

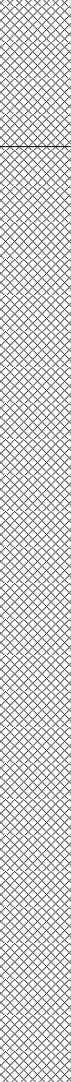
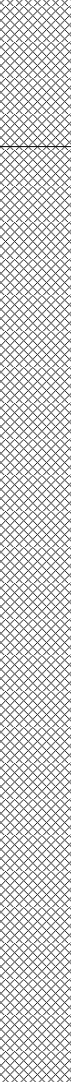
TRIAL PIT LOG

TP1036

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 28/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 148.67m AOD **Coordinates** E 435407.62 N 399737.73 **Total Depth** 3.80m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.80		148.47	(0.20) 0.20	E	Very soft brown slightly gravelly silty CLAY with rare rootlets. Gravel is subangular mudstone, sandstone and rare brick. (TOPSOIL/MADE GROUND)		
				(0.50) 0.70	E	Firm orangish brown slightly gravelly silty CLAY with rare cobbles. Gravel is subangular siltstone and mudstone. Cobbles are subangular sandstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
			147.97	0.70		Brown and greyish brown silty/clayey GRAVEL with occasional to frequent cobbles and locally boulder sized pockets of firm clay. Gravel is fine to coarse angular to subangular mudstone, occasional siltstone and sandstone. Cobbles are subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
ES	2.00							
D	2.50			(3.10)	E			
B	3.00							
D	3.50							
			144.87	3.80		End of Trial Pit at 3.80m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Sides spalling from 1.00m bgl.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.70m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1037

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 27/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 146.85m AOD **Coordinates** E 435445.18 N 399809.57 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	1.00		146.60	(0.25)	E	Very soft brown silty CLAY with occasional to rare rootlets. (TOPSOIL/MADE GROUND)		
				0.25	E	Firm orangish brown mottled light grey slightly gravelly CLAY. Gravel is fine to coarse subangular sandstone and rare ironstone. (MADE GROUND - OPENCAST BACKFILL)		
				(0.25)		Greyish brown and grey clayey GRAVEL with occasional to frequent cobbles and with occasional boulder sized pockets of soft gravelly clay. Gravel is fine to coarse subangular predominantly mudstone and occasional siltstone. Cobbles are subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
D	2.00		146.35	0.50	E-M			
				(3.50)				
D	3.00							
LB	3.00							
ES	3.50							
D	4.00		142.85	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: 80mm land drain encountered at 0.65m bgl depth - repaired. Trial pit backfilled with arisings on completion.

Length:	3.00m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1038

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 14/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 144.77m AOD **Coordinates** E 435493.82 N 399858.17 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.15		144.67	(0.10)	E	Soft dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone and mudstone.		
			144.57	(0.10)	E	(TOPSOIL/MADE GROUND)		
				0.20		Stiff orangish brown and brown mottled greyish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
						Stiff greyish brown occasionally mottled orangish brown slightly sandy slightly gravelly CLAY with rare cobbles. Gravel is fine to coarse subangular siltstone and mudstone. Cobbles are subangular siltstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.00			(2.10)	E			
						<i>Below 1.50m bgl: mottled orangish brown and brownish grey.</i>		
B	2.00							
			142.47	2.30		Brownish grey occasionally mottled orangish brown and light grey sandy clayey GRAVEL with rare cobbles. Gravel is fine to coarse subangular to subrounded siltstone and mudstone. Cobbles are subangular siltstone. (MADE GROUND - OPENCAST BACKFILL)		
ES	3.00			(1.70)	E			
D	4.00		140.77	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1039

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 14/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 145.03m AOD **Coordinates** E 435521.10 N 399888.68 **Total Depth** 2.80m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.15		144.93	(0.10)	E	Soft dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone and mudstone.		
			144.83	0.10		(TOPSOIL/MADE GROUND)		
D	0.40			(0.10)	E	Firm orangish brown mottled brown and occasionally grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone.		
				0.20		(MADE GROUND - OPENCAST BACKFILL)		
			144.43	(0.40)	E	Firm to stiff brownish grey occasionally grey and orangish brown slightly sandy slightly gravelly CLAY with rare cobbles. Gravel is fine to coarse subangular siltstone and mudstone. Cobbles are subangular siltstone.		
				0.60		(MADE GROUND - OPENCAST BACKFILL)		
						Brownish grey and grey sandy clayey GRAVEL with frequent tabular cobbles of siltstone. Gravel is fine to coarse angular to subangular siltstone and mudstone.		
						(MADE GROUND - OPENCAST BACKFILL)		
						<i>Below 1.00m bgl: becoming slightly clayey.</i>		
D	1.50							
				(2.20)	M			
ES	2.50							
B	2.80		142.23	2.80		End of Trial Pit at 2.80m		

Method: 20T Tracked excavator

Groundwater: Strike at 2.70m bgl.

Stability: Poor below 1.00m bgl.

Remarks: Collapse at 2.00m bgl, trial pit terminated at 2.80m bgl due to constant collapse. Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1040

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 17/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 143.82m AOD **Coordinates** E 435582.03 N 399883.83 **Total Depth** 4.50m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.10			(0.20)		Soft brown slightly gravelly CLAY with frequent rootlets. Gravel is fine to coarse subangular to subrounded mudstone and sandstone.		
ES	0.10		143.62	0.20	E	(TOPSOIL/MADE GROUND)		
D	0.50		143.22	(0.40)	E	Firm to stiff grey and orange slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded mudstone and coal.		
				0.60		(MADE GROUND - OPENCAST BACKFILL)		
B	1.00					Dark grey GRAVEL with frequent subangular cobbles of mudstone and siltstone. Gravel is fine to coarse angular to subangular mudstone and siltstone.		
						(MADE GROUND - OPENCAST BACKFILL)		
				(3.90)	M			
D	3.00					At 3.00m bgl: 1No boulder of siltstone.		
ES	3.00							
B	3.50							
			139.32	4.50		End of Trial Pit at 4.50m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Unstable below 1.00m bgl.

Remarks: Trial pit backfilled with arisings on completion.

Length:	2.50m
Width:	0.80m
Logged:	JW
Checked:	SD

TRIAL PIT LOG

TP1041

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 17/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 143.69m AOD **Coordinates** E 435552.19 N 399850.04 **Total Depth** 4.80m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D ES	0.10 0.10		143.49	(0.20) 0.20	E	Soft brown slightly gravelly CLAY with frequent rootlets. Gravel is fine to coarse subangular to subrounded mudstone and sandstone. (TOPSOIL/MADE GROUND)		
D	0.80			(1.30)	E	Firm to stiff brownish grey and orangish brown gravelly CLAY. Gravel is fine to coarse angular to subrounded sandstone, mudstone and fusain coal. (MADE GROUND - OPENCAST BACKFILL)		
B	1.50		142.19	1.50	M	Grey and dark brown fine to coarse GRAVEL and COBBLES of angular to subangular mudstone and siltstone. (MADE GROUND - OPENCAST BACKFILL)		
			141.69	2.00		Very stiff brownish grey gravelly CLAY with occasional cobbles. Gravel is fine to coarse angular to subangular mudstone, fusain coal and siltstone. Cobbles are subangular mudstone and siltstone. (MADE GROUND - OPENCAST BACKFILL)		
B	2.50			(2.80)	M			
D	4.50		138.89	4.80				
End of Trial Pit at 4.80m								

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.50m
Width:	0.80m
Logged:	JW
Checked:	SD

TRIAL PIT LOG

TP1042

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 13/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 145.30m AOD **Coordinates** E 435502.05 N 399812.36 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		145.20	(0.10)	E	Soft dark brown slightly sandy slightly gravelly CLAY with occasional rootlets.		
			145.10	0.10	E	Gravel is fine to coarse subangular siltstone, mudstone and rare brick.		
				(0.10)		(TOPSOIL/MADE GROUND)		
				0.20		Firm orangish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone with rare cobbles of siltstone.		
						(MADE GROUND - OPENCAST BACKFILL)		
						Firm to stiff greyish brown rarely orangish brown slightly sandy slightly gravelly CLAY with rare cobbles. Gravel is fine to coarse subangular siltstone, mudstone and rare flint. Cobbles are subangular flint and siltstone.		
						(MADE GROUND - OPENCAST BACKFILL)		
						Below 0.80m bgl: stiff occasionally mottled orangish brown and grey.		
D	1.50							
ES	2.00							
				(3.80)	E			
B	3.00							
						Below 3.20m bgl: gravelly.		
D	4.00		141.30	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator

Groundwater: Seepage at 0.10m bgl.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1043

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 28/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 147.55m AOD **Coordinates** E 435452.57 N 399758.32 **Total Depth** 4.70m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10			(0.30)	E	Very soft brown silty slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular sandstone and rare brick. (TOPSOIL/MADE GROUND)		
			147.25	0.30		Firm brownish grey and grey slightly gravelly to gravelly silty CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded mudstone, ironstone, rare coal and siltstone. Cobbles are subangular mudstone and siltstone. (MADE GROUND - OPENCAST BACKFILL) <i>Between 0.30m and 0.60m bgl: rare rootlets.</i>		
D	1.00			(1.30)	E			
			145.95	1.60		Dark grey and grey locally brownish grey locally clayey slightly sandy GRAVEL with occasional to frequent cobbles. Gravel is fine to coarse angular to subangular mudstone and occasional siltstone. Cobbles are subangular mudstone and siltstone. (MADE GROUND - OPENCAST BACKFILL) <i>Between 1.60m and 2.60m bgl: occasional boulder sized pockets of very clayey material.</i>		
D	2.00					<i>Between 2.50m and 3.50m bgl: frequent cobbles.</i>		
D	3.00			(3.10)	E			
LB	4.00							
D	4.50							
ES	4.70		142.85	4.70		End of Trial Pit at 4.70m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Moderately stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.80m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1044 EAST

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 29/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 150.42m AOD **Coordinates** E 435371.71 N 399686.13 **Total Depth** 3.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D B	0.90 1.00		150.17	(0.25)	E	Very soft to soft brown silty slightly gravelly CLAY with rare rootlets. Gravel is subangular sandstone and rare brick fragments. (TOPSOIL/MADE GROUND)		
			149.92	(0.25)	E	Firm orangish brown locally brown slightly gravelly CLAY. Gravel is fine to coarse ironstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
				0.50		Greyish brown and grey silty locally slightly silty/clayey slightly fine sandy GRAVEL with occasional to frequent cobbles. Gravel is fine to coarse subangular mudstone and siltstone, rare sandstone and coal. Cobbles are subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL) <i>Between 0.50m and 1.00m bgl: clayey.</i>		
D	2.00			(2.50)	E	<i>From 2.00m bgl: frequent cobbles.</i>		
			147.42	3.00		End of Trial Pit at 3.00m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion. See also TP1044W log.

Length:	2.00m
Width:	0.60m
Logged:	FC
Checked:	SD

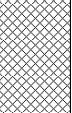
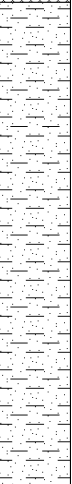
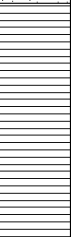
TRIAL PIT LOG

TP1044 WEST

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 29/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 150.42m AOD **Coordinates** E 435371.71 N 399686.13 **Total Depth** 3.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	1.00		150.22	(0.20) 0.20	E	Soft brown silty slightly gravelly CLAY with occasional rootlets. Gravel i fine to medium subangular siltstone and rare brick. (TOPSOIL/MADE GROUND)		
			149.82	(0.40) 0.60	E	Stiff grey silty gravelly CLAY with occasional cobbles. Gravel is subangular mudstone and siltstone and rare ironstone. (MADE GROUND - OPENCAST BACKFILL) <i>At 0.50m bgl: 1No. metal fragment/plate (120mm x 10mm x 450mm).</i>		
				(1.60)	E	Stiff very closely fissured/friable orangish brown slightly sandy CLAY with occasional mudstone and siltstone gravel sized lithorelicts. Occasional bands of strong/medium strong siltstone/fine grained sandstone. (PENNINE MIDDLE COAL MEASURES FORMATION) <i>Between 0.90m and 0.95m bgl: sandstone/siltstone band.</i> <i>Between 1.25m and 1.30m bgl: sandstone/siltstone band.</i>		
D	2.00		148.22	2.20	E-M	<i>At 2.00m bgl: western pit edge of natural, 1No root (approximately 10mm diameter).</i>		
				(0.80)		Extremely weak to weak very closely fissured/fractured grey locally orangish brown and dark grey MUDSTONE, recovered as fine to coarse tabular gravel and occasional cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.00		147.42	3.00		End of Trial Pit at 3.00m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion. See also TP1044E log.

