TRIAL PIT RECORD

TP No. **TP34**

Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.10m			MADE GROUND: Soft greyish brown sandy slightly gravelly CLAY with rootlets. Gravel is fine to medium subangular to subrounded of sandstone with some brick. (Topsoil).	0.20			
D	0.50m			Firm grey mottled brown sandy CLAY with occasional cobbles and gravel of sandstone.	0.70			
D	0.90m	51		Firm, stiff in places, grey friable slightly gravelly sandy CLAY. Gravel is fine to coarse subangular of mudstone. (Completely weathered Mudstone).				
D	2.00m	66		Weak grey brown MUDSTONE. Recovered as fine to coarse subangular to angular tabular gravel of mudstone.	2.10			
				End of Trial Pit at 3.50 m	3.50			

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit stable.
3. Trial pit terminated in mudstone; excavator unable to penetrate easily.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. TP34

TRIAL PIT RECORD

TP No. **TP35**
Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.10m			MADE GROUND: Soft greyish brown sandy slightly gravelly CLAY with rootlets. Gravel is fine to medium subangular to subrounded of sandstone with some brick. (Topsoil).	0.10			
D	0.40m	70		Firm grey brown very sandy occasionally gravelly CLAY. Gravel is fine to medium of sandstone and rare coal.				
D	1.00m			Firm grey brown friable very gravelly sandy CLAY. Gravel is fine to coarse subangular of mudstone. (Completely weathered mudstone).	1.00			
D	2.00m							
D	2.30m			Weak grey brown MUDSTONE. Recovered as fine to coarse subangular to angular tabular gravel of mudstone.	2.20			
				End of Trial Pit at 2.40 m	2.40			

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit stable.
3. Trial pit terminated in mudstone; excavator unable to penetrate easily.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. TP35

TRIAL PIT RECORD

TP No. **TP36**

Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.20m			MADE GROUND: Soft greyish brown sandy slightly gravelly CLAY with rootlets. Gravel is fine to medium subangular to subrounded of sandstone with some brick. (Topsoil).	0.30			
D	0.60m	37		Soft occasionally firm grey brown very sandy occasionally gravelly CLAY. Gravel is fine to medium of sandstone and rare coal.	0.70			
D	1.30m			Firm grey brown friable very gravelly sandy CLAY. Gravel is fine to coarse subangular of mudstone. (Completely weathered mudstone).				
D	2.00m							
D	2.80m			Firm grey brown friable very gravelly sandy CLAY. Gravel is fine to coarse subangular of mudstone. (Completely weathered mudstone).	2.30			
				End of Trial Pit at 3.50 m	3.50			

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit stable.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. TP36

TRIAL PIT RECORD

TP No. **TP37**
Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.10m			MADE GROUND: Soft greyish brown sandy slightly gravelly CLAY with rootlets. Gravel is fine to medium subangular to subrounded of sandstone with some brick. (Topsoil).	0.20			
D	0.60m	41		Firm grey brown very sandy occasionally gravelly CLAY. Gravel is fine to medium of sandstone and rare coal.	0.90			
D	1.30m			Firm grey brown friable very gravelly sandy CLAY. Gravel is fine to coarse subangular of mudstone. (Completely weathered mudstone).				
D	2.20m							
D	3.10m			Weak grey MUDSTONE. Recovered as slightly clayey subangular coarse gravel of mudstone.	2.70			
				End of Trial Pit at 3.40 m	3.40			

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit stable.
3. Excavator unable to penetrate easily, trial pit terminated.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. TP37

TRIAL PIT RECORD

TP No. **TP38**
Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.10m			MADE GROUND: Soft greyish brown sandy slightly gravelly CLAY with rootlets. Gravel is fine to medium subangular to subrounded of sandstone with some brick. (Topsoil).	0.10			
		31						
D	0.40m			Soft occasionally firm grey brown very sandy occasionally gravelly CLAY. Gravel is fine to medium of sandstone and rare coal.	0.50			
				Firm grey brown friable very gravelly sandy CLAY. Gravel is fine to coarse subangular of mudstone. (Completely weathered mudstone).				
D	1.10m							
				Weak grey MUDSTONE. Recovered as friable slightly clayey subangular coarse gravel of mudstone.	1.90			
D	2.00m							
				End of Trial Pit at 2.60 m	2.60			

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit stable.
3. Trial pit terminated in mudstone; excavator unable to penetrate easily.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. TP38

TRIAL PIT RECORD

TP No. **TP39**
Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS Type	Depth From - To(m)	Vane Results kN/m²	Groundwater	STRATA RECORD Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.10m			MADE GROUND: Soft greyish brown sandy slightly gravelly CLAY with rootlets. Gravel is fine to medium subangular to subrounded of sandstone with some brick. (Topsoil).	0.20			
D	0.50m	61		Firm grey mottled brown sandy CLAY with occasional cobbles and gravel of sandstone.				
		59						
D	1.30m							
D	2.00m	-		Firm grey friable sandy slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (Completely weathered mudstone).	1.90			
		-						
D	3.00m							
D	4.00m							
				End of Trial Pit at 4.10 m	4.10			

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit stable.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. TP39

