BOREHOLE RECORD

BH No. **RO8**
Sheet 1 of 1

Site: Carrs Lane, Cudworth, Barnsley

Contract No: C6138A

Client: Barratt & David Wilson Homes

Dates: 27/04/2015

Method: 12 tonne tracked rotary drilling rig

Scale 1:150

Logged By: GB | Checked By: MB

Driller: SDS

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD				
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							MADE GROUND / TOPSOIL.	0.50	55.97		
							Brown weathered SANDSTONE.				
							Brown SANDSTONE.	6.00	50.47		
							Brown weathered SANDSTONE.	8.20	48.27		
							Brown SANDSTONE.	9.50	46.97		
							Brown weathered SANDSTONE.	12.50	43.97		
							Brown SANDSTONE.	15.00	41.47		
							Solid (No flush, no returns)	16.50	39.97		
							BROKEN GROUND / VOID (No flush, no returns).	22.50	33.97		
							Solid (No flush, no returns)	23.70	32.77		
							End of Borehole at 30.00 m				

Remarks and Water Observations

1. Water flush techniques used.
2. Hole backfilled with arisings and a bentonite seal.

GL (m AOD) 56.47
Easting: 438433.58
Northing: 408244.41

Fig. No. RO8

BOREHOLE RECORD

BH No. **RO9**
Sheet 1 of 1

Site: Carrs Lane, Cudworth, Barnsley

Contract No: C6138A

Client: Barratt & David Wilson Homes

Dates: 23/04/2015

Method: 12 tonne tracked rotary drilling rig

Scale 1:150

Logged By: GB | Checked By: MB

Driller: SDS

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD Description	Depth (m)	Level (mAOD)	Legend	Well
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)						
							MADE GROUND / TOPSOIL.	0.50	52.85		
							Brown weathered SANDSTONE.				
							Brown SANDSTONE.	9.80	43.55		
							BROKEN GROUND / VOID (No flush, no returns).	10.60	42.75		
							Brown SANDSTONE.	12.50	40.85		
							Grey MUDSTONE.	15.60	37.75		
							Interbedded MUDSTONE and SANDSTONE bands.	17.80	35.55		
							End of Borehole at 30.00 m				

Remarks and Water Observations

1. Water flush techniques used.
2. Hole backfilled with arisings and a bentonite seal.

GL (m AOD) 53.35
Easting: 438409.32
Northing: 408210.92

Fig. No. RO9

BOREHOLE RECORD

BH No. **RO9A**
Sheet 1 of 1

Site: Carrs Lane, Cudworth, Barnsley

Contract No: C6138A

Client: Barratt & David Wilson Homes

Dates: 24/04/2015

Method: 12 tonne tracked rotary drilling rig

Scale 1:150

Logged By: GB | Checked By: MB

Driller: SDS

SAMPLE DETAILS

Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)

STRATA RECORD

Groundwater (Casing)	Description	Depth (m)	Level (mAOD)	Legend	Well
	MADE GROUND / TOPSOIL.	0.50	53.10		
	Brown weathered SANDSTONE.				
	Brown SANDSTONE.	9.50	44.10		
	BROKEN GROUND / VOID (No flush, no returns).	12.00	41.60		
	Solid (No flush, no returns)	14.40	39.20		
	End of Borehole at 17.00 m	17.00	36.60		

Remarks and Water Observations

1. Water flush techniques used.
2. Hole backfilled with arisings and a bentonite seal.

GL (m AOD) 53.60
Easting: 438411.43
Northing: 408213.00

Fig. No. RO9A

BOREHOLE RECORD

BH No. **RO9B**
Sheet 1 of 1

Site: Carrs Lane, Cudworth, Barnsley

Contract No: C6138A

Client: Barratt & David Wilson Homes

Dates: 24/04/2015

Method: 12 tonne tracked rotary drilling rig

Scale 1:150

Logged By: GB | Checked By: MB

Driller: SDS

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD				
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							MADE GROUND / TOPSOIL.	0.50	52.46		
							Brown weathered SANDSTONE.				
							Brown SANDSTONE.	9.60	43.36		
							BROKEN GROUND / VOID (No flush, no returns).	11.00	41.96		
							Solid (No flush, no returns)	13.00	39.96		
							End of Borehole at 15.00 m	15.00	37.96		

Remarks and Water Observations

1. Water flush techniques used.
2. Hole backfilled with arisings and a bentonite seal.

GL (m AOD) 52.96
Easting: 438412.62
Northing: 408206.93

Fig. No. RO9B

BOREHOLE RECORD

BH No. **RO9C**
Sheet 1 of 1

Site: Carrs Lane, Cudworth, Barnsley

Contract No: C6138A

Client: Barratt & David Wilson Homes

Dates: 24/04/2015

Method: 12 tonne tracked rotary drilling rig

Scale 1:150

Logged By: GB | Checked By: MB

Driller: SDS

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD				
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							MADE GROUND / TOPSOIL.	0.50	52.06		
							Brown weathered SANDSTONE.				
							Brown SANDSTONE.	9.30	43.26		
							BROKEN GROUND / VOID (No flush, no returns).	12.00	40.56		
							Solid (No flush, no returns)	13.50	39.06		
							End of Borehole at 17.00 m	17.00	35.56		

