remarks: Casing to 2.00m
Microdrill rotary open hole borehole to 35m
No cores recovered from borehole
No gas detected from borehole on completion
Flush lost at 18.10m. No voids encountered.

Key:
Slotted Pipe
Plain Pipe
Bentonite
Gravel Filter

O Disturbed sample
Cv Shear vane
W Water sample
S Standard Penetration Test
C Cone Penetration Test

RH3

GEOINVESTIGATE Ltd.

Your Ref. **Our Ref.** G18243 **RH No.3** **Sheet No. 2 of 2**
Location: 1 Pennine View, Darton, Barnsley S75 5AT **DATE:** 02/08/18

Depth (m)	Description of Strata	Thick -ness	Legend	Gas Well	Sample	Test Type Result	Flush	Depth to Water	Depth (m)
26.7	Light greyish brown SANDSTONE with occasional MUDSTONE inclusions	14500							
	SANDSTONE	8300							27.50 30.00 32.50
35.0	Rotary hole terminated at 35.00m								35.00

Remarks: Casing to 2.00m
Microdrill rotary open hole borehole to 35m
No cores recovered from borehole
No gas detected from borehole on completion
Flush lost at 18.10m. No voids encountered.

Key:
Slotted Pipe
Plain Pipe
Bentonite
Gravel Filter

O Disturbed sample
Cv Shear vane
W Water sample
S Standard Penetration Test
C Cone Penetration Test

RH3

GEOINVESTIGATE Ltd.

Your Ref. **Our Ref.** G18243 **BH No.1** **Sheet No. 1 of 1**
Location: 1 Pennine View, Darton, Barnsley S75 5AT **DATE:** 25/07/18

Depth (m)	Description of Strata	Thick -ness	Legend	Gas Well	Sample	Test Type Result	SPT N Value (Depth)	Depth to Water	Depth (m)
	TURF / MADE GROUND Loose dark sandy gravel / gravelly sand. Gravel is fine to coarse of sandstone. Cobbles noted. Roots.	600			O	Cv kN/m^2			0.25 0.50
0.60									
	Moderately strong to strong greyish brown and orange SANDSTONE.	600			O C		1.00 - 1.45 20/25/20/18/25/22 N=85		0.75 1.00
1.20									1.20
	Borehole terminated at 1.20m due to refusal								

Remarks:
Casing to 1.00m
Dynamic windowless sampling by Terrier Rig to 1.20m
Borehole remained dry on completion

Key:
Slotted Pipe
Plain Pipe
Bentonite
Gravel Filter

O Disturbed sample
Cv Shear vane
W Water sample
S Standard Penetration Test
C Cone Penetration Test

BH1

GEOINVESTIGATE Ltd.

Your Ref. **Our Ref.** G18243 **BH No.2** **Sheet No. 1 of 1**
Location: 1 Pennine View, Darton, Barnsley S75 5AT **DATE**: 25/07/18

Depth (m)	Description of Strata	Thick -ness	Legend	Gas Well	Sample	Test Type Result	SPT N Value (Depth)	Depth to Water	Depth (m)
0.20	MADE GROUND Compact dark brown sandy gravel. Gravel is fine to coarse of sandstone, tile and brick.	200				Cv kN/m^2			0.25
0.60	MADE GROUND Loose dark orangish brown sandy gravel. Gravel is fine to coarse of sandstone, brick and concrete.	400			O				0.50
0.95	Firm to stiff orangish brown mottled brown and grey slightly sandy CLAY with occasional fine to coarse gravel of sandstone.	350			O C		1.00 - 1.45 2/2/3/3/7/9 N=22		0.75 1.00
1.70	Moderately strong orangish brown and brown weathered silty SANDSTONE.	750			O				1.25 1.50
2.30	Black poor quality COAL.	600			O C		2.00 - 2.45 3/3/3/3/3/3 N=12		1.75 2.00 2.25
2.45	Moderately strong grey and brown clayey MUDSTONE / clayey SILTSTONE.	150			O		2.70 - 2.85 38/59 N=97 /150mm		2.50
2.70	Strong orangish brown and brown silty SANDSTONE.	250			O C				2.70
	Borehole terminated at 2.70m due to refusal								

Remarks:
Casing to 1.00m
Dynamic windowless sampling by Terrier Rig to 2.70m
Borehole remained dry on completion

Key:
Slotted Pipe
Plain Pipe
Bentonite
Gravel Filter

O Disturbed sample
Cv Shear vane
W Water sample
S Standard Penetration Test
C Cone Penetration Test

BH2

GEOINVESTIGATE Ltd.

Your Ref. **Our Ref.** G18243 **BH No.3** **Sheet No. 1 of 1**
Location: 1 Pennine View, Darton, Barnsley S75 5AT **DATE:** 25/07/18

Depth (m)	Description of Strata	Thick -ness	Legend	Gas Well	Sample	Test Type Result	SPT N Value (Depth)	Depth to Water	Depth (m)
0.25	BLOCK PAVING underlain by sand and gravel.	250				Cv kN/m^2			0.25
0.50	MADE GROUND Loose to medium dense dark orangish brown sandy gravel. Gravel is fine to coarse of sandstone and concrete	250			O				0.50
0.95	Dense orangish brown and brown sandy GRAVEL. Gravel is fine to coarse of sandstone. Possible completely weathered sandstone rock.	450			O C		1.00 - 1.45 2/3/5/8/9/12 N=34		0.75 1.00
2.00	Strong orangish brown and grey silty weathered SANDSTONE. Some clay within jointing.	1050			O O C		2.00 - 2.45 5/5/11/23/37/52 N=133		1.25 1.50 1.75 2.00
	Borehole terminated at 2.00m due to refusal								

Remarks:
Casing to 1.00m
Dynamic windowless sampling by Terrier Rig to 2.00m
Borehole remained dry on completion

Key:
Slotted Pipe
Plain Pipe
Bentonite
Gravel Filter

O Disturbed sample
Cv Shear vane
W Water sample
S Standard Penetration Test
C Cone Penetration Test

BH3