Length:	1.60m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1045

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 03/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 149.91m AOD **Coordinates** E 435356.23 N 399643.14 **Total Depth** 4.50m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.60		149.61	(0.30)	E	Very soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to medium subangular sandstone, siltstone, rare ironstone and brick. (TOPSOIL/MADE GROUND)		
				0.30		Firm orangish brown mottled light grey slightly gravelly CLAY. Gravel is fine to medium occasionally coarse subangular mudstone, ironstone and rare coal. (MADE GROUND - OPENCAST BACKFILL)		
D	1.50		148.51	(1.10)	E			
				1.40		Brownish grey slightly clayey GRAVEL with occasional cobbles. Gravel is fine to coarse subangular to subrounded mudstone, siltstone, rare coal and ironstone. Cobbles are subangular (tabular) siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
D	2.30		147.91	(0.60)	E			
				2.00		Firm locally soft brownish grey and orangish brown mottled light grey and black slightly gravelly to gravelly CLAY with occasional cobbles. Gravel is fine to coarse angular to subangular mudstone and ironstone. Cobbles are subangular siltstone, mudstone and ironstone. (MADE GROUND - OPENCAST BACKFILL)		
LB	2.50							
D	3.50			(2.50)	E			
D	4.50		145.41	4.50		End of Trial Pit at 4.50m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.00m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1046

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 03/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 148.62m AOD **Coordinates** E 435301.17 N 399578.66 **Total Depth** 4.20m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
				(0.40)	E	Very soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse angular to subangular siltstone, sandstone and rare brick. (TOPSOIL/MADE GROUND)		
D LB	0.50 0.50		148.22	0.40		Soft locally firm friable brownish grey locally grey silty gravelly CLAY with occasional to frequent cobbles. Gravel is fine to coarse angular to subrounded mudstone, occasional siltstone and ironstone. Cobbles are subangular siltstone, mudstone and occasional ironstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.00							
B D	2.00 2.00							
				(3.80)	E	Below 2.00m bgl: locally boulder sized pockets of clayey gravel.		
D	3.00							
D	4.00							
			144.42	4.20		End of Trial Pit at 4.20m		

Method: 20T Tracked excavator

Groundwater: Fast inflow between 2.00m and 4.00m bgl.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.20m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1047

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 03/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 145.99m AOD **Coordinates** E 435300.80 N 399528.48 **Total Depth** 4.40m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		145.69	(0.30)	E	Very soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is subangular brick and siltstone. (TOPSOIL/MADE GROUND)		
				0.30	E	Firm grey mottled light grey and dark grey silty very gravelly CLAY. Gravel is fine to coarse subangular mudstone, siltstone and coal. (MADE GROUND - OPENCAST BACKFILL)		
				(0.50)		<i>Between 0.60m and 1.60m bgl: predominantly orangish brown.</i>		
D	1.80		145.19	0.80		Soft locally very soft locally firm grey, orangish brown and greyish brown slightly gravelly to gravelly silty CLAY with occasional cobbles. Gravel is fine to coarse angular to subangular mudstone, occasional siltstone and rare coal. Cobbles are subangular siltstone. (MADE GROUND - OPENCAST BACKFILL)		
ES LB	2.50							
D	2.50			(3.60)	E	<i>Between 2.60m and 2.80m bgl: 2No. cobble sized pockets of predominantly coal gravel.</i>		
D	2.80							
D	3.80					<i>Between 4.00m and 4.40m bgl: locally very soft, predominantly grey.</i>		
D	4.30		141.59	4.40		End of Trial Pit at 4.40m		

Method: 20T Tracked excavator

Groundwater: Moderate seepage in from southern trial pit side at 3.00m bgl and base.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	2.90m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1048

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 29/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 146.82m AOD **Coordinates** E 435349.80 N 399577.61 **Total Depth** 4.90m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
				(0.30)	E	Very soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to medium subangular sandstone, siltstone and rare brick. (TOPSOIL/MADE GROUND)		
ES	0.60		146.52	0.30		Greyish brown clayey GRAVEL with occasional to frequent cobbles. Gravel is fine to coarse subangular to subrounded mudstone, occasional coal and ironstone. (MADE GROUND - OPENCASE BACKFILL)		
D	0.80			(0.60)	E			
			145.92	0.90		Firm locally soft friable brownish grey, locally grey and dark grey silty gravelly locally very gravelly CLAY with occasional cobbles. Gravel is fine to coarse predominantly angular to subangular mudstone, occasional ironstone, coal and sandstone. Cobbles are subangular ironstone, siltstone and occasional mudstone. (MADE GROUND - OPENCASE BACKFILL)		
B	1.50							
D	1.50							
D	2.50							
				(4.00)	E			
D	3.30					Between 3.20m and 3.50m bgl: dark grey, includes coal content.		
D	4.50							
			141.92	4.90		End of Trial Pit at 4.90m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	FC
Checked:	SD

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10		149.53	(0.20) 0.20	E	Very soft to soft brown silty CLAY with rare rootlets and occasional pockets of decomposed straw (ploughed in). (TOPSOIL)		
D	1.00			(2.25)	E	Firm to stiff locally friable orangish brown mottled light grey and locally dark grey silty CLAY with occasional thin bands of medium strong siltstone/fine sandstone. (PENNINE MIDDLE COAL MEASURES FORMATION) <i>Between 0.45m and 0.80m bgl: 2No. bands of sandstone/siltstone.</i>		
LB	1.50					<i>Between 1.10m and 1.25m bgl: intermittent band of sandstone/siltstone.</i>		
D	2.00					<i>Between 1.40m and 1.45m bgl: 1No. band of sandstone/siltstone.</i>		
			147.28	2.45		<i>Below 1.60m bgl: locally stiff and extremely closely fissured.</i>		
LB	3.00			(1.90)	M	Extremely weak grey and greyish brown silty MUDSTONE recovered as fine to coarse subangular tabular gravel and occasional to frequent cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.50				M-H	<i>From 3.80m bgl: locally very weak and occasional thin siltstone bands.</i>		
D	4.30		145.38	4.35		End of Trial Pit at 4.35m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length: 3.20m

Width: 0.60m

Logged: FC

Checked: SD

TRIAL PIT LOG

TP1050

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 30/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 148.29m AOD **Coordinates** E 435440.94 N 399694.22 **Total Depth** 4.60m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.60		147.94	(0.35)	E	Very soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone, sandstone, rare brick and coal fragments. (TOPSOIL/MADE GROUND)		
				0.35		Firm friable grey, brownish grey locally orangish brown slightly sandy silty gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular mudstone, occasional ironstone and siltstone. Cobbles are subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.00			(1.65)	E			
D	2.20		146.29	2.00		Grey locally brownish grey slightly clayey locally clayey GRAVEL and frequent cobbles. Gravel is fine to coarse subangular mudstone and siltstone. Cobbles are subangular tabular of siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
D	3.30			(2.60)	E	Below 3.00m bgl: occasional cobbles.		
LB	4.00							
			143.69	4.60		End of Trial Pit at 4.60m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.20m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1051

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 03/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 144.42m AOD **Coordinates** E 435538.15 N 399767.40 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.30		144.22	(0.20)	E	Soft dark brown slightly sandy slightly gravelly CLAY with rare rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick. (TOPSOIL/MADE GROUND)		
				0.20	E	Stiff orangish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone. (MADE GROUND - OPENCAST BACKFILL)		
D ES	1.00		143.92	0.50	E	Firm friable brownish grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
				(0.70)	E	<i>Below 1.00m bgl: grey.</i>		
LB	1.50		143.22	1.20		Grey slightly sandy clayey GRAVEL. Gravel is fine to coarse subangular siltstone and mudstone with rare cobbles of siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		▼
D	2.00							
D	2.80			(2.80)	E	<i>Between 2.50m and 3.00m bgl: greyish brown.</i>		
B	3.50							
D	4.00		140.42	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator
Groundwater: Seepage at 1.20m bgl.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.90m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1052

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 03/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 145.94m AOD **Coordinates** E 435499.11 N 399743.33 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
				(0.20)	E	Soft dark brown slightly sandy slightly gravelly CLAY with rare rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick.		
			145.74	0.20		(TOPSOIL/MADE GROUND)		
D	0.40			(0.30)	E	Stiff orangish brown occasionally mottled light grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone.		
			145.44	0.50		(MADE GROUND - OPENCAST BACKFILL)		▼
D	0.80			(0.50)	E	Firm brownish grey slightly sandy gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone.		
						(MADE GROUND - OPENCAST BACKFILL)		
			144.94	1.00		Brownish grey sandy clayey fine to coarse GRAVEL. Occasional cobbles of subangular siltstone and mudstone.		
						(MADE GROUND - OPENCAST BACKFILL)		
B	2.00							
ES	2.20							
				(3.00)	E	Below 2.50m bgl: slightly clayey.		
D	3.00							
LB	3.50							
D	4.00		141.94	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator

Groundwater: Slight seepage at 0.50m bgl.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.70m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1053

Project	Hoyland Common, Barnsley
----------------	--------------------------

Project No.

AG3080-19

Client Newlands Developments

Sheet

1 of 1

Date 13/02/2020

Scale

1:25

Ground Level 142.95m AOD

Coordinates E 435584.82 N 399843.49

Total Depth

4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.15		142.85	(0.10)		Soft dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick.		
			142.75	(0.10)		(TOPSOIL/MADE GROUND)		
				0.20		Firm orangish brown mottled brown and occasionally light grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone.		
D	0.60			(0.80)		(MADE GROUND - OPENCAST BACKFILL)		
						Firm to stiff greyish brown mottled orangish brown and light grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular to subangular siltstone and mudstone.		
						(MADE GROUND - OPENCAST BACKFILL)		
ES	1.20		141.95	1.00		Grey and dark grey gravelly clayey SAND. Gravel is fine to coarse subangular siltstone and mudstone.		
						(MADE GROUND - OPENCAST BACKFILL)		
B	2.00					<i>Below 1.80m bgl: rare coal.</i>		
				(3.00)				
D	3.50							
			138.95	4.00				
						End of Trial Pit at 4.00m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length: 3.50m

Width: 0.60m

Logged: TWC

Checked: SD

TRIAL PIT LOG

TP1054

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 04/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 142.20m AOD **Coordinates** E 435603.35 N 399805.64 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		142.05	(0.15)	E	Soft dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick. (TOPSOIL/MADE GROUND)		
				0.15	E	Firm to stiff orangish brown and brown occasionally mottled grey slightly sandy slightly gravelly CLAY with rare subangular mudstone lithorelicts. Gravel is fine to coarse subangular siltstone. (MADE GROUND - OPENCASE BACKFILL)		
D	1.50		141.20	(0.85)	E			
				1.00		Brownish grey, occasionally grey sandy clayey GRAVEL with frequent cobbles of subangular siltstone and mudstone. Gravel is fine to coarse subangular siltstone and mudstone. (MADE GROUND - OPENCASE BACKFILL)		
B	2.50			(3.00)	E	Below 1.80m bgl: occasional pockets of greyish brown slightly sandy slightly gravelly clay (up to 50mm in size).		
ES	3.00					Below 3.00m bgl: brownish grey and grey.		
D	3.50							
			138.20	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

TP1055

Project No. AG3080-19

Sheet 1 of 1

Scale 1:25

Coordinates E 435542.78 N 399742.15

Total Depth 4.00m

Method: 20T Tracked excavator
Groundwater: Seepage at 0.20m bgl.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.90m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1056

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 30/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 145.66m AOD **Coordinates** E 435506.98 N 399717.10 **Total Depth** 4.20m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10			(0.30)	E	Very soft brown slightly gravelly silty CLAY with rare rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick. (TOPSOIL/MADE GROUND)		
D	0.40		145.36	0.30				
LB	0.50			(0.50)	E	Firm orangish brown silty slightly gravelly CLAY. Gravel is fine to coarse subangular mudstone, ironstone and sandstone. (MADE GROUND - OPENCAST BACKFILL)		
			144.86	0.80				
D	1.00					Firm locally soft greyish brown and grey slightly sandy locally silty gravelly to very gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular mudstone and occasional siltstone and ironstone. Cobbles are subangular mudstone. (MADE GROUND - OPENCAST BACKFILL)		
D	2.00							
				(3.40)	E	Between 2.50m and 3.50m bgl: frequent cobbles.		
D	3.00							
ES	4.00							
			141.46	4.20				
						End of Trial Pit at 4.20m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Poor stability, side collapse. At 4.20m bgl collapsed back to 3.00m bgl, whole side failure.