Remarks and Water Observations

1. Water flush techniques used.
2. Hole backfilled with arisings and a bentonite seal.

GL (m AOD) 52.56
Easting: 438404.08
Northing: 408206.46

Fig. No. RO9C

BOREHOLE RECORD

BH No. **RO9D**
Sheet 1 of 1

Site: Carrs Lane, Cudworth, Barnsley

Contract No: C6138A

Client: Barratt & David Wilson Homes

Dates: 24/04/2015

Method: 12 tonne tracked rotary drilling rig

Scale 1:150

Logged By: GB | Checked By: MB

Driller: SDS

SAMPLE DETAILS

Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)
MADE GROUND / TOPSOIL.	0.50	53.50
Brown weathered SANDSTONE.		
Brown SANDSTONE.	6.20	47.80
BROKEN GROUND / VOID (No flush, no returns).	14.10	39.90
Solid (No flush, no returns)	15.70	38.30
End of Borehole at 18.00 m	18.00	36.00

Legend

Well

Remarks and Water Observations

1. Water flush techniques used.
2. Hole backfilled with arisings and a bentonite seal.

GL (m AOD) 54.00
Easting: 438403.91
Northing: 408219.58

Fig. No. RO9D

BOREHOLE RECORD

BH No. **RO10**
Sheet 1 of 1

Site: Carrs Lane, Cudworth, Barnsley

Contract No: C6138A

Client: Barratt & David Wilson Homes

Dates: 27/04/2015

Method: 12 tonne tracked rotary drilling rig

Scale 1:150

Logged By: GB | Checked By: MB

Driller: SDS

SAMPLE DETAILS

Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)

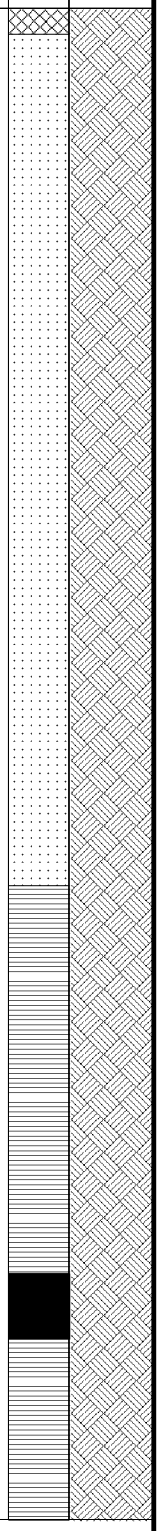
Groundwater (Casing)

STRATA RECORD

Depth (m)	Level (mAOD)	Description
0.50	56.74	MADE GROUND / TOPSOIL.
		Brown SANDSTONE.
17.40	39.84	Grey MUDSTONE.
25.10	32.14	Black COAL.
26.40	30.84	Grey MUDSTONE.

End of Borehole at 30.00 m

Legend / Well



Remarks and Water Observations

1. Water flush techniques used
.2. Hole backfilled with arisings and a bentonite seal.

GL (m AOD) 57.24
Easting: 438454.88
Northing: 408256.86

Fig. No. RO10

BOREHOLE RECORD

BH No. **RO11**
Sheet 1 of 1

Site: Carrs Lane, Cudworth, Barnsley

Contract No: C6138A

Client: Barratt & David Wilson Homes

Dates: 23/04/2015

Method: 12 tonne tracked rotary drilling rig

Scale 1:150

Logged By: GB | Checked By: MB

Driller: SDS

SAMPLE DETAILS

Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)
MADE GROUND / TOPSOIL.	0.50	45.12
Brown weathered SANDSTONE.		
Fractured SANDSTONE (no flush, no returns).	7.30	38.32
Brown SANDSTONE.	9.00	36.62
Grey MUDSTONE.	15.10	30.52
Black COAL.	15.40	30.22
Grey MUDSTONE.	16.20	29.42
Black COAL.	17.60	28.02
Grey MUDSTONE.	18.00	27.62
End of Borehole at 19.00 m	19.00	26.62