TRIAL PIT RECORD

TP No. **TP40**

Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.10m			MADE GROUND: Soft greyish brown sandy slightly gravelly CLAY with rootlets. Gravel is fine to medium subangular to subrounded of sandstone with some brick. (Topsoil).	0.20			
D	0.50m	61		Firm grey mottled brown sandy CLAY with occasional cobbles and gravel of sandstone.	0.70			
D	1.00m			Firm grey brown friable very gravelly sandy CLAY. Gravel is fine to coarse subangular of mudstone. (Completely weathered mudstone).	2.00			
D	2.00m			Weak grey brown MUDSTONE. Recovered as fine to coarse subangular to angular tabular gravel of mudstone.	2.50			
				End of Trial Pit at 2.50 m				

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit stable.
3. Trial pit terminated in mudstone; excavator unable to penetrate easily.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. TP40

TRIAL PIT RECORD

TP No. **TP41**

Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.10m			MADE GROUND: Soft greyish brown sandy slightly gravelly CLAY with rootlets. Gravel is fine to medium subangular to subrounded of sandstone with some brick. (Topsoil).	0.20			
				Firm grey mottled brown sandy CLAY with occasional cobbles and gravel of sandstone.				
D	0.70m							
		32		Soft becoming firm grey brown very sandy occasionally gravelly CLAY. Gravel is fine to medium of sandstone and rare coal.	0.80			
D	1.30m							
		53						
				Firm grey brown friable very gravelly sandy CLAY. Gravel is fine to coarse subangular of mudstone. (Completely weathered mudstone).	1.90			
D	2.20m							
				End of Trial Pit at 2.90 m	2.90			

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit stable.
3. Excavator unable to penetrate easily, trial pit terminated.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. TP41

TRIAL PIT RECORD

TP No. **TP42**

Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.10m			MADE GROUND: Soft greyish brown sandy slightly gravelly CLAY with rootlets. Gravel is fine to medium subangular to subrounded of sandstone with some brick. (Topsoil).	0.20			
D	0.50m			Firm grey mottled brown sandy CLAY with occasional cobbles and gravel of sandstone.	0.60			
D	1.20m			Firm grey brown friable very gravelly sandy CLAY. Gravel is fine to coarse subangular of mudstone. (Completely weathered mudstone).	2.10			
D	2.00m			Weak grey brown MUDSTONE. Recovered as fine to coarse subangular to angular tabular gravel of mudstone.	3.50			
D	3.00m			End of Trial Pit at 3.50 m				

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit stable.
3. Excavator unable to penetrate easily, trial pit terminated.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. TP42

TRIAL PIT RECORD

TP No. **TP43**

Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.10m			MADE GROUND: Soft greyish brown sandy slightly gravelly CLAY with rootlets. Gravel is fine to medium subangular to subrounded of sandstone with some brick. (Topsoil).	0.20			
J	0.50m			MADE GROUND: Soft, firm in places black CLAY, with rare gravel of sandstone and rare timber pieces. Faint hydrogen sulphide odour noted.				
J	1.00m							
J	1.80m							
				Firm friable grey sandy CLAY.	1.90			
J	2.30m							
				Moderately strong thinly bedded yellow brown SANDSTONE. Recovered as coarse subangular tabular gravel and cobbles of sandstone.	2.40			
				End of Trial Pit at 2.70 m	2.70			

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit stable.
3. Trial pit terminated on impenetrable sandstone.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. TP43

TRIAL PIT RECORD

TP No. **TP44**
Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.10m			MADE GROUND: Soft greyish brown sandy slightly gravelly CLAY with rootlets. Gravel is fine to medium subangular to subrounded of sandstone with some brick. (Topsoil).	0.20			
D	0.50m			MADE GROUND: Yellow brown fine to coarse subangular to angular GRAVEL of predominantly sandstone with occasional mudstone.				
D	1.30m							
D	2.30m							
D	2.90m							
				End of Trial Pit at 3.40 m	3.40			

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit stable.
3. Trial pit terminated at the maximum reach of the excavator.

GL (m AOD)
-
Easting:
-
Northing:
-

Fig. No.
TP44

TRIAL PIT RECORD

TP No. **TP45**

Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.20m			MADE GROUND: Soft greyish brown sandy slightly gravelly CLAY with rootlets. Gravel is fine to medium subangular to subrounded of sandstone with some brick. (Topsoil).	0.30			
D	0.70m			MADE GROUND: Soft, firm in places black CLAY, with rare gravel of sandstone and rare timber pieces. Faint hydrogen sulphide odour noted.	1.20			
D	1.50m			Firm grey mottled brown sandy CLAY with occasional cobbles and gravel of sandstone.	2.00			
D	2.00m			Firm grey brown friable very gravelly sandy CLAY. Gravel is fine to coarse subangular of mudstone. (Completely weathered mudstone).	2.40			
				End of Trial Pit at 2.40 m				

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit stable.
3. Excavator unable to penetrate easily, trial pit terminated.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. TP45

TRIAL PIT RECORD

TP No. **TP46**
Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.30m			MADE GROUND: Soft greyish brown sandy slightly gravelly CLAY with rootlets. Gravel is fine to medium subangular to subrounded of sandstone with some brick. (Topsoil).				
					0.40			
D	1.00m			MADE GROUND: Soft, firm in places black CLAY, with rare gravel of sandstone and rare timber pieces. Faint hydrogen sulphide odour noted.				
					1.40			
D	2.00m	63		Firm friable grey sandy CLAY.				
					2.40			
D	2.50m			Firm grey brown friable very gravelly sandy CLAY. Gravel is fine to coarse subangular of mudstone. (Completely weathered mudstone).				
					2.80			
				End of Trial Pit at 2.80 m				

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit stable.
3. Excavator unable to penetrate easily, trial pit terminated.