Remarks: Trial pit backfilled with arisings on completion.

Length:	2.95m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1057

Project Hoyland Common, Barnsley

Project No.

AG3080-19

Client Newlands Developments

Sheet

1 of 1

Date 29/01/2020

Scale

1:25

Ground Level 148.77m AOD

Coordinates

E 435417.34 N 399643.79

Total Depth

4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	1.00		148.52	(0.25)	E	Very soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse angular to subangular sandstone, mudstone and rare brick and ironstone nodules.		
				0.25		(TOPSOIL/MADE GROUND)		
				(0.20)	E	Firm locally closely fissured orangish brown mottled reddish brown mottled reddish brown slightly sandy CLAY with rare rootlets. Sand is fine to medium.		
				0.45		(MADE GROUND - OPENCAST BACKFILL)		
D	2.00			(3.55)	E	Brownish grey and grey silty/clayey slightly sandy GRAVEL with occasional cobbles. Gravel is fine to coarse subangular predominantly mudstone, occasional siltstone and rare sandstone and coal. Cobbles are subangular siltstone and mudstone.		
						(MADE GROUND - OPENCAST BACKFILL)		
B	3.00							
ES	3.50							
D	4.00		144.77	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered, slightly damp below 3.20m bgl.

Stability: Stable, slight side spalling after 20 minutes.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.20m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1058

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 29/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 147.65m AOD **Coordinates** E 435399.40 N 399604.43 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		147.35	(0.30)	E	Soft brown silty slightly gravelly CLAY with occasional rootlets. Gravel is subangular sandstone and siltstone. (TOPSOIL)		
				0.30	E	Firm friable orangish brown mottled occasionally light grey silty slightly fine sandy CLAY with occasional thin medium strong sandstone/siltstone bands. (PENNINE MIDDLE COAL MEASURES FORMATION) <i>Between 0.50m and 0.58m bgl: thin band of siltstone/sandstone.</i> <i>Between 0.70m and 0.80m bgl: thin band of siltstone/sandstone.</i>		
D	1.00		146.75	(0.60)	E			
				0.90		Stiff closely fissured light grey locally orangish brown silty CLAY with rare rootlets. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	1.70		146.10	(0.65)				
				1.55		Firm friable extremely closely fissured light grey mottled orangish brown CLAY with frequent fine gravel sized mudstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	2.50		145.65	(0.45)	E			
				2.00	E	Extremely weak extremely closely fissured/fractured dark grey, grey and orangish brown MUDSTONE recovered as tabular fine to medium gravel and occasional cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
B	3.50			(2.00)	E			
D	3.80		143.65		M	<i>From 3.80m bgl: gravel becoming occasionally coarse and dark grey.</i>		
				4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator
Groundwater: Slight seepage from 2.00m bgl.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.00m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1059

Project Hoyland Common, Barnsley

Project No.

AG3080-19

Client Newlands Developments

Sheet

1 of 1

Date 04/02/2020

Scale

1:25

Ground Level 144.51m AOD

Coordinates

E 435356.92 N 399531.31

Total Depth

4.65m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		144.21	(0.30)	E	Very soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse subangular to subrounded sandstone, siltstone, ironstone and rare brick fragments. (TOPSOIL/MADE GROUND)		
				0.30	E	Firm orangish brown mottled grey slightly gravelly slightly fine sandy CLAY with rare cobbles. Gravel is fine to coarse subangular to subrounded mudstone and ironstone. (MADE GROUND - OPENCAST BACKFILL)		
ES	1.00		143.61	0.90		Firm locally friable brown orangish brown and grey silty gravelly CLAY with occasional to frequent cobbles. Gravel is fine to coarse subangular mudstone, siltstone, coal and rare ironstone. Cobbles are subangular mudstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.50							
D	2.50							
B	3.50							
D	4.50		139.86	4.65				
						End of Trial Pit at 4.65m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.20m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1060

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 03/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 144.70m AOD **Coordinates** E 435403.07 N 399557.30 **Total Depth** 4.25m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20		144.35	(0.35)	E	Very soft to soft brown silty slightly gravelly CLAY with rare rootlets. Gravel is fine to medium subangular siltstone, sandstone and rare brick. (TOPSOIL/MADE GROUND)		
D	0.80			0.35		Firm locally soft orangish brown locally grey and black slightly gravelly to gravelly silty CLAY with rare cobbles. Gravel is fine to coarse subangular mudstone, coal and siltstone. Cobbles are subangular siltstone. (MADE GROUND - OPENCASE BACKFILL)		
D	1.80			(1.55)	E			
B	2.00		142.80	1.90		Firm friable greyish brown and grey gravelly silty CLAY with occasional to frequent cobbles. Gravel is fine to coarse subangular mudstone, siltstone, ironstone and col. Cobbles are subangular mudstone and ironstone. (MADE GROUND - OPENCASE BACKFILL)		
D	2.80			(2.10)	E			
D	3.80		140.70	4.00	E	Black fusain semi-dull COAL, recovered as fine to coarse subangular to angular gravel. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			140.50	4.20	E-M	Extremely weak light grey SILTSTONE recovered as silty fine to coarse gravel. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			140.45	(0.05)				
				4.25		End of Trial Pit at 4.25m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.20m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1061

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 04/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 142.56m AOD **Coordinates** E 435338.52 N 399477.85 **Total Depth** 4.80m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20		142.16	(0.40) 0.40	E	Very soft to soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone, mudstone, rare coal and brick. (TOPSOIL/MADE GROUND)		
D LB	0.90 1.00					Soft friable brown mottled grey gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded mudstone, rare coal and sandstone. Cobbles are fine to coarse subangular mudstone and siltstone. (MADE GROUND - OPENCASE BACKFILL) <i>Between 0.70m and 0.75m bgl: thin band of coal gravel.</i>		
ES	1.50			(2.40)	E			
D	3.00		139.76	2.80 (0.85)	E	Soft to firm yellowish brown mottled light grey locally silty CLAY, locally with pockets of disturbed material. (MADE GROUND - OPENCASE BACKFILL)		
D	4.00		138.91 138.71	3.65 (0.20) 3.85 (0.25)	E M	Firm to stiff extremely closely fissured grey and dark grey silty CLAY with thin laminae of coal. (PENNINE MIDDLE COAL MEASURES FORMATION) <i>Between 3.65m and 3.70m bgl: thin band of coal.</i>		
D	4.30		138.46	4.10 (0.35)	M	Extremely weak SILTSTONE recovered as slightly silty gravel. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			138.11	4.45 (0.35)		Black predominantly clarain semi-bright COAL, recovered as predominantly coarse gravel and cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION - DUNSIL SEAM)		
			137.76	4.80		Extremely weak SILTSTONE recovered as slightly silty gravel. (PENNINE MIDDLE COAL MEASURES FORMATION)		
						End of Trial Pit at 4.80m		

Method: 20T Tracked excavator
Groundwater: Slight seepage at 2.00m bgl.
Stability: From ground level to 0.65m bgl unstable but below 0.65m bgl stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.10m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1062

Project Hoyland Common, Barnsley

Project No.

AG3080-19

Client Newlands Developments

Sheet

1 of 1

Date 04/02/2020

Scale

1:25

Ground Level 143.09m AOD

Coordinates

E 435312.72 N 399472.41

Total Depth

3.80m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		142.79	(0.30)	E	Very soft to soft brown silty slightly gravelly CLAY with occasional rootlets. Gravel is fine to medium subangular sandstone, brick and coal. (TOPSOIL/MADE GROUND)		
				0.30		Firm locally friable greyish brown and grey gravelly CLAY. Gravel is fine to coarse subangular mudstone, ironstone and rare coal. (MADE GROUND - OPENCAST BACKFILL)		
D	1.50		141.64	(1.15)	E			
				1.45		Firm to stiff orangish brown mottled light grey becoming predominantly grey locally silty CLAY with rare fine to medium gravel sized lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION) <i>Between 1.45m and 1.65m bgl: soft to firm.</i>		
D	2.20		140.94	(0.70)	E			
				2.15		Black predominantly fusain locally clarain semi-bright COAL, recovered as slightly sandy fine to medium gravel. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	2.80		140.39	(0.55)	E			
				2.70		Firm friable extremely closely fissured grey and dark grey silty CLAY with occasional fine to medium mudstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.50		139.99	(0.40)	E			
				3.10		Black fusain and durain semi-dull COAL, recovered as slightly sandy fine to medium subangular gravel. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.80		139.54	(0.45)	E			
				3.55		Extremely weak light grey and reddish/orangish brown SILTSTONE recovered as silty gravel and cobbles (tabular). (PENNINE MIDDLE COAL MEASURES FORMATION) <i>Between 3.70m and 3.80m bgl: band of weak ironstone.</i>		
			139.29	3.80	E-M M-H	End of Trial Pit at 3.80m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length: 2.70m

Width: 0.60m

Logged: FC

Checked: SD

TRIAL PIT LOG

TP1063

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 30/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 145.99m AOD **Coordinates** E 435445.65 N 399593.26 **Total Depth** 3.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		145.69	(0.30) 0.30	E	Soft brown slightly gravelly slightly sandy CLAY with occasional rootlets. Gravel is fine to coarse subangular sandstone, siltstone and rare brick fragments. (TOPSOIL/MADE GROUND)		
			145.39	(0.30) 0.60	E	Firm orangish brown slightly gravelly slightly sandy CLAY. Gravel is fine to medium occasionally coarse subangular sandstone, ironstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.00					Firm locally soft friable greyish brown and dark grey silty gravelly to very gravelly CLAY with occasional cobbles. Gravel is subangular predominantly mudstone. Cobbles are subangular mudstone and siltstone. (MADE GROUND - OPENCAST BACKFILL)		
ES	1.50							
B D	2.00 2.00			(2.40)	E			
D	3.00		142.99	3.00		End of Trial Pit at 3.00m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Very poor stability, whole side collapse then both sides from 3.00m bgl.

Remarks: Trial pit backfilled with arisings on completion.

Length:	2.70m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1064

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 30/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 145.98m AOD **Coordinates** E 435483.75 N 399643.32 **Total Depth** 4.20m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
			145.73	(0.25) 0.25	E	Very soft brown slightly gravelly CLAY with occasional rootlets. Gravel is subangular brick, siltstone and occasional ironstone. (TOPSOIL/MADE GROUND)		
D	0.40					Grey and locally orangish brown/dark grey slightly sandy silty/clayey GRAVEL with occasional to frequent cobbles. Gravel is fine to coarse subangular predominantly mudstone and occasional siltstone. Cobbles are subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL) <i>Between 0.25m and 0.50m bgl: very clayey.</i>		
D	0.90							
D	1.90							
				(3.95)	E			
LB	3.00							
D	3.90							
			141.78	4.20		End of Trial Pit at 4.20m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Poor stability in places and spalling.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.10m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1065

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 04/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 142.66m AOD **Coordinates** E 435562.26 N 399697.75 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		142.41	(0.25)	E	Soft dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick. (TOPSOIL/MADE GROUND)		
				0.25				
B	1.00			(0.45)	E	Stiff orangish brown mottled brown and occasionally grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone. (MADE GROUND - OPENCAST BACKFILL)		
			141.96	0.70				
ES	1.50					Stiff grey mottled greyish brown and orangish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
				(1.50)	E			
D	2.00							
			140.46	2.20		Grey occasionally brownish grey slightly sandy very clayey GRAVEL. Gravel is fine to coarse subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
D	3.00							
				(1.80)	E	Below 3.20m bgl: grey.		
D	4.00		138.66	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1066

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 03/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 142.32m AOD **Coordinates** E 435599.18 N 399773.62 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		142.12	(0.20)	E	Soft dark brown slightly sandy slightly gravelly CLAY with rare rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick. (TOPSOIL/MADE GROUND)		
				0.20	E	Stiff orangish brown mottled brown and rare grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone. (MADE GROUND - OPENCAST BACKFILL)		
			141.72	(0.40)	E	Brownish grey sandy clayey GRAVEL. Gravel is fine to coarse subangular siltstone and mudstone with frequent cobbles of siltstone. (MADE GROUND - OPENCAST BACKFILL)		
LB	1.00							
ES	1.20							
D	1.50							
				(2.20)	SH	At 2.00m bgl: boulder (0.55 x 0.30 x 0.40m).		
			139.52	2.80		Stiff orangish brown mottled brown light grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
D	3.50			(1.20)	E			
			138.32	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Collapse between 0.60m and 2.80m bgl.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.90m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1067