Legend

Well

Remarks and Water Observations

1. Groundwater not encountered.
2. Air flush techniques used.3. Hole backfilled with arisings and a bentonite seal.

GL (m AOD) 45.62
Easting: 438509.26
Northing: 408066.77

Fig. No. RO11

BOREHOLE RECORD

BH No. **RO12**
Sheet 1 of 1

Site: Carrs Lane, Cudworth, Barnsley

Contract No: C6138A

Client: Barratt & David Wilson Homes

Dates: 24/04/2015

Method: 12 tonne tracked rotary drilling rig

Scale 1:150

Logged By: GB | Checked By: MB

Driller: SDS

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD				
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							MADE GROUND / TOPSOIL.	0.30	49.13		
							Brown SANDSTONE.				
							Brown weathered SANDSTONE.	6.30	43.13		
							Brown SANDSTONE.	7.20	42.23		
							Grey MUDSTONE.	18.50	30.93		
							Black COAL.	19.60	29.83		
							Grey MUDSTONE.	19.70	29.73		
							Black COAL.	20.40	29.03		
							Interbedded MUDSTONE and SANDSTONE bands.	20.50	28.93		
							End of Borehole at 30.00 m				

Remarks and Water Observations

1. Groundwater encountered at 21.0m bgl.
2. Air flush techniques used.
3. Hole backfilled with arisings and a bentonite seal.

GL (m AOD) 49.43
Easting: 438527.10
Northing: 408074.67

Fig. No. RO12

BOREHOLE RECORD

BH No. **RO13**
Sheet 1 of 1

Site: Carrs Lane, Cudworth, Barnsley

Contract No: C6138A

Client: Barratt & David Wilson Homes

Dates: 23/04/2015

Method: 12 tonne tracked rotary drilling rig

Scale 1:150

Logged By: GB | Checked By: MB

Driller: SDS

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD				
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							MADE GROUND / TOPSOIL.	0.50	43.95		
							Brown weathered SANDSTONE.				
								2.50	41.95		
							Brown SANDSTONE.	3.00	41.45		
							Brown weathered SANDSTONE (No flush, no returns).				
								4.40	40.05		
							Brown SANDSTONE.				
								6.80	37.65		
							Brown weathered SANDSTONE (no flush, no returns).				
								9.00	35.45		
							Brown SANDSTONE.				
								10.70	33.75		
							Grey MUDSTONE.	11.60	32.85		
							Black COAL.	12.10	32.35		
							Grey MUDSTONE.				
						▽		13.80	30.65		
							Grey MUDSTONE.				
								15.00	29.45		
							Interbedded MUDSTONE and SANDSTONE bands.				
								24.00	20.45		
							End of Borehole at 24.00 m				

Remarks and Water Observations

1. Groundwater encountered at 14.0m bgl.
2. Air flush techniques used.
3. Hole backfilled with arisings and a bentonite seal.

GL (m AOD)
44.45
Easting:
438470.71
Northing:
408470.71

Fig. No.
RO13

BOREHOLE RECORD

BH No. **RO14**
Sheet 1 of 1

Site: Carrs Lane, Cudworth, Barnsley

Contract No: C6138A

Client: Barratt & David Wilson Homes

Dates: 24/04/2015

Method: 12 tonne tracked rotary drilling rig

Scale 1:150

Logged By: GB | Checked By: MB

Driller: SDS

SAMPLE DETAILS

Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)

STRATA RECORD

Groundwater (Casing)	Description	Depth (m)	Level (mAOD)	Legend	Well
	MADE GROUND / TOPSOIL.	0.50	46.53		
	Brown weathered SANDSTONE.				
	Fractured SANDSTONE (no flush, no returns).	4.50	42.53		
	Brown SANDSTONE.	6.00	41.03		
	Black COAL.	13.50	33.53		
	Grey MUDSTONE.	14.20	32.83		
	Black COAL.	15.00	32.03		
	Grey MUDSTONE.	15.20	31.83		
▽ 18					
	End of Borehole at 24.00 m	24.00	23.03		

Remarks and Water Observations

1. Groundwater encountered at 18.0m bgl.
2. Air flush techniques used.
3. Hole backfilled with arisings and a bentonite seal.

GL (m AOD) 47.03
Easting: 438467.45
Northing: 408119.98

Fig. No. RO14

BOREHOLE RECORD

BH No. **RO15**
Sheet 1 of 1

Site: Carrs Lane, Cudworth, Barnsley

Contract No: C6138A

Client: Barratt & David Wilson Homes

Dates: 24/04/2015

Method: 12 tonne tracked rotary drilling rig

Scale 1:150

Logged By: | Checked By: MB

Driller: SDS

SAMPLE DETAILS

Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)

STRATA RECORD

Groundwater (Casing)	Description	Depth (m)	Level (mAOD)	Legend	Well
	MADE GROUND / TOPSOIL.	0.50	43.23		
	Brown weathered SANDSTONE.				
	Black COAL.	6.80	36.93		
		7.00	36.73		
	Grey MUDSTONE.				
		8.00	35.73		
	Black COAL.	8.10	35.63		
	Brown SANDSTONE.				
	Grey MUDSTONE.	13.60	30.13		
	End of Borehole at 18.00 m	18.00	25.73		

Remarks and Water Observations

1. Groundwater not encountered.
2. Air flush techniques used.
3. Hole backfilled with arisings and a bentonite seal.

GL (m AOD)
43.73
Easting:
438426.75
Northing:
408131.38

Fig. No.
RO15