GL (m AOD) -
Easting: -
Northing: -

Fig. No. TP46

TRIAL PIT RECORD

TP No. **TP47**

Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.20m			MADE GROUND: Soft greyish brown sandy slightly gravelly CLAY with rootlets. Gravel is fine to medium subangular to subrounded of sandstone with some brick. (Topsoil).	0.30			
D	0.60m			MADE GROUND: Soft, firm in places black CLAY, with rare gravel of sandstone and rare timber pieces. Faint hydrogen sulphide odour noted.	0.80			
				Moderately strong thinly bedded yellow brown SANDSTONE. Recovered as coarse tabular gravel and cobbles of sandstone.	1.00			
				End of Trial Pit at 1.00 m				

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit stable.
3. Trial pit terminated on impenetrable sandstone.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. TP47

TRIAL PIT RECORD

TP No. **TP48**
Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.10m			MADE GROUND: Soft occasionally firm grey brown very sandy occasionally gravelly CLAY. Gravel is fine to medium of sandstone and rare coal.	0.20			
D	0.50m			MADE GROUND: Firm friable grey sandy CLAY.				
D	1.30m			MADE GROUND: Grey-brown fine to medium rarely coarse subrounded GRAVEL of sandstone and mudstone, with occasional cobbles of sandstone.	0.90			
D	2.30m							
D	3.00m			Firm grey brown friable very gravelly sandy CLAY. Gravel is fine to coarse subangular of mudstone. (Completely weathered mudstone).	2.70			
				End of Trial Pit at 3.40 m	3.40			

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit terminated due to poor stability.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. TP48

TRIAL PIT RECORD

TP No. **TP49**
Sheet 1 of 1

Site : Barugh Green, Barnsley

Contract No: C1277

Client : Hallam Land Management Ltd.

Dates: 14/06/2006

Method : JCB 3CX with a 0.60m wide toothed bucket.

Scale 1:25

Logged By: JC

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD) PID (ppm)	Legend	Well
D	0.10m			MADE GROUND: Soft greyish brown sandy slightly gravelly CLAY with rootlets. Gravel is fine to medium subangular to subrounded of sandstone with some brick. (Topsoil).	0.20			
D	0.60m			MADE GROUND: Soft occasionally firm grey brown very sandy occasionally gravelly CLAY. Gravel is fine to medium of sandstone and rare coal.	0.90			
D	1.30m			MADE GROUND: Grey-brown fine to medium rarely coarse subrounded GRAVEL of sandstone and mudstone, with occasional cobbles of sandstone.	2.70			
D	2.20m			Moderately strong thinly bedded yellow brown SANDSTONE. Recovered as coarse tabular gravel and cobbles of sandstone.	3.40			
D	3.10m			End of Trial Pit at 3.40 m				

Remarks and Water Observations

1. No groundwater encountered.
2. Trial pit stable.
3. Trial pit terminated on impenetrable sandstone.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. TP49

WINDOW SAMPLING RECORD

BH No. **WS1**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 15/06/2006

Method: Premier tracked window sampling machine.

Scale 1:25

Driller: TG/VL

Logged By: SA

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD)	Legend	Well
D	0.05m			MADE GROUND: Brown gravelly fine to coarse SAND. Gravel size fragments are angular to subangular fine to coarse of sandstone and ash.	0.10			
D	0.15m			MADE GROUND: Dark grey gravelly fine to coarse SAND. Gravel size fragments are angular to subangular fine to coarse of ash.	0.30			
D	0.45m			MADE GROUND: Orange brown gravelly fine to coarse SAND. Gravel size fragments are angular to subangular fine to coarse of sandstone.	0.60			
D	0.80m			Stiff orange brown slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of sandstone, siltstone and mudstone.				
D	1.80m							
D	2.80m							
				End of Window Sample at 3.00 m	3.00			

Remarks and Water Observations

1. No groundwater encountered.
2. Window sampling complete at 3.00m.

GL (mAOD)
-
Easting:
-
Northing:
-

Fig. No.
WS1

WINDOW SAMPLING RECORD

BH No. **WS2**

Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 15/06/2006

Method: Premier tracked window sampling machine.

Scale 1:25

Driller: TG/VL

Logged By: SA

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD)	Legend	Well
D	0.05m			MADE GROUND: Brown gravelly fine to coarse SAND. Gravel size fragments are angular to subangular fine to coarse of sandstone and ash.	0.10			
D	0.15m			MADE GROUND: Dark grey gravelly fine to coarse SAND. Gravel size fragments are angular to subangular fine to coarse of ash, brick and sandstone.	0.30			
D	0.50m			Stiff orange brown slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of sandstone and siltstone.				
D	1.50m							
				End of Window Sample at 2.00 m	2.00			

Remarks and Water Observations

1. No groundwater encountered.
2. Window sampling complete at 2.00m.

GL (mAOD)
-
Easting:
-
Northing:
-

Fig. No.
WS2

WINDOW SAMPLING RECORD

BH No. **WS3**

Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 15/06/2006

Method: Premier tracked window sampling machine.