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 04/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 140.70m AOD **Coordinates** E 435644.92 N 399791.60 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.40		140.60	(0.10)	E	Soft dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick. (TOPSOIL/MADE GROUND)		
				(0.40)	E	Stiff orangish brown and brown occasionally mottled grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone. (MADE GROUND - OPENCAST BACKFILL)		
			140.20	0.50		Stiff greyish brown rarely orangish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone with rare cobbles of siltstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.00			(1.20)	E			
B	2.00		139.00	1.70		Grey slightly sandy clayey GRAVEL. Gravel is fine to coarse subangular siltstone and mudstone with occasional cobbles of siltstone. (MADE GROUND - OPENCAST BACKFILL)		
ES	3.00			(2.30)	E	Below 2.70m bgl: occasionally brownish grey.		
D	4.00		136.70	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator
Groundwater: Slight seepage at 0.10m bgl.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1068

Project	Hoyland Common, Barnsley
----------------	--------------------------

Project No. AG3080-19

Client Newlands Developments

Sheet 1 of 1

Date 06/02/2020

Scale 1:25

Ground Level 140.27m AOD

Coordinates E 435711.37 N 399840.59

Total Depth 3.90m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10			(0.30)	E	Very soft to soft dark brown silty slightly gravelly CLAY with frequent rootlets. Gravel is fine to coarse subangular to subrounded siltstone, rare coal and brick. (TOPSOIL/MADE GROUND)		
D	0.50		139.97	0.30		Firm friable grey locally brownish grey silty gravelly CLAY with occasional to frequent cobbles. Gravel is fine to coarse subangular mudstone siltstone and rare ironstone. Cobbles are subangular mudstone and siltstone. (MADE GROUND - OPENCASE BACKFILL) <i>Between 0.30m and 0.70m bgl: predominantly orangish brown slightly gravelly.</i>		
B D	0.90 1.00							
D	2.00			(3.60)	E			
ES	3.00							
D	3.60		136.37	3.90				
						End of Trial Pit at 3.90m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length: 2.90m

Width: 0.60m

Logged: FC

Checked: SD

TRIAL PIT LOG

TP1069

Project Hoyland Common, Barnsley

Project No.

AG3080-19

Client Newlands Developments

Sheet

1 of 1

Date 03/02/2020

Scale

1:25

Ground Level 140.71m AOD

Coordinates

E 435642.90 N 399758.95

Total Depth

4.20m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.30		140.61	(0.10)	E	Soft dark brown slightly sandy slightly gravelly CLAY with rare rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick.		
				0.10		(TOPSOIL/MADE GROUND)		
D	1.00		140.31	(0.30)	E	Stiff orangish brown mottled brown and grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone.		
				0.40		(MADE GROUND - OPENCAST BACKFILL)		
D	1.50		139.31	1.40	E	Firm to stiff brown slightly sandy gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone.		
						(MADE GROUND - OPENCAST BACKFILL)		
ES	2.00							
LB	2.50							
D	3.50			(2.80)		Brownish grey slightly sandy clayey GRAVEL. Gravel is fine to coarse subangular siltstone and mudstone with frequent cobbles of siltstone, sandstone and mudstone.		
						(MADE GROUND - OPENCAST BACKFILL)		
						Below 2.20m bgl: occasionally greyish brown and cobbles.		
			136.51	4.20		End of Trial Pit at 4.20m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.90m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1070

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 04/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 140.96m AOD **Coordinates** E 435611.53 N 399705.21 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10		140.76	(0.20) 0.20	E	Soft dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick. (TOPSOIL/MADE GROUND)		
D	0.60			(0.60)	E	Stiff brown mottled orangish brown and brownish grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone. (MADE GROUND - OPENCAST BACKFILL)		▼
			140.16	0.80				
				(1.00)	E	Stiff brownish grey occasionally mottled orangish brown and grey slightly sandy gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.50							
			139.16	1.80				
						Grey sandy clayey GRAVEL. Gravel is fine to coarse subangular siltstone and mudstone with rare cobbles of siltstone. (MADE GROUND - OPENCAST BACKFILL)		
B	2.50							
				(2.20)	E			
						Below 3.00m bgl: slightly sandy clayey with occasional greyish brown.		
D	3.50							
			136.96	4.00				
						End of Trial Pit at 4.00m		

Method: 20T Tracked excavator

Groundwater: Slight seepage below 0.50m bgl.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1071

Project Hoyland Common, Barnsley

Project No.

AG3080-19

Client Newlands Developments

Sheet

1 of 1

Date 04/02/2020

Scale

1:25

Ground Level 141.49m AOD

Coordinates

E 435582.92 N 399658.84

Total Depth

4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.40		141.24	(0.25)	E	Soft dark brown slightly sandy slightly gravelly CLAY with occasional roots. Gravel is fine to coarse subangular siltstone, mudstone and rare brick. (TOPSOIL/MADE GROUND)		▼
				0.25		Stiff orangish brown mottled light grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.00		140.89	(0.35)	E	Grey rarely brownish grey sandy clayey GRAVEL. Gravel is fine to coarse subangular siltstone and mudstone with occasional cobbles of siltstone. (MADE GROUND - OPENCAST BACKFILL)		
				0.60				
ES	1.50							
D	2.00							
B	3.00			(3.40)	E	Between 2.80m and 3.60m bgl: greyish brown.		
D	4.00		137.49	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator

Groundwater: Slight seepage between 0.25m and 0.60m bgl.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1072

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 10/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 140.88m AOD **Coordinates** E 435348.12 N 399453.11 **Total Depth** 4.10m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.05		140.78	(0.10) 0.10		Soft dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse siltstone, mudstone and rare brick. (TOPSOIL/MADE GROUND)		
D	1.00					Firm greyish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular to subangular siltstone and mudstone rare cobbles of mudstone and siltstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.00							
				(2.50)				
B	2.00							
			138.28	2.60		Stiff orangish brown mottled light grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	2.80			(0.40)				
D	2.80		137.88	3.00		Dark grey vitrain COAL recovered as dark grey slightly sandy gravel. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.50			(1.10)				
			136.78	4.10		At 4.10m bgl: end of coal seam.		
						End of Trial Pit at 4.10m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered. Flow from surface water.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1073

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 11/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 134.07m AOD **Coordinates** E 435354.37 N 399332.63 **Total Depth** 4.50m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.40		133.97	(0.10)	E	Soft dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick. (TOPSOIL/MADE GROUND)		
				0.10				
				(0.40)	E	Firm brownish grey mottled grey and occasionally orangish brown slightly sandy slightly gravelly CLAY. Gravel s fine to coarse subangular siltstone and mudstone with occasional cobbles. (MADE GROUND - OPENCAST BACKFILL)		
			133.57	0.50		Stiff orangish brown and grey slightly sandy slightly gravelly CLAY with rare cobbles. Gravel is fine to coarse angular to subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
ES	1.50					Below 1.50m bgl: firm.		
D	2.00							
				(4.00)	E	Below 2.50m bgl: greyish brown and grey mottled orangish brown.		
B	3.00							
D	4.00							
			129.57	4.50		End of Trial Pit at 4.50m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1074

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 12/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 134.65m AOD **Coordinates** E 435408.31 N 399389.13 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.40		134.55	(0.10) 0.10	E	Soft dark brown slightly gravelly silty CLAY with rare rootlet. Gravel is fine to coarse subangular sandstone, coal and brick. (TOPSOIL/MADE GROUND)		
				(0.60)		Stiff orangish brown mottled silty CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	1.00		133.95	0.70	E	Between 0.50m and 0.60m bgl: layer of coal recovered as slightly sandy fine to coarse angular to subangular gravel.		
						Stiff tending to very stiff friable extremely closely to very closely fissured interbedded orange-brown tending to grey-brown and grey silty CLAY and SILT with frequent gravel and cobble sized subangular mudstone and siltstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
ES	2.00			(2.60)	E			
B	3.00							
D	4.00		131.35	3.30	M-H	Extremely weak grey SILTSTONE recovered as slightly sandy silty fine to coarse angular to subangular gravel. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				(0.70)				
			130.65	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator
Groundwater: Seepage at 3.30m bgl.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

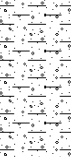
TRIAL PIT LOG

TP1075

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 12/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 137.35m AOD **Coordinates** E 435462.93 N 399436.62 **Total Depth** 3.60m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.05		137.25	(0.10) 0.10	E	Soft dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick. (TOPSOIL/MADE GROUND)		
D	0.50			(0.70)	E	Stiff orangish brown mottled light grey occasionally brown slightly sandy slightly gravelly CLAY with rare tabular cobbles of siltstone and mudstone. Gravel is fine to coarse subangular siltstone, mudstone. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	0.85		136.55 136.45	0.80 (0.10) 0.90 (0.30)	E	Black and dark grey fusain COAL recovered as slightly sandy fine to medium angular to subangular gravel. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	1.10		136.15	1.20		Stiff light grey occasionally mottled orangish brown slightly sandy CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
B	2.00			(2.40)	H	Extremely weak greyish brown SILTSTONE, recovered as sandy clayey gravel. Gravel is fine to coarse angular to subangular siltstone with rare tabular cobbles of siltstone. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.50		133.75	3.60		End of Trial Pit at 3.60m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Refusal at 3.60m bgl unable to penetrate. Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

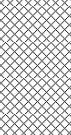
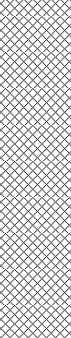
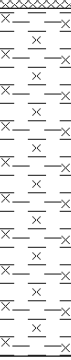
TRIAL PIT LOG

TP1076

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 21/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 139.52m AOD **Coordinates** E 435494.92 N 399504.13 **Total Depth** 3.90m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
			139.32	(0.20) 0.20	E	Very soft dark brown slightly gravelly CLAY with frequent rootlets. Gravel is fine to coarse subangular to rounded sandstone, siltstone and rare brick fragments. (TOPSOIL/MADE GROUND)		
D	0.70					Firm to stiff light grey mottled orangish brown slightly fine sandy silty slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse angular to subangular mudstone, siltstone and sandstone. Cobbles are subangular predominantly sandstone. (MADE GROUND - OPENCAST BACKFILL)		
ES	1.00			(1.60)	E	Between 1.00m and 1.80m bgl: increasing cobble content.		
D	1.50							
			137.72	1.80		Stiff to very stiff extremely closely to very closely fissured friable grey and brownish grey silty CLAY with frequent fine to coarse subangular mudstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	2.50			(1.15)	E			
			136.57	2.95		Extremely weak to very weak very closely spaced fractured light grey and grey locally stained orangish brown MUDSTONE. Recovered as fine to coarse subangular gravel with occasional cobbles, gravel recovered is tabular. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.50			(0.95)	E-M	At 3.40m bgl: 1No band (<100mm thick) of medium strong ironstone.		
			135.62	3.90		End of Trial Pit at 3.90m		

Method: 20T Tracked excavator
Groundwater: Slight seepage at 2.40m bgl.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.50m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1077

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 20/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 141.72m AOD **Coordinates** E 435542.47 N 399569.92 **Total Depth** 5.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D ES	1.00 1.00		141.27	(0.45) 0.45	E	Very soft dark brown and brown slightly sandy slightly gravelly CLAY with frequent rootlets. Sand is fine to medium. Gravel is fine to coarse subangular to angular siltstone, quartzite and rare brick. (TOPSOIL/MADE GROUND)		
						Firm friable orangish brown, brown and grey slightly sandy gravelly CLAY with occasional to frequent cobbles. Gravel is fine to coarse angular to subangular mudstone, siltstone and sandstone. Cobbles are subangular siltstone and sandstone. (MADE GROUND - OPENCASE BACKFILL)		
D LB D	2.50 2.50 2.60		139.72	(1.55) 2.00	E	Grey and brown slightly clayey locally clayey GRAVEL with occasional to frequent cobbles. Gravel is fine to coarse subangular mudstone and rare siltstone. Cobbles are subangular siltstone, sandstone and mudstone. (MADE GROUND - OPENCASE BACKFILL)		
D	3.60			(3.00)	E			
			136.72	5.00		End of Trial Pit at 5.00m		

Method: 20T Tracked excavator
Groundwater: Seepage from 4.20m bgl through to base.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.80m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1078