Scale 1:25

Driller: TG/VL

Logged By: SA

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD)	Legend	Well
D	0.05m			MADE GROUND: Brown gravelly fine to coarse SAND. Gravel size fragments are angular to subangular fine to coarse of sandstone and ash.	0.09			
D	0.10m				0.15			
				MADE GROUND: Dark grey gravelly fine to coarse SAND. Gravel size fragments are angular to subangular fine to coarse of ash, brick and sandstone.				
D	0.50m							
				Stiff orange brown slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of siltstone and occasionally sandstone.				
D	1.50m							
				End of Window Sample at 2.00 m	2.00			

Remarks and Water Observations

1. No groundwater encountered.
2. Window sampling complete at 2.00m.

GL (mAOD)
-
Easting:
-
Northing:
-

Fig. No.
WS3

WINDOW SAMPLING RECORD

BH No. **WS4**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 15/06/2006

Method: Premier tracked window sampling machine.

Scale 1:25

Driller: TG/VL

Logged By: SA

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD)	Legend	Well
D	0.20m			MADE GROUND: Brown gravelly fine to coarse SAND. Gravel size fragments are angular to subangular fine to coarse of sandstone and ash.	0.05			
D	0.50m			MADE GROUND: Dark grey gravelly fine to coarse SAND. Gravel size fragments are angular to subangular fine to coarse of ash, brick and sandstone.	0.40			
D	0.90m			MADE GROUND: Brown gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of sandstone.	0.70			
D	1.80m			Stiff orange brown slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of siltstone and occasionally sandstone.				
				End of Window Sample at 2.00 m	2.00			

Remarks and Water Observations

1. No groundwater encountered.
2. Window sampling complete at 2.00m.

GL (mAOD)
-
Easting:
-
Northing:
-

Fig. No.
WS4

WINDOW SAMPLING RECORD

BH No. **WS5**

Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 15/06/2006

Method: Premier tracked window sampling machine.

Scale 1:25

Driller: TG/VL

Logged By: SA

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD)	Legend	Well
D	0.05m			MADE GROUND: Brown gravelly fine to coarse SAND. Gravel size fragments are angular to subangular fine to coarse of sandstone and ash.	0.10			
D	0.20m			MADE GROUND: Dark grey gravelly fine to coarse SAND. Gravel size fragments are angular to subangular fine to coarse of ash, brick and sandstone.	0.35			
D	0.50m			MADE GROUND: Grey clayey angular to subangular fine to coarse GRAVEL of siltstone.	0.70			
D	0.80m			MADE GROUND: Firm orange brown slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of siltstone and mudstone.	0.85			
D	0.90m			MADE GROUND: Dark grey fine to coarse SAND and angular to subangular fine to medium GRAVEL of ash and clinker.				
D	1.30m							
D	1.80m							
D	2.50m							
D	2.75m			MADE GROUND: Orange brown clayey angular to subangular fine to coarse GRAVEL of sandstone.	2.70 2.80			
D	2.90m			Black shiny COAL. (Recovered as angular gravel).	2.95			
				Soft brown CLAY. (Seat earth).	3.00			
D	3.20m			Firm dark grey mottled light grey slightly sandy slightly gravelly CLAY. Gravel is of coal and sandstone.				
D	3.50m			Stiff orange brown mottled light grey slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of siltstone and mudstone.	3.35			
				End of Window Sample at 4.00 m	4.00			

Remarks and Water Observations

1. No groundwater encountered.
2. Window sampling complete at 4.00m.
3. Standpipe installed, slotted from 0.50m to 2.50m.

GL (mAOD) -

Easting: -

Northing: -

Fig. No. WS5

WINDOW SAMPLING RECORD

BH No. **WS6**

Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 15/06/2006

Method: Premier tracked window sampling machine.

Scale 1:25

Driller: TG/VL

Logged By: SA

SAMPLE DETAILS Type	Depth From - To(m)	Vane Results kN/m²	Groundwater	STRATA RECORD Description	Depth (m)	Level (mAOD)	Legend	Well
D	0.10m			MADE GROUND: Brown gravelly fine to coarse SAND. Gravel size fragments are angular to subangular fine to coarse of sandstone and ash. (Topsoil).	0.20			
D	0.30m			MADE GROUND: Lean mix CONCRETE.	0.42			
D	0.50m			MADE GROUND: Dark grey gravelly fine to coarse SAND. Gravel size fragments are angular to subangular fine to coarse of ash, brick and sandstone.	0.80			
				MADE GROUND: Brown clayey sandy angular to subangular fine to coarse GRAVEL of sandstone	1.00			
D	1.10m			MADE GROUND: Firm dark brown slightly sandy slightly gravelly CLAY. Gravel size fragments are angular to subangular fine to coarse of brick, ash, sandstone and coal.	1.70			
D	1.80m			Weak grey SILTSTONE. Highly weathered. (Recovered as clayey angular to subangular fine to coarse gravel). (Possibly made ground).	1.95			
D	2.00m			Black shiny COAL. (Recovered as angular gravel).	2.00			
D	2.15m			Firm orange brown slightly gravelly slightly sandy locally sandy CLAY. Gravel is angular to subangular fine to coarse of sandstone and coal.	2.30			
D	2.45m			Firm dark grey mottled grey slightly sandy CLAY. Slight peat odour.	2.60			
D	2.80m			Firm grey mottled orange brown slightly sandy CLAY.	3.00			
				End of Window Sample at 3.00 m				

Remarks and Water Observations

1. No groundwater encountered.
2. Window sampling complete at 3.00m.
3. Standpipe installed, slotted from 0.50m to 1.70m.

GL (mAOD) -

Easting: -

Northing: -

Fig. No. WS6

WINDOW SAMPLING RECORD

BH No. **WS7**

Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 15/06/2006

Method: Premier tracked window sampling machine.

Scale 1:25

Driller: TG/VL

Logged By: SA

SAMPLE DETAILS			Groundwater	STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m²		Description	Depth (m)	Level (mAOD)	Legend	Well
				MADE GROUND: Light grey angular fine to coarse GRAVEL of limestone.				
D	0.30m			MADE GROUND: Brown clayey sandy angular to subangular fine to coarse GRAVEL of limestone and sandstone.	0.20			
D	0.60m			MADE GROUND: Light grey subrounded coarse GRAVEL of sandstone.	0.50			
				MADE GROUND: Stiff brown grey slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of sandstone.	0.70			
D	1.10m							
D	1.45m			Firm orange brown mottled light grey slightly sandy CLAY.	1.40			
D	1.60m			Firm dark grey slightly sandy CLAY. Slight peat odour.	1.55			
D	1.95m			Stiff orange brown mottled light grey slightly sandy CLAY.	1.90			
				End of Window Sample at 2.00 m	2.00			

Remarks and Water Observations

1. No groundwater encountered.
2. Window sampling complete at 2.00m.
3. Standpipe installed, slotted from 0.50m to 1.40m.

GL (mAOD) -

Easting: -

Northing: -

Fig. No. WS7

BOREHOLE RECORD

BH No. **R1**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 07/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Brown-grey CLAY.				
Grey MUDSTONE with thin coal bands.	4.80			
Black COAL.	17.00			
Grey MUDSTONE.	17.30			
With bands of grey SANDSTONE between 24.50m and 26.00m.				

End of Borehole at 30.00 m

Remarks and Water Observations

1. Borehole noted to be wet from 17m.
2. Borehole backfilled with arisings on completion.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R1

BOREHOLE RECORD

BH No. **R2**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 07/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)
Grey brown CLAY.		
Grey MUDSTONE.	3.00	
Black COAL.	8.50	
Grey MUDSTONE.	9.00	
Black COAL.	17.50	
Grey MUDSTONE.	17.90	

Legend

Well

End of Borehole at 30.00 m

Remarks and Water Observations

1. Borehole noted to be wet from 17.5m.
2. Borehole backfilled with arisings on completion.

GL (m AOD)
-
Easting:
-
Northing:
-

Fig. No.
R2

BOREHOLE RECORD

BH No. **R3**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 07/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Grey brown CLAY.				
Grey MUDSTONE.	2.60			
Black COAL.	12.00			
Grey MUDSTONE.	13.00			
Black COAL.	21.00			
Grey MUDSTONE.	21.80			

End of Borehole at 30.00 m

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R3

BOREHOLE RECORD

BH No. **R4**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 07/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD				
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							Grey brown CLAY.				
							Grey MUDSTONE.	3.00			
							Black COAL.	14.00			
							Grey MUDSTONE.	15.00			
							Black COAL.	23.00			
							Grey MUDSTONE.	23.50			
							End of Borehole at 30.00 m				

Remarks and Water Observations

1. Borehole noted to be wet from 8.00m.
2. Borehole backfilled with arisings on completion.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R4

BOREHOLE RECORD

BH No. **R5**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 08/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD				
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							Grey brown CLAY.				
							Grey MUDSTONE.	4.80			
							Black COAL.	6.00			
							Grey MUDSTONE.	7.00			
							Black COAL.	14.70			
							Grey MUDSTONE.	15.00			
							End of Borehole at 30.00 m				

Remarks and Water Observations

1. No groundwater encountered.
2. Gas and groundwater monitoring well installed as shown above.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R5

BOREHOLE RECORD

BH No. **R6**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 08/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Grey brown CLAY.				
Grey MUDSTONE.	3.00			
Black COAL.	12.50			
Grey MUDSTONE.	14.00			

End of Borehole at 30.00 m

Remarks and Water Observations

1. No groundwater encountered.
2. Gas and groundwater monitoring well installed as shown above.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R6

BOREHOLE RECORD

BH No. **R7**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 08/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Grey brown CLAY.				
Grey Weathered SANDSTONE.	3.00			
Black COAL.	15.00			
Grey MUDSTONE.	16.50			
End of Borehole at 30.00 m				

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD)
-

Easting:
-

Northing:
-

Fig. No.
R7

BOREHOLE RECORD

BH No. **R8**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 08/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Grey brown CLAY				
Grey MUDSTONE.	3.00			
Black COAL.	15.00			
Grey MUDSTONE.	16.30			
End of Borehole at 30.00 m	30			

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R8

BOREHOLE RECORD

BH No. **R9**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 08/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Grey brown CLAY.				
Grey MUDSTONE.	3.00			
Black COAL.	13.50			
Grey MUDSTONE.	14.50			
Black COAL.	20.00			
Grey MUDSTONE.	20.80			
End of Borehole at 30.00 m	30			