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 04/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 139.39m AOD **Coordinates** E 435630.53 N 399664.66 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10		139.19	(0.20) 0.20	E	Soft to firm dark brown slightly sandy slightly gravelly CLAY with rare rootlets. Gravel is fine to coarse subangular mudstone, siltstone and rare brick. (TOPSOIL/MADE GROUND)		
D	0.50		138.69	(0.50) 0.70	E	Stiff orangish brown mottled brown and light grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone with cobbles of siltstone. (MADE GROUND - OPENCASE BACKFILL)		
D	1.00					Brownish grey slightly sandy very clayey GRAVEL. Gravel is fine to coarse subangular siltstone and mudstone with occasional cobbles of mudstone and siltstone. (MADE GROUND - OPENCASE BACKFILL)		
B	2.00					Between 1.50m to 2.00m bgl: occasional cobbles and 1No boulder of siltstone (0.40 x 0.30 x 0.20m).		
						Between 2.00m and 2.30m bgl: sandy and clayey.		
				(3.30)	E	Below 2.70m bgl: occasionally mottled orangish brown.		
D	3.00							
D	4.00		135.39	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

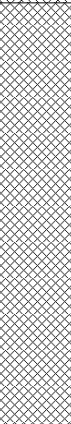
TRIAL PIT LOG

TP1079

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 23/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 138.97m AOD **Coordinates** E 435662.75 N 399712.74 **Total Depth** 3.20m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.80		138.57	(0.40)	E	Very soft dark brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone and rare brick. (TOPSOIL/MADE GROUND)		
				0.40		Firm greyish brown dark grey slightly gravelly to gravelly CLAY with frequent cobbles. Cobbles are angular to subangular sandstone, mudstone and siltstone. Gravel is subangular mudstone, siltstone and rare coal. (MADE GROUND - OPENCAST BACKFILL) <i>Between 0.40m and 0.90m bgl: occasional cobbles.</i>		
D	1.70		137.17	(1.40)	E			
D	2.60			(1.80)	E-M	Greyish brown and grey slightly clayey GRAVEL and COBBLES. Gravel is fine to coarse subangular predominantly coarse mudstone and occasional siltstone. Cobbles are subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
				(1.40)		<i>From 2.80m bgl: occasional boulders (0.50 x 0.20 x 0.30m) of siltstone.</i>		
D	3.20		135.77	3.20		End of Trial Pit at 3.20m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Spalling from 1.80m bgl.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.80m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1080

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 23/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 137.45m AOD **Coordinates** E 435704.99 N 399740.42 **Total Depth** 4.20m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.30		137.05	(0.40) 0.40	E	Very soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse subangular to subrounded siltstone, sandstone and rare brick fragments. (TOPSOIL/MADE GROUND)		
D	0.60					Soft greyish brown and grey locally dark grey slightly gravelly to gravelly CLAY with occasional to frequent cobbles. Cobbles are subangular sandstone and siltstone. Gravel is fine to coarse angular to subangular sandstone, mudstone, siltstone, rare coal and ironstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.60							
				(3.80)	E	From 2.50m bgl: friable and with frequent cobbles.		
B D	3.50 3.60					From 3.50m bgl: gravel content increases.		
			133.25	4.20		End of Trial Pit at 4.20m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.80m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1081

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 06/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 138.00m AOD **Coordinates** E 435752.51 N 399792.42 **Total Depth** 3.50m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20		137.70	(0.30) 0.30	E	Very soft dark brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse subangular brick fragments, siltstone and sandstone. (TOPSOIL/MADE GROUND)		
D	0.60					Soft to firm grey and greyish brown slightly sandy very gravelly CLAY with occasional to frequent cobbles and rare boulders. Gravel is fine to coarse subangular to subrounded mudstone, rare coal and siltstone. Cobbles are subangular siltstone and mudstone. (MADE GROUND - OPENCASE BACKFILL)		
ES	1.00					<i>At 0.80m bgl: 1No. boulder of subangular sandstone/siltstone (0.50 x 0.30 x 0.25m).</i>		
B D	1.50 1.50							
				(3.20)	E			
D	2.50							
D	3.50		134.50	3.50		End of Trial Pit at 3.50m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered
Stability: Moderate to poor stability.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.80m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1082

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 16/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 138.68m AOD **Coordinates** E 435842.87 N 399798.03 **Total Depth** 3.70m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.30		138.53	(0.15)		Very soft brown slightly sandy CLAY with frequent rootlets. (TOPSOIL)		
				0.15		Firm locally friable light orangish brown mottled light grey silty CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	0.60							
				(1.25)				
D	1.30					At 1.20m bgl: becoming stiff.		
			137.28	1.40		Stiff closely fissured light grey locally light orangish brown CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	1.80			(1.10)				
			136.18	2.50		Very stiff/hard very closely to closely fissured grey locally stained orangish brown CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	2.80			(1.20)				
						At 3.30m bgl: tending to mudstone.		
D	3.50							
			134.98	3.70		End of Trial Pit at 3.70m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.50m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1083

Project Hoyland Common, Barnsley

Project No.

AG3080-19

Client Newlands Developments

Sheet

1 of 1

Date 15/01/2020

Scale

1:25

Ground Level 137.16m AOD

Coordinates

E 435698.08 N 399699.38

Total Depth

4.20m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.30		136.76	(0.40) 0.40	E	Very soft dark brown and greyish brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to medium subangular mudstone and siltstone. (TOPSOIL/MADE GROUND)		
B D ES	1.00 1.00 1.00			(1.55)	E	Firm locally soft dark grey, grey and brown slightly gravelly silty CLAY with occasional to frequent cobbles. Gravel is fine to coarse subangular mudstone, coal, sandstone and shale. Cobbles are subangular of sandstone and siltstone. (MADE GROUND - OPENCAST BACKFILL) <i>From 0.90m bgl: localised cobble sized pockets of stiff grey clay.</i>		
D	1.60							
D	2.20		135.21	1.95		Stiff locally firm grey locally mottled dark grey and orangish brown silty gravelly CLAY with frequent cobbles and rare boulders. Cobbles are subangular sandstone and siltstone, boulders are subangular tabular sandstone (approximately 350mm x 300mm x 60mm in size). Gravel is angular to subangular mudstone, siltstone, occasional sandstone and coal. (MADE GROUND - OPENCAST BACKFILL)		
D	3.20			(2.25)	E	<i>From 2.80m bgl: higher silt content.</i>		
					E-M			
D	4.20		132.96	4.20		End of Trial Pit at 4.20m		

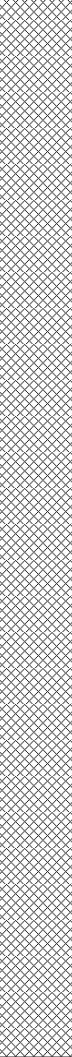
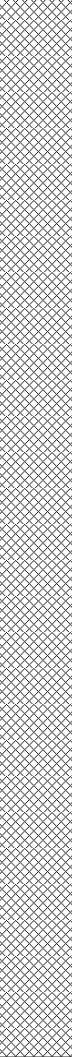
Method: 20T Tracked excavator

Groundwater: Groundwater not encountered

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	2.40m
Width:	0.60m
Logged:	FC
Checked:	SD

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.70		137.15	(0.45) 0.45	E	Very soft brown slightly sandy slightly gravelly CLAY with frequent rootlets and rare cobbles. Gravel is fine to coarse subangular siltstone and sandstone. Cobbles are subangular siltstone. (TOPSOIL/MADE GROUND)		
				(0.55)		Firm orangish brown silty slightly gravelly CLAY with rare cobbles. Gravel is fine to coarse angular to subangular mudstone and sandstone. Cobbles are subangular sandstone and siltstone. (MADE GROUND - OPENCAST BACKFILL)		
LB	1.00		136.60	1.00		Firm friable brownish grey silty gravelly CLAY with occasional to frequent cobbles. Gravel is fine to coarse and cobbles are subangular predominantly mudstone, occasional sandstone and siltstone. (MADE GROUND - OPENCAST BACKFILL)		
D	2.50			(3.50)	E			
D	3.50							
						From 3.80m bgl: frequent cobbles of predominantly mudstone.		
			133.10	4.50		End of Trial Pit at 4.50m		

Method:

20T Tracked excavator

Groundwater:

Groundwater not encountered.

Stability:

Moderate, slight spalling.

Remarks:

Trial pit backfilled with arisings on completion.

Length:

2.40m

Width:

0.60m

Logged:

FC

Checked:

SD

TRIAL PIT LOG

TP1085

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 20/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 138.38m AOD **Coordinates** E 435642.56 N 399597.28 **Total Depth** 4.70m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20		137.98	(0.40) 0.40	E	Very soft brown and dark brown slightly gravelly CLAY with frequent rootlets. Gravel is fine to coarse subangular to subrounded sandstone, mudstone and rare ceramic tile. (TOPSOIL/MADE GROUND)		
ES D	0.90 1.00					Firm friable greyish brown locally grey silty gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular predominantly mudstone, occasional sandstone and siltstone. Cobbles are subangular mudstone, sandstone and rare ironstone. (MADE GROUND - OPENCAST BACKFILL) <i>Between 0.40m and 0.80m bgl: locally orangish brown, no cobbles.</i>		
D	2.50			(4.30)	E			
						<i>From 3.00m bgl: predominantly grey.</i>		
D	4.20				E			
			133.68	4.70		End of Trial Pit at 4.70m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Slight spalling locally.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.20m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1086

Project Hoyland Common, Barnsley

Project No.

AG3080-19

Client Newlands Developments

Sheet

1 of 1

Date 20/01/2020

Scale

1:25

Ground Level 139.01m AOD

Coordinates

E 435603.51 N 399559.78

Total Depth

3.90m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
				(0.30)		Very soft dark brown slightly gravelly slightly sandy CLAY with frequent rootlets. Gravel is fine to coarse subangular to subrounded sandstone, occasional brick and mudstone.		
			138.71	0.30		(TOPSOIL/MADE GROUND)		
					E	Grey and brownish grey clayey GRAVEL with occasional to frequent cobbles. Gravel is fine to coarse angular to subangular mudstone and occasional siltstone and sandstone. Cobbles are subangular tabular sandstone and mudstone.		
						(MADE GROUND - OPENCAST BACKFILL)		
D	1.00							
LB	1.50				E			
				(3.60)		From 2.00m bgl: boulder sized pockets of gravelly clay.		
D	2.60				E			
D	3.60							
			135.11	3.90		End of Trial Pit at 3.90m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable until 3.50m bgl then sides collapsing.

Remarks: Trial pit backfilled with arisings on completion.

Length:	2.70m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1087

Project Hoyland Common, Barnsley

Project No.

AG3080-19

Client Newlands Developments

Sheet

1 of 1

Date 21/01/2020

Scale

1:25

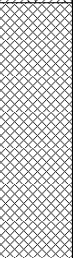
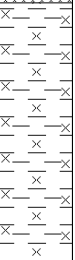
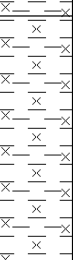
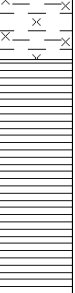
Ground Level 136.11m AOD

Coordinates

E 435523.69 N 399456.97

Total Depth

3.90m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		135.76	(0.35)	E	Very soft dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular sandstone and siltstone. (TOPSOIL/MADE GROUND)		
				0.35		Stiff grey locally brown slightly sandy gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular sandstone, ironstone and rare mudstone. Sand is fine to medium. Cobbles are subangular siltstone and sandstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.00		134.91	(0.85)	E			
				1.20		Firm to stiff light grey mottled light orangish brown silty CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	1.50		134.01	(0.90)	E			
				2.10		Stiff becoming very stiff closely fissured grey and orangish brown silty CLAY recovered locally as tabular gravel/cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	2.50		133.01	(1.00)	E	From 2.80m bgl: very stiff.		
				3.10		Extremely weak extremely closely to very closely fractured predominantly grey locally stained orangish brown MUDSTONE with locally thin ironstone bands (medium strong) recovered as fine to coarse subangular tabular gravel and rare cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.80		132.21	(0.80)	E-M M-H			
				3.90		End of Trial Pit at 3.90m		

Method: 20T Tracked excavator

Groundwater: Seepage at 1.20 in base of Made Ground.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	2.70m
Width:	0.60m
Logged:	FC
Checked:	SD

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.05		134.42	(0.10)	E	Soft dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick. (TOPSOIL/MADE GROUND)		
D	0.40			(0.40)	E	Stiff orangish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	0.55		134.02	0.50		Black vitrain COAL recovered as slightly sandy fine to coarse angular gravel. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			133.92	(0.10)		Stiff brownish grey and dark grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone and occasional coal. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				0.60				
D	1.00			(0.60)	E			
			133.32	1.20		Extremely weak greyish brown occasionally reddish brown SILTSTONE, recovered as sandy silty gravel. Gravel is fine to coarse angular to subangular siltstone with small tabular cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
B	2.00			(2.80)	E			
D	3.50							
			130.52	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length: 3.50m

Width: 0.60m

Logged: TWC

Checked: SD

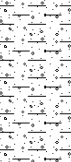
TRIAL PIT LOG

TP1089

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 10/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 130.86m AOD **Coordinates** E 435371.92 N 399239.57 **Total Depth** 3.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.50		130.66	(0.20)		Soft brownish grey slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick. (TOPSOIL/MADE GROUND)		
	0.60			0.20		Firm light grey mottled orangish brown and rarely brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	1.20		130.06	0.80		Extremely weak brown and greyish brown SILTSTONE, recovered as sandy silty gravel. Gravel is fine to coarse angular to subangular siltstone with rare tabular cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
B	2.00			(2.00)		Below 1.80m bgl: slightly clayey.		
D	3.00		128.06	2.80		Extremely weak light grey and grey SILTSTONE, recovered as slightly sandy fine to coarse angular to subangular gravel. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			127.86	3.00		End of Trial Pit at 3.00m		

Method: 20T Tracked excavator

Groundwater: Seepage at 2.80m bgl.