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R9

BOREHOLE RECORD

BH No. **R10**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 08/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)
Grey brown CLAY.		
Grey MUDSTONE.	3.50	
Black COAL.	16.00	
Grey MUDSTONE and grey SANDSTONE.	17.00	

Legend

Well

End of Borehole at 30.00 m

Remarks and Water Observations

1. No groundwater encountered.
2. Gas and groundwater monitoring well installed as shown above.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R10

BOREHOLE RECORD

BH No. **R11**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 08/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD					
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							Grey brown CLAY.				
							Grey MUDSTONE.	3.50			
							End of Borehole at 4.50 m	4.50			

Remarks and Water Observations

1. No groundwater encountered.
2. Gas and groundwater monitoring well installed as shown above.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R11

BOREHOLE RECORD

BH No. **R12**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 08/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Grey brown CLAY.				
Grey weathered SANDSTONE.	4.80			
Black COAL.	17.00			
Grey MUDSTONE with grey SANDSTONE bands.	18.20			

End of Borehole at 30.00 m

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R12

BOREHOLE RECORD

BH No. **R13**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 09/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

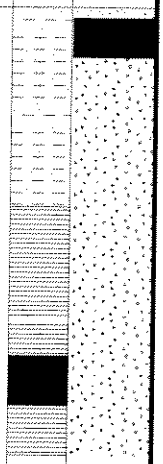
SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Grey brown CLAY.				
Grey MUDSTONE.	4.00			
Black COAL.	7.00			
Grey MUDSTONE.	8.00			
End of Borehole at 9.00 m	9.00			



Remarks and Water Observations

1. No groundwater encountered.
2. Gas and groundwater monitoring well installed as shown above.

GL (m AOD)
-

Easting:
-

Northing:
-

Fig. No.
R13

BOREHOLE RECORD

BH No. **R14**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 09/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD					
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							Grey brown CLAY.				
							Grey MUDSTONE and grey SANDSTONE.	4.00			
							Broken ground, with artesian water.	9.00			
							Hard strata. No recognisable returns.	11.00			
							End of Borehole at 15.00 m	15.00			

Remarks and Water Observations

1. Artesian water encountered at 9.0m.
2. Borehole backfilled with arisings on completion.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R14

BOREHOLE RECORD

BH No. **R15**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 09/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD				
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							Grey brown CLAY.				
							Grey MUDSTONE and grey SANDSTONE.	3.00			
							Black COAL.	11.50			
							Grey MUDSTONE and grey SANDSTONE.	12.50			
							End of Borehole at 30.00 m				

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R15

BOREHOLE RECORD

BH No. **R16**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 09/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Grey brown CLAY.				
Grey MUDSTONE and grey SANDSTONE.	4.00			
Broken ground, with artesian water.	10.20			
Hard strata. No recognisable returns.	12.20			
End of Borehole at 15.00 m	15.00			

Remarks and Water Observations

1. Artesian water encountered at 10.2m.
2. Borehole backfilled with arisings on completion.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R16

BOREHOLE RECORD

BH No. **R17**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 09/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD					
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							Grey brown CLAY				
							Grey MUDSTONE and grey SANDSTONE.	3.50			
							Black COAL.	13.20			
							Grey SANDSTONE.	14.20			
							End of Borehole at 15.20 m	15.20			

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD)
-
Easting:
-
Northing:
-

Fig. No.
R17

BOREHOLE RECORD

BH No. **R18**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 09/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD					
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							Grey brown CLAY.				
							Grey MUDSTONE and grey SANDSTONE.	3.30			
							Black COAL.	14.50			
							Grey SANDSTONE.	15.50			
							End of Borehole at 16.50 m	16.50			

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD)
-

Easting:
-

Northing:
-

Fig. No.
R18

BOREHOLE RECORD

BH No. **R19**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 09/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC
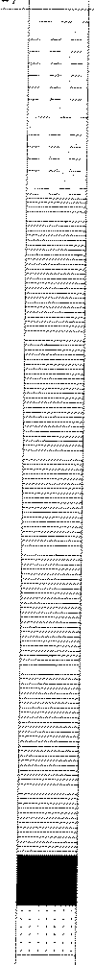
SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Grey brown CLAY.				
Grey MUDSTONE.	3.80			
Black COAL.	17.00			
Grey SANDSTONE.	18.00			
End of Borehole at 19.00 m	19.00			



Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD)
-

Easting:
-

Northing:
-

Fig. No.
R19

BOREHOLE RECORD

BH No. **R20**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 12/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Grey brown CLAY.	1.50			
Grey SANDSTONE.	5.00			
Grey MUDSTONE.	13.00			
Black COAL.	14.00			
Grey MUDSTONE.	15.00			
End of Borehole at 15.00 m				

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD)
-

Easting:
-

Northing:
-

Fig. No.
R20

BOREHOLE RECORD

BH No. **R21**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 12/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD				
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							Grey Brown CLAY.				
							Grey MUDSTONE.	2.50			
							Black COAL.	10.00			
							Grey MUDSTONE.	11.00			
							End of Borehole at 12.00 m	12.00			

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R21

BOREHOLE RECORD

BH No. **R22**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 12/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD					
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							Grey brown CLAY.				
							Grey MUDSTONE.	4.80			
							Black COAL.	7.00			
							Grey MUDSTONE.	8.00			
							End of Borehole at 9.00 m	9.00			

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R22

BOREHOLE RECORD

BH No. **R23**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 12/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD					
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							Grey brown CLAY.				
							Grey MUDSTONE.	4.80			
							Black COAL.	6.80			
							Grey MUDSTONE.	7.80			
							End of Borehole at 9.00 m	9.00			

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R23

BOREHOLE RECORD

BH No. **R24**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 12/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Grey brown CLAY.	0.00 – 3.00			
Grey MUDSTONE.	3.00 – 8.00			
Black COAL.	8.00 – 9.00			
Grey MUDSTONE.	9.00 – 10.00			
End of Borehole at 10.00 m	10.00			

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R24

BOREHOLE RECORD

BH No. **R25**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 12/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Grey brown CLAY.				
Grey MUDSTONE.	4.00			
Black COAL.	10.80			
Grey MUDSTONE.	11.80			
End of Borehole at 13.00 m	13.00			

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD)
-

Easting:
-

Northing:
-

Fig. No.
R25

BOREHOLE RECORD

BH No. **R26**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 12/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Grey Brown CLAY.				
Grey MUDSTONE and SANDSTONE.	3.50			
Black COAL.	11.70			
Grey MUDSTONE.	12.70			
End of Borehole at 14.00 m	14.00			

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD)
-

Easting:
-

Northing:
-

Fig. No.
R26

BOREHOLE RECORD

BH No. **R27**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 12/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Grey brown CLAY.	0.00			
Grey MUDSTONE and grey SANDSTONE.	4.00			
Black COAL.	18.80			
Grey MUDSTONE.	19.80			
End of Borehole at 21.00 m	21.00			

Remarks and Water Observations

1. No groundwater encountered at 16m.
2. Borehole backfilled with arisings on completion.

GL (m AOD)
-

Easting:
-

Northing:
-

Fig. No.
R27

BOREHOLE RECORD

BH No. **R28**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 12/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Brown grey CLAY.				
Grey MUDSTONE and grey SANDSTONE.	3.50			
Black COAL.	13.70			
Grey MUDSTONE.	14.70			
End of Borehole at 16.00 m	16.00			

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R28

BOREHOLE RECORD

BH No. **R29**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 12/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS						Groundwater (Casing)	STRATA RECORD				
Type	Depth From - To (m)	TCR (%)	SCR (%)	RQD (%)	N (FI)		Description	Depth (m)	Level (mAOD)	Legend	Well
							Brown grey CLAY.				
							Grey MUDSTONE and grey SANDSTONE.	2.90			
							Black COAL.	10.80			
							Grey MUDSTONE.	11.80			
							End of Borehole at 13.00 m	13.00			

Remarks and Water Observations

1. No groundwater encountered.
2. Borehole backfilled with arisings on completion.

GL (m AOD)
-
Easting:
-
Northing:
-

Fig. No.
R29

BOREHOLE RECORD

BH No. **R30**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 12/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Brown grey CLAY.	1 2 3			
Grey MUDSTONE.	3.80 4 5 6 7 8 9 10			
Void, with artesian water.	10.80 11			
Hard strata, no recognisable returns.	11.70 12 13 14			
End of Borehole at 15.00 m	15.00 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30			

Remarks and Water Observations

1. Artesian groundwater encountered at 10.80m.
2. Borehole backfilled with arisings on completion.

GL (m AOD) -

Easting: -

Northing: -

Fig. No. R30

BOREHOLE RECORD

BH No. **R31**
Sheet 1 of 1

Site: Barugh Green, Barnsley

Contract No: C1277

Client: Hallam Land Management Ltd.

Dates: 12/06/2006

Method: Casagrande C6 with 600 Compressor (using air as the flushing medium).