Stability: Stable.

Remarks: Refusal at 3.00m bgl: unable to penetrate. Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D ES	0.40		131.21	(0.15)	E	Very soft brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone, mudstone ad rare brick. (TOPSOIL/MADE GROUND)		
	0.50			(0.45)	E			
D	1.00		130.76	0.60		Stiff light grey mottled brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				(1.40)				
B	1.80					Below 1.20m bgl: mottled orangish brown.		
D			129.36	2.00		Extremely weak grey and brownish grey SILTSTONE with rare thin mudstone bands, recovered as sandy clayey angular to subangular gravel. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				(2.00)				
D	3.50							
			127.36	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered. Flow from surface water.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

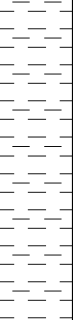
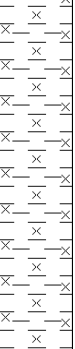
TRIAL PIT LOG

TP1091

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 21/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 135.54m AOD **Coordinates** E 435600.45 N 399487.54 **Total Depth** 3.55m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.40		135.04	(0.50)	E	Very soft dark brown and brown slightly gravelly slightly sandy CLAY with occasional rootlets. Gravel is fine to coarse subangular to subrounded siltstone, sandstone, rare brick and tile. (TOPSOIL/MADE GROUND)		
				0.50				
D	1.20			(1.10)	E-M	Firm locally stiff closely fissured light grey and grey with yellowish brown staining along fissures CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	1.70		133.94	1.60		Firm locally stiff friable grey silty CLAY with locally fine grained mudstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
						<i>Between 2.60m and 2.80m bgl: locally thin laminations containing coal.</i>		
				(1.20)	E			
D	2.70		132.74	2.80				
D	3.00		132.44	(0.30)	E	Black COAL recovered as sandy fine to medium angular gravel with rare cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.30			3.10				
D	3.50		132.09	(0.35)	E	Stiff light grey and reddish brown locally orangish brown silty CLAY with fine gravel sized mudstone lithorelicts throughout. (PENNINE MIDDLE COAL MEASURES FORMATION)		
						<i>Between 3.35m and 3.45m bgl: light grey band of clayey silt.</i>		
			131.99	3.45				
				(0.10)	M-H	Very weak to weak grey locally dark grey locally stained orangish brown SILTSTONE with carbonaceous traces. Recovered as fine to medium tabular gravel, occasionally coarse and cobble sized. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				3.55		End of Trial Pit at 3.55m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.40m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1092

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 17/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 135.11m AOD **Coordinates** E 435700.25 N 399648.14 **Total Depth** 4.50m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.70		134.66	(0.45)	E	Very soft brown and dark brown silty slightly gravelly CLAY with rare cobbles. Gravel is fine to coarse subangular sandstone. Cobbles are subangular sandstone and siltstone. Rare brick fragments. (TOPSOIL/MADE GROUND)		
				0.45		Soft to firm greyish brown gravelly slightly sandy CLAY with occasional cobbles. Sand is fine to medium. Gravel is fine to coarse angular to subrounded mudstone, ironstone and sandstone. Cobbles are subangular sandstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.50			(1.55)	E	At 1.00m bgl: 2No. boulders (0.50 x 0.30 x 0.30m and 0.20 x 0.50 x 0.40m in size).		
D	1.80							
B	2.50		133.11	2.00		Soft grey silty gravelly CLAY with occasional cobbles. Gravel is subangular siltstone, mudstone and ironstone. Cobbles are subangular mudstone and siltstone. (MADE GROUND - OPENCAST BACKFILL)		
				(2.50)	E			
D	4.00							
			130.61	4.50		End of Trial Pit at 4.50m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: 90mm diameter land drain encountered at 0.90m bgl - repaired. Trial pit backfilled with arisings on completion.

Length:	2.50m
Width:	0.60m
Logged:	FC
Checked:	SD

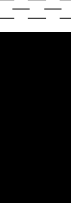
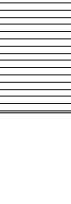
TRIAL PIT LOG

TP1093

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 17/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 137.43m AOD **Coordinates** E 435791.53 N 399762.60 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		137.13	(0.30)	E	Very soft dark brown silty CLAY with frequent rootlets and rare whole brick cobble. (TOPSOIL/MADE GROUND)		
				0.30		Firm becoming stiff light grey and orangish brown CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	1.20			(1.40)	E	From 1.30m bgl: locally closely fissured.		
D	1.80		135.73	1.70		Stiff friable closely fissured becoming extremely closely fissured grey and greyish brown CLAY with occasional becoming frequent mudstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				(0.70)	E	From 2.20m to 2.40m bgl: predominantly dark grey.		
			135.03	2.40		Black COAL, recovered as sandy fine to coarse gravel. (PENNINE MIDDLE COAL MEASURES FORMATION - UN-NAMED SEAM) (PENNINE MIDDLE COAL MEASURES FORMATION)		▼
				(0.60)	E			
			134.43	3.00		Extremely weak grey silty MUDSTONE, recovered as slightly silty gravel with frequent cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.50			(1.00)	E-M			
			133.43	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator

Groundwater: Seepage in coal at approximately 2.50m bgl.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	2.70m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1094

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 17/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 134.71m AOD **Coordinates** E 435708.58 N 399598.75 **Total Depth** 4.60m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.80		134.46	(0.25)	E	Very soft brown slightly gravelly silty CLAY with frequent rootlets. Gravel is fine to coarse angular to subrounded quartzite, sandstone and rare brick fragments.		
				0.25		(TOPSOIL/MADE GROUND)		
D	1.80		133.81	(0.65)	E	Firm orangish brown mottled light grey slightly gravelly CLAY. Gravel is fine to coarse subangular mudstone and sandstone. (MADE GROUND - OPENCAST BACKFILL)		
				0.90		Soft friable grey and brownish grey silty gravelly CLAY with occasional cobbles. Cobbles are subangular siltstone and sandstone. Gravel is fine to coarse subangular mudstone, sandstone, siltstone and occasional to rare coal. (MADE GROUND - OPENCAST BACKFILL)		
D	2.50		131.91	(1.90)	E	Stiff friable grey locally greyish brown gravelly silty CLAY with frequent cobbles. Gravel is fine to coarse subangular mudstone and occasional sandstone. Cobbles are subangular tabular sandstone/siltstone. (MADE GROUND - OPENCAST BACKFILL)		
B	3.00			2.80				
D	4.50		130.11	(1.80)		End of Trial Pit at 4.60m		
				4.60				

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.75m
Width:	0.60m
Logged:	FC
Checked:	SD

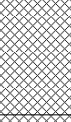
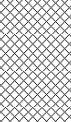
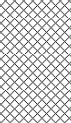
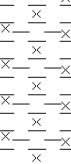
TRIAL PIT LOG

TP1095

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 21/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 134.68m AOD **Coordinates** E 435617.44 N 399487.10 **Total Depth** 3.50m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
				(0.40)	E	Very soft dark brown slightly gravelly slightly sandy CLAY with occasional rootlets. Gravel is fine to coarse subangular to subrounded sandstone and siltstone. (TOPSOIL/MADE GROUND)		
			134.28	0.40				
				(0.40)	E	Firm orangish brown mottled grey and dark grey slightly gravelly CLAY with rare cobbles. Gravel is fine to coarse angular to subangular sandstone, siltstone and mudstone. Cobbles are subangular sandstone. (MADE GROUND - OPENCASE BACKFILL)		
			133.88	0.80				
						Firm to stiff friable grey and brownish grey silty gravelly CLAY with frequent cobbles. Gravel is fine to coarse angular to subangular mudstone and occasional siltstone. Cobbles are subangular siltstone and occasional sandstone and mudstone. (MADE GROUND - OPENCASE BACKFILL)		
D	1.50			(1.40)				
LB	1.50				E			
D	1.80					At 1.80m bgl: dark brownish grey boulder sized pocket of carbonaceous mudstone/coal containing gravelly clay.		
			132.48	2.20				
				(0.60)	E	Stiff very closely fissured friable grey silty CLAY with frequent fine to medium gravel sized mudstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			131.88	2.80				
				(0.30)	E	Black COAL recovered as sandy fine to coarse gravel and rare cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			131.58	3.10				
				(0.15)	E	Firm to stiff laminated light grey yellowish brown and reddish brown silty CLAY with laminae of clayey silt with occasional becoming frequent fine to medium siltstone and mudstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			131.43	3.25	E-M			
				(0.25)				
			131.18	3.50	H	Very weak extremely closely to very closely fractured grey locally dark grey SILTSTONE with orangish brown staining on fractures. (PENNINE MIDDLE COAL MEASURES FORMATION)		
						End of Trial Pit at 3.50m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.50m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1096

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 21/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 135.38m AOD **Coordinates** E 435687.22 N 399554.48 **Total Depth** 4.60m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	2.00		135.08	(0.30)	E	Very soft dark brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse subangular sandstone and siltstone. (TOPSOIL/MADE GROUND)		
				0.30		Firm locally soft friable orangish brown and grey slightly gravelly silty CLAY. Gravel is fine to coarse subangular siltstone, mudstone, occasional ironstone and rare coal. (MADE GROUND - OPENCASE BACKFILL)		
			133.88	(1.20)	E			
				1.50	E	Firm friable silty gravelly to very gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular predominantly mudstone, occasional siltstone and rare coal. Cobbles are subangular siltstone. (MADE GROUND - OPENCASE BACKFILL)		
D	4.00			(3.10)	E	<i>Below 2.00m bgl: predominantly soft to firm.</i>		
			130.78	4.60		End of Trial Pit at 4.60m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Whole side failure from ground level to 4.60m bgl.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.10m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1097

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 22/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 132.48m AOD **Coordinates** E 435746.23 N 399611.05 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.30		132.13	(0.35) 0.35	E	Very soft dark brown slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse angular to subangular siltstone, sandstone and rare quartzite. (TOPSOIL/MADE GROUND)		
B	1.00			(1.20)	E	Firm locally soft friable orangish brown mottled grey silty gravelly CLAY with occasional cobbles. Gravel is fine to coarse angular to subrounded siltstone, mudstone and ironstone. Cobbles are subangular siltstone and ironstone. (MADE GROUND - OPENCASE BACKFILL)		
D	1.70		130.93	1.55		Firm to stiff friable grey silty gravelly to very gravelly CLAY with occasional locally frequent cobbles. Gravel is fine to coarse angular to subangular predominantly mudstone, occasional siltstone and rare coal. Cobbles are subangular mudstone and siltstone. (MADE GROUND - OPENCASE BACKFILL) At 1.80m bgl: 1No. subangular siltstone boulder (0.70 x 0.40 x 0.25m). From 2.00m bgl: possible locally tending to granular material.		
B	2.00							
				(2.45)	E			
D	3.70							
			128.48	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator
Groundwater: Localised seepage at 1.55m bgl.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.00m
Width:	0.60m
Logged:	FC
Checked:	SD

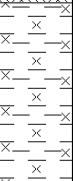
TRIAL PIT LOG

TP1098

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 14/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 134.37m AOD **Coordinates** E 435917.15 N 399717.06 **Total Depth** 2.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20			(0.40)	E	Soft brown and greyish brown slightly gravelly locally silty CLAY with occasional rootlets. Gravel is fine to medium subangular sandstone and mudstone. (TOPSOIL)		
D	0.70		133.97	0.40	E	Firm light grey mottled orangish brown silty CLAY with rare thin light grey possible gypsum veins. (PENNINE MIDDLE COAL MEASURES FORMATION) <i>Between 0.40m and 0.60m bgl: soft.</i>		
			133.37	1.00	M	<i>Between 0.80m and 1.00m bgl: locally fine to coarse gravel of mudstone lithorelicts.</i>		
D	1.80			(1.00)	H	Very weak to weak light grey and orangish brown SILTSTONE with thin bands of firm clay. Recovered as tabular clayey gravel and cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			132.37	2.00		End of Trial Pit at 2.00m		

Method: 20T Tracked excavator

Groundwater: Slight seepage at 0.40m bgl.

Stability: Stable.

Remarks: Trial pit terminated at 2.00m bgl due to bedrock, unable to progress. Trial pit backfilled with arisings on completion.

Length:	1.70m
Width:	0.60m
Logged:	FC
Checked:	SD

TP1099

Project No. AG3080-19

Sheet 1 of 1

Scale 1:25

Coordinates E 435860.27 N 399636.04

Total Depth 4.50m

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered
Stability: Poor, side cave in post dig
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.40m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1100

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 16/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 131.57m AOD **Coordinates** E 435954.97 N 399673.71 **Total Depth** 3.80m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.70		131.17	(0.40) 0.40	E	Very soft dark brown slightly sandy CLAY with frequent rootlets. (TOPSOIL)		
				(0.60)	E	Firm orangish brown mottled light grey locally silty CLAY with rare rootlets. (PENNINE MIDDLE COAL MEASURES FORMATION) <i>From 0.60m to 1.00m bgl: locally friable.</i>		
D	1.20		130.57	1.00		At 0.90m bgl: thin strong sandstone band approximately 15mm thick.		
				(1.00)	E-M	Very stiff closely fissured grey and orangish brown silty CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	2.20		129.57	2.00		Stiff closely laminated friable grey and locally greyish brown CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				(0.90)	E			
D	3.00		128.67	2.90		Black COAL locally with dark grey thin laminations of carbonaceous mudstone, recovered as fine to coarse gravel. (PENNINE MIDDLE COAL MEASURES FORMATION - UN-NAMED SEAM)		
			128.32	3.25	E	(PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.50			(0.55)	E-M	Extremely weak very closely laminated locally carbonaceous grey MUDSTONE with locally orangish brown staining. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			127.77	3.80		End of Trial Pit at 3.80m		

Method: 20T Tracked excavator

Groundwater: Slight seepage in coal at 3.00m bgl.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	2.60m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1101

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 15/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 130.31m AOD **Coordinates** E 435841.32 N 399602.98 **Total Depth** 4.30m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20			(0.40)	E	Very soft dark brown slightly sandy silty CLAY with occasional rootlets. (TOPSOIL/MADE GROUND)		
			129.91	0.40		<i>From 0.30m to 0.40m bgl: locally orangish brown and soft.</i>		
D	0.50					Firm friable grey and brownish grey slightly gravelly to gravelly silty CLAY with occasional cobbles. Gravel is fine to coarse angular to subangular mudstone, siltstone, sandstone and rare coal. Cobbles are subangular sandstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.50				E			
				(3.90)				
D	2.50				E			
B	3.00				E-M	<i>From 3.00m bgl: cobbles more frequent.</i>		
D	4.00							
			126.01	4.30				
						End of Trial Pit at 4.30m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.50m
Width:	0.60m
Logged:	FC
Checked:	SD

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10		131.48	(0.10)	E	Firm brown slightly sandy slightly gravelly CLAY with rare rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick.		
D	0.15			0.10		(TOPSOIL/MADE GROUND)		
			131.28	(0.20)	E	Stiff orangish brown and brown occasionally mottled grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone.		
				0.30		(MADE GROUND - OPENCAST BACKFILL)		
						Firm greyish brown mottled orangish brown occasionally grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone, mudstone with rare cobbles of siltstone.		
						(MADE GROUND - OPENCAST BACKFILL)		
D	1.00							
						Below 1.50m bgl: stiff.		
B	2.00				E			
				(3.70)				
						Below 2.80m bgl: rare ironstone gravel.		
D	3.50							
			127.58	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length: 3.00m

Width: 0.60m

Logged: TWC

Checked: SD

TRIAL PIT LOG

TP1103

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 22/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 131.71m AOD **Coordinates** E 435754.09 N 399529.18 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	1.00		131.31	(0.40)	E	Very soft brown silty slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse angular to subangular sandstone, rare brick and siltstone. (TOPSOIL/MADE GROUND)		
				0.40		Firm orangish brown slightly sandy gravelly CLAY. Gravel is subangular siltstone, mudstone and occasional ironstone. (MADE GROUND - OPENCAST BACKFILL)		
			130.61	(0.70)	E	Grey clayey/silty GRAVEL with occasional to frequent cobbles. Gravel is fine to coarse subangular predominantly mudstone, occasional sandstone and siltstone. Cobbles are subangular siltstone, sandstone, mudstone and rare ironstone. (MADE GROUND - OPENCAST BACKFILL)		
ES	2.00							
B	2.50			(2.90)	E	From 2.70m bgl: frequent cobbles.		
D	3.00							
D	4.00		127.74	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered
Stability: Spalling from 3.00m bgl.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.60m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1104

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 22/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 128.53m AOD **Coordinates** E 435714.30 N 399437.00 **Total Depth** 4.10m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.30		128.13	(0.40) 0.40	E	Very soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse subangular to subrounded sandstone, siltstone and rare brick fragments. (TOPSOIL/MADE GROUND)		
D	0.90			(0.60)	E	Firm orangish brown mottled grey silty slightly gravelly CLAY with rare cobbles. Gravel is fine to coarse subangular predominantly mudstone, occasional sandstone and ironstone. Cobbles are subangular sandstone. (MADE GROUND - OPENCAST BACKFILL)		
B	1.00		127.53	1.00		Grey locally rare orangish brown slightly clayey/silty GRAVEL with frequent cobbles and occasional boulder sized pockets of firm clay. Gravel is fine to coarse subangular mudstone, occasional siltstone and rare coal. Cobbles are subangular mudstone and siltstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.60			(1.70)	E			
			125.83	2.70		Firm friable grey gravelly to very gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular siltstone, mudstone and occasional to rare coal. Cobbles are subangular mudstone. (MADE GROUND - OPENCAST BACKFILL)		
				(1.40)	E-M			
D	4.00		124.43	4.10		End of Trial Pit at 4.10m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	2.00m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1105

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 22/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 126.21m AOD **Coordinates** E 435694.97 N 399391.66 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20		125.96	(0.25)	E	Soft to very soft brown silty slightly gravelly CLAY with rare rootlets. Gravel is fine to coarse subangular siltstone, mudstone and sandstone. (TOPSOIL/MADE GROUND)		
D	0.60			0.25		Soft brownish grey and brown slightly sandy gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular siltstone, mudstone and rare coal. Cobbles are subangular sandstone and siltstone. (MADE GROUND - OPENCASET BACKFILL)		
				(1.45)	E			
			124.51	1.70		Firm light grey mottled orangish brown silty CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION) <i>Between 1.70m and 1.76m bgl: thin laminae of coal.</i>		
D	2.00			(0.80)	E			
D	2.40		123.71	2.50		<i>Between 2.30m and 2.50m bgl: tending to dark greyish brown, contains coal/carbonaceous material, locally stiff.</i>		
				(0.45)	E	Black COAL, recovered as sandy fine to coarse subangular gravel. (PENNINE MIDDLE COAL MEASURES FORMATION - DUNSIL SEAM) (PENNINE MIDDLE COAL MEASURES FORMATION) <i>Between 2.50m and 2.60m bgl: slightly clayey.</i>		
			123.26	2.95		<i>Between 2.90m and 2.95m bgl: stained orangish brown.</i>		
				(1.05)	M	Extremely weak becoming very weak grey and dark grey, orangish/reddish brown SILTSTONE recovered as tabular fine to coarse gravel and cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.50					<i>From 3.60m to 4.00m bgl: predominantly grey and dark grey</i>		
			122.24	4.00	H			
						End of Trial Pit at 4.00m		

Method: 20T Tracked excavator
Groundwater: Slight seepage at base of coal at 2.91m bgl.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.60m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1106

Project Hoyland Common, Barnsley

Project No.

AG3080-19

Client Newlands Developments

Sheet

1 of 1

Date 05/02/2020

Scale

1:25

Ground Level 127.76m AOD

Coordinates

E 435800.38 N 399465.55

Total Depth

4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10		127.66	(0.10)	E	Soft dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick.		
D	0.20		127.46	(0.20)		(TOPSOIL/MADE GROUND)		
				0.30		Stiff orangish brown mottled light grey and brown Gravel is fine to coarse subangular siltstone.		
						(MADE GROUND - OPENCAST BACKFILL)		
D	0.80					Brownish grey and occasionally grey sandy clayey GRAVEL. Gravel is fine to coarse subangular siltstone and mudstone with frequent cobbles of siltstone. (MADE GROUND - OPENCAST BACKFILL)		
						<i>Below 1.00m bgl: sandy clayey with frequent cobbles and rare boulders of siltstone.</i>		
B	1.50					<i>At 1.5m bgl: 1No boulder of siltstone (0.68 x 0.30 x 0.45m).</i>		
				(3.70)	E			
D	2.50					<i>Below 3.00m bgl: rare orangish brown mottling.</i>		
D	3.50							
			123.76	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Poor stability below 1.00m bgl, collapse to 3.50m bgl.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1107

Project Hoyland Common, Barnsley

Project No.

AG3080-19

Client Newlands Developments

Sheet

1 of 1

Date 04/02/2020

Scale

1:25

Ground Level 128.06m AOD

Coordinates

E 435846.53 N 399494.13

Total Depth

4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.20		127.96	(0.10)	E	Firm brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse angular to subangular siltstone, mudstone and rare brick.		
			127.76	(0.20)	E	(TOPSOIL/MADE GROUND)		
D	1.00			(0.30)	E	Stiff orangish brown mottled brown occasionally light grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone. (MADE GROUND - OPENCASE BACKFILL)		▼
				(0.90)	E	Stiff grey occasionally mottled dark grey and light orangish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone with rare cobbles. (MADE GROUND - OPENCASE BACKFILL)		
B	2.00		126.86	1.20		Greyish brown and occasionally grey sandy clayey GRAVEL. Gravel is fine to coarse subangular siltstone and mudstone with occasional cobbles. (MADE GROUND - OPENCASE BACKFILL)		
						At 1.50m bgl: 1No boulder of siltstone (0.65 x 0.40 x 0.30m).		
ES	3.00			(2.80)	M	At 2.20m bgl: 1No boulder of siltstone (0.78 x 0.50 x 0.30m).		
D	4.00		124.06	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator

Groundwater: Inflow at 0.60m bgl.

Stability: Poor stability below 1.20m bgl, minor collapse.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.20m
Width:	0.60m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1107A

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 19/02/2020

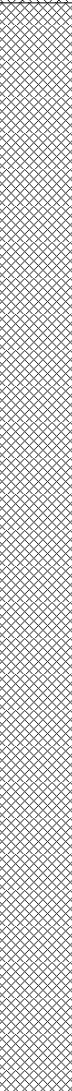
Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 129.25m AOD **Coordinates** E 435838.17 N 399534.99 **Total Depth** 4.50m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.60		128.95	(0.30)	E	Very soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse subangular ironstone, brick, siltstone and limestone. (TOPSOIL/MADE GROUND)		
				0.30		Soft to firm grey locally brown and black slightly gravelly to gravelly silty CLAY. Gravel is fine to coarse subangular to subrounded coal, mudstone and ironstone. (MADE GROUND - OPENCAST BACKFILL) <i>Between 0.50m and 0.70m bgl: higher coal content.</i>		
D	1.60			(1.70)	E	<i>From 0.90m bgl: occasional cobbles. Cobbles are subangular to rounded ironstone and mudstone.</i>		
LB	2.00		127.25	2.00		<i>Between 1.70m and 2.00m bgl: 1No. boulder subangular of siltstone 0.60 x 0.30 x 0.50m.</i>		
D	2.30			(1.30)	E	Grey slightly clayey locally clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular predominantly mudstone, occasional coal and siltstone. Cobbles are subangular mudstone and siltstone. (MADE GROUND - OPENCAST BACKFILL) <i>Between 2.00m and 2.50m bgl: dark grey/black locally with higher coal content.</i>		
D	3.50		125.95	3.30		Soft to firm friable grey and greyish brown very gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular siltstone, mudstone and rare coal. Cobbles are subangular ironstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
				(1.20)	E			
D	4.50		124.75	4.50		End of Trial Pit at 4.50m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.00m
Width:	0.60m
Logged:	FC
Checked:	SD

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.60		126.46	(0.40)	E	Very soft dark brown slightly sandy silty CLAY with frequent rootlets. (TOPSOIL/MADE GROUND)		
				0.40		Soft to firm friable brownish grey and dark grey gravelly silty CLAY with occasional to frequent cobbles. Gravel is fine to coarse angular to subangular mudstone, occasional siltstone, coal and sandstone. Cobbles are subangular siltstone and sandstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.50				E			
D	2.60			(3.60)		At approximately 2.00m bgl: 3No. boulders of strong tabular siltstone and sandstone (approximately 0.50 x 0.40 x 0.25m).		
D	3.00				E	At 3.00m bgl: 1No. boulder of siltstone (approximately 0.90 x 0.60 x 0.40m). From 3.00m bgl: locally not friable.		
D	4.00		122.86	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Locally poor due to boulder removal, collapse at 4.00m bgl.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.40m
Width:	0.60m
Logged:	FC
Checked:	SD

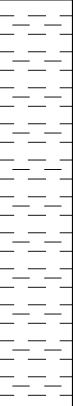
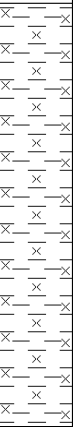
TRIAL PIT LOG

TP1109

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 16/01/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 128.42m AOD **Coordinates** E 435989.69 N 399631.35 **Total Depth** 3.70m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.60		127.97	(0.45)	E	Very soft dark brown slightly sandy CLAY with frequent rootlets. (TOPSOIL)		
				0.45		From 0.30m bgl: slightly gravelly, gravel is fine to medium subrounded quartzite.		
D	1.50		126.62	(1.35)	E	Firm light grey mottled orangish/yellowish brown CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				1.80		Stiff light grey locally mottled yellowish brown silty CLAY with rare coarse gravel sized ironstone nodules. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	2.50		125.22	(1.40)	E-M	From 3.00m bgl: laminated, very closely fissured.		
				3.20		Black COAL, recovered as sandy fine to medium gravel. (PENNINE MIDDLE COAL MEASURES FORMATION - UN-NAMED SEAM) (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.60		124.72	(0.30)		Firm to stiff friable laminated grey and greyish brown CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				(0.20)		End of Trial Pit at 3.70m		
				3.70				

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.50m
Width:	0.60m
Logged:	FC
Checked:	SD

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.80		126.53	(0.35)		Very soft dark brown slightly sandy silty CLAY with occasional rootlets and plant debris. (TOPSOIL/MADE GROUND) <i>From 0.20m to 0.35m bgl: slightly gravelly. Gravel is fine to medium mudstone.</i>		
				0.35		Firm friable grey and dark brownish grey slightly gravelly to gravelly silty CLAY with occasional to frequent cobbles. Gravel is fine to coarse subangular sandstone, siltstone, mudstone and rare coal. Cobbles are subangular mudstone and siltstone. (MADE GROUND - OPENCAST BACKFILL) <i>Between 0.35m and 1.00m bgl: locally soft.</i>		
D	2.10			(3.65)		<i>From 2.00m bgl: locally boulder sized pockets of predominantly clayey gravelly cobbles. Gravel and cobbles are extremely weak to very weak mudstone and siltstone.</i>		
D	3.00							
D	4.00		122.88	4.00		<i>At 3.80m to 4.00m bgl: soft due to water ingress.</i>		
						End of Trial Pit at 4.00m		

Method: 20T Tracked excavator
Groundwater: Water ingress at 3.80m bgl.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	2.50m
Width:	0.60m
Logged:	FC
Checked:	SD

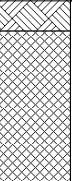
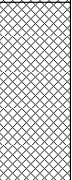
TRIAL PIT LOG

TP1111

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 07/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 125.71m AOD **Coordinates** E 435949.04 N 399510.41 **Total Depth** 3.40m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.05		125.61	(0.10) 0.10	E	Soft dark greyish brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular mudstone, siltstone and rare brick. (TOPSOIL/MADE GROUND)		
D	0.40			(0.50)		Stiff orangish brown and brownish grey mottled grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular to subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
			125.11	0.60		Below 0.30m bgl: brownish grey mottled.		
D	1.00				H	Grey and brownish grey sandy very clayey GRAVEL. Gravel is fine to coarse subangular siltstone and mudstone with occasional tabular cobbles. (MADE GROUND - OPENCAST BACKFILL)		
						Below 1.50m bgl: clayey with frequent cobbles.		
B	2.00			(2.80)		At 1.80m bgl: 1No. tabular boulder (1.50 x 0.50 x 0.30m).		
ES	2.50							
D	3.20		122.31	3.40		End of Trial Pit at 3.40m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered

Stability: Poor stability below 1.50m bgl. Frequent collapse below 1.80m bgl.

Remarks: Trial pit terminated at 3.40m bgl due to large boulder at base, unable to penetrate and under mining. Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1112

Project Hoyland Common, Barnsley

Project No.

AG3080-19

Client Newlands Developments

Sheet

1 of 1

Date 07/02/2020

Scale

1:25

Ground Level 125.59m AOD

Coordinates

E 435890.28 N 399447.77

Total Depth

5.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.40		125.49	(0.10)	E	Soft brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone and mudstone. (TOPSOIL/MADE GROUND)		
				0.10	E	Firm orangish brown and greyish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
			125.09	(0.40)	E			
				0.50		Grey and brownish grey sandy clayey GRAVEL. Gravel is fine to coarse subangular siltstone and mudstone with frequent small cobbles. (MADE GROUND - OPENCAST BACKFILL)		
D	1.00							
D	1.50							
				(2.80)				
D	3.00				M			
			122.29	3.30		Firm to stiff grey mottled dark grey and occasionally orangish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
B	4.00							
				(1.70)	E			
			120.59	5.00				
End of Trial Pit at 5.00m								

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Poor stability between 0.50m and 3.30m bgl.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1113

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 05/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 124.65m AOD **Coordinates** E 435860.70 N 399418.96 **Total Depth** 4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		124.45	(0.20) 0.20	E	Soft to firm dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick. (TOPSOIL/MADE GROUND)		
				(0.90)		Firm to stiff orangish brown and brown mottled grey slightly sandy slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular siltstone and mudstone. Cobbles are siltstone and sandstone. (MADE GROUND - OPENCASE BACKFILL)		
D	1.50		123.55	1.10	E	Brownish grey and grey sandy clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular siltstone and mudstone. Frequent cobbles of siltstone. (MADE GROUND - OPENCASE BACKFILL)		
				(2.90)		Below 2.40m bgl: slightly sandy slightly gravelly.		
B	2.50							
ES	3.00							
D	3.50							
			120.65	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

TRIAL PIT LOG

TP1114

Project Hoyland Common, Barnsley

Project No.

AG3080-19

Client Newlands Developments

Sheet

1 of 1

Date 05/02/2020

Scale

1:25

Ground Level 119.97m AOD

Coordinates

E 435777.93 N 399326.76

Total Depth

4.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
B D	0.50		119.92	(0.05)	E	Firm dark brown slightly sandy slightly gravelly CLAY with rare rootlets. Gravel is fine to coarse subangular siltstone, mudstone and rare brick. (TOPSOIL/MADE GROUND)		
	0.50			(0.95)	E	Stiff orangish brown mottled light grey slightly sandy silty CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
ES	1.20		118.97	1.00		Stiff light grey mottled orangish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular siltstone. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				(0.90)	E			
			118.07	1.90		Extremely weak light grey mottled brown and orangish brown SILTSTONE with thin bands of mudstone, recovered as sandy silty gravel with occasional cobbles. Gravel is fine to coarse subangular siltstone and mudstone. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	2.50							
				(2.10)	E	Below 2.80m bgl: slightly sandy slightly clayey.		
D	3.50							
			115.97	4.00		End of Trial Pit at 4.00m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.50m
Width:	0.60m
Logged:	TWC
Checked:	SD

TP1201

Project No. AG3080-19

Sheet 1 of 1

Scale 1:25

Total Depth 1.30m

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: At 0.50m bgl: 80mm diameter land drain. Trial pit terminated at 1.30m bgl due to refusal on bedrock. Trial pit backfilled with arisings on completion.

Checked: SD

TRIAL PIT LOG

TP1202

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 03/03/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 148.37m AOD **Coordinates** E 435175.76 N 400097.36 **Total Depth** 2.25m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
				(0.30)	E	Very soft dark brown slightly gravelly slightly sandy silty CLAY with frequent rootlets and roots. Gravel is fine to coarse subangular brick, limestone, quartzite and coal. Roots up to 20mm diameter. (TOPSOIL/MADE GROUND)		
D	0.50		148.07	0.30		Soft to firm brown mottled grey locally black slightly gravelly silty CLAY with occasional rootlets and rare roots (<10mm diameter). Gravel is fine to coarse subangular predominantly coal, occasional siltstone and brick. (MADE GROUND)		
LB	0.50							
ES	0.70							
				(1.15)	E			
D	1.50		146.92	1.45		Firm orangish brown mottled light grey silty CLAY with rare roots. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				(0.55)	E	Between 1.45m and 1.60m bgl: slightly fine sandy.		
D	1.90					From 1.80m bgl: predominantly light grey occasionally fine to medium gravel sized siltstone lithorelicts.		
			146.37	2.00				
D	2.10			(0.25)	M	Extremely weak light grey locally orangish brown SILTSTONE recovered as fine to coarse gravel and occasional to frequent cobbles (tabular). (PENNINE MIDDLE COAL MEASURES FORMATION)		
			146.12	2.25		End of Trial Pit at 2.25m		

Method: 20T Tracked excavator

Groundwater: Slight seepage from 2.00m bgl.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length:	3.00m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TP1203

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 03/03/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 148.59m AOD **Coordinates** E 435200.20 N 400050.50 **Total Depth** 2.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.30		148.34	(0.25) 0.25	E	Very soft dark brown slightly gravelly slightly sandy silty CLAY with occasional to frequent rootlets and rare roots. Gravel is fine to coarse subangular brick, coal and sandstone. Roots up to 20mm diameter. (TOPSOIL/MADE GROUND)		
ES LB	0.50 0.50					Soft to firm orangish brown and brown slightly gravelly slightly sandy CLAY with rare roots. Gravel is fine to coarse subangular to subrounded coal, rare brick and siltstone. Roots <10mm diameter. (MADE GROUND)		
D	1.00			(1.05)	E			
			147.29	1.30		<i>From 1.20m to 1.30m bgl: locally dark grey and black.</i>		
D	1.50			(0.50)	E	Firm locally stiff orangish brown mottled locally light grey slightly fine sandy silty CLAY with rare fine to medium siltstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	2.00		146.79 146.59	1.80 (0.20) 2.00	E	Extremely to very weak orangish brown SILTSTONE recovered as slightly gravelly cobbles (tabular). (PENNINE MIDDLE COAL MEASURES FORMATION)		
						End of Trial Pit at 2.00m		

Method: 20T Tracked excavator

Groundwater: Seepage at approximately 1.00m to 1.20m bgl.

Stability: Stable.

Remarks: Trial pit backfilled with arisings on completion.

Length: 3.00m

Width: 0.60m

Logged: FC

Checked: SD

TRIAL PIT LOG

TT2001 MID

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 24/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 145.68m AOD **Coordinates** E 435091.52 N 400333.26 **Total Depth** 2.80m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
			145.38	(0.30) 0.30	E	Very soft dark brown slightly gravelly silty CLAY with rare rootlets. Gravel is fine to medium subangular siltstone, brick, sandstone, rare coal and tile. (TOPSOIL/MADE GROUND)		
						Firm orangish brown mottled grey and dark grey slightly gravelly silty CLAY. (MADE GROUND - OPENCAST BACKFILL)		
				(1.50)	E	<i>Below 0.90m bgl: gravelly with occasional cobbles. Gravel is fine to coarse subangular mudstone and coal. Cobbles are subangular mudstone, siltstone and sandstone.</i>		
			143.88	1.80		Soft locally firm orangish brown mottled locally light grey silty slightly gravelly CLAY. Gravel is fine occasionally medium subrounded mudstone and siltstone. (MADE GROUND - OPENCAST BACKFILL)		
				(0.80)	E			
			143.08	2.60		Dark grey gravelly