Scale 1:150

Driller: DCE

Logged By: JC

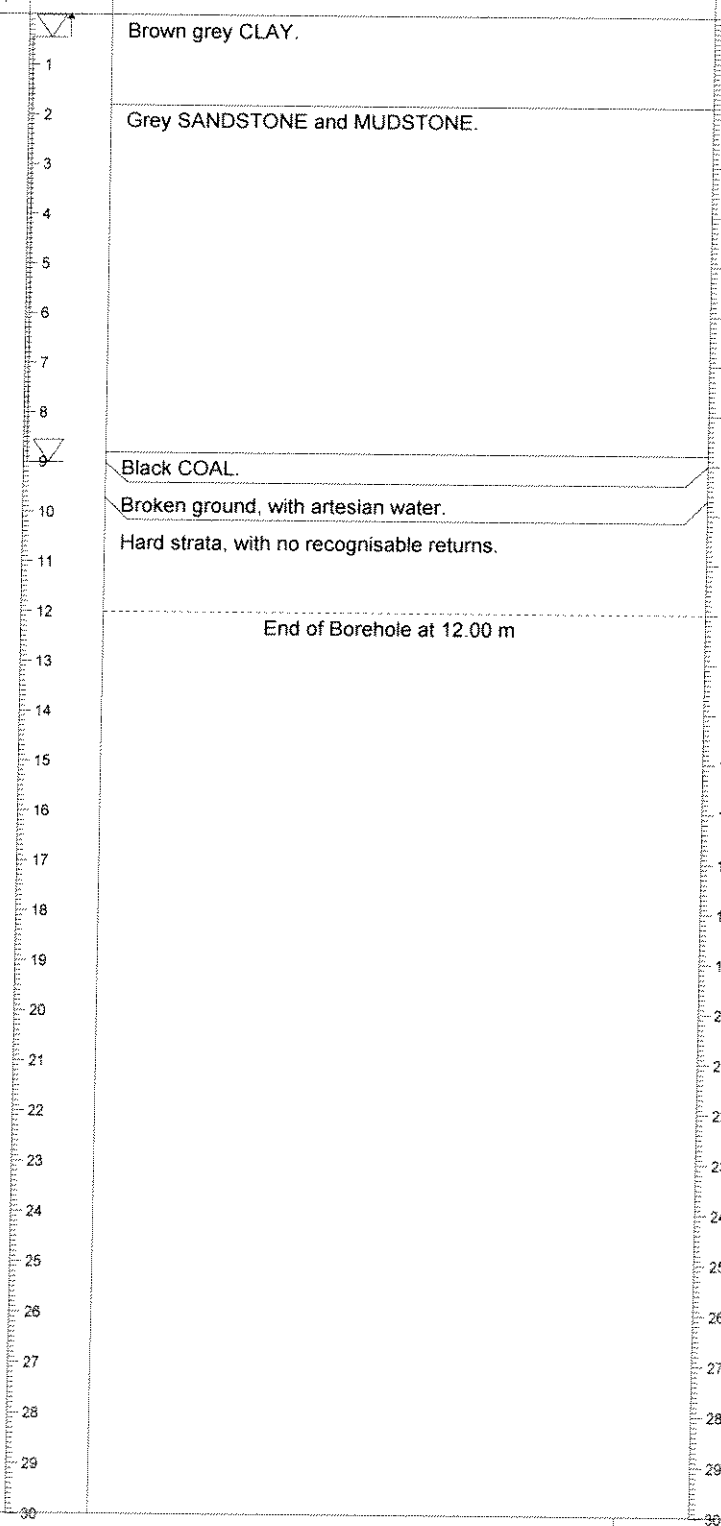
SAMPLE DETAILS

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

Groundwater (Casing)

STRATA RECORD

Description	Depth (m)	Level (mAOD)	Legend	Well
Brown grey CLAY.				
Grey SANDSTONE and MUDSTONE.	1.80			
Black COAL.	8.80			
	9.00			
Broken ground, with artesian water.	9.70			
Hard strata, with no recognisable returns.				
End of Borehole at 12.00 m	12.00			



Remarks and Water Observations

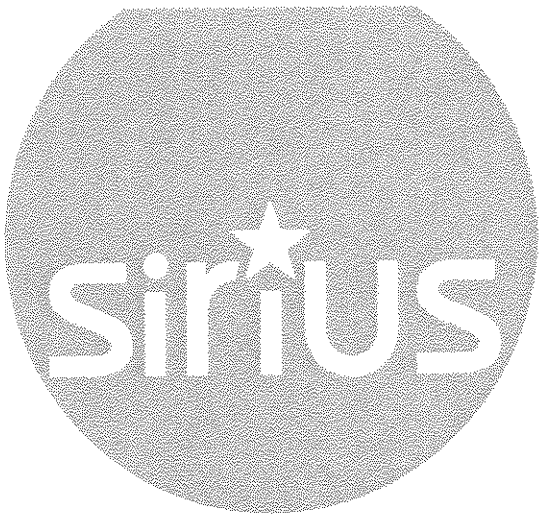
1. Artesian groundwater encountered at 9.00m.
2. Borehole backfilled with arisings on completion.

GL (m AOD)
-

Easting:
-

Northing:
-

Fig. No.
R31



APPENDIX E
LABORATORY TEST RESULTS

1170

LABORATORY REPORT

PSL
Professional Soils Laboratory

Contract Number: PSL06/1297

Client's Reference:

Report Date: 24 July 2006

Client Name: Sirius Bramham
Suite 3, Bowcliffe Grange
Bowcliffe Hall Estate
Bramham
Leeds
LS23 6LP

Contract Title: Barugh Green, Barnsley
For the attention of: Jon Corker

Date Received: 14-Jul-06
Date Commenced: 14-Jul-06
Date Completed:
Notes:

The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced in full, without the prior written approval of the laboratory.

Approved Signatories:

R Gunson (Director)
A Watkins (Director)
D Lambe (Senior Technician)

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SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Trial Pit Number	Sample Number	Depth m	Description of Sample
3		1.00	Brown slightly gravelly slightly sandy CLAY.
12		0.70	Brown very sandy CLAY.
12		2.50	Brown very sandy CLAY.
22		1.40	Brown slightly sandy CLAY.
22		2.00	Brown slightly gravelly sandy CLAY.
23		0.60	Brown sandy CLAY.
23		2.70	Brown gravelly sandy CLAY.
26		1.30	Brown very sandy CLAY.
26		2.30	Brown sandy very clayey GRAVEL of mudstone.
42		0.50	Brown sandy CLAY.
42		1.20	Brown sandy CLAY.

PSL
Professional Soils Laboratory

Compiled by	Date	Checked by	Date	Approved by	Date
	20/7/06		20/7/06		20/7/06

BARUGH GREEN, BARNSLEY.

Contract No. PSL06/1297

Client Ref: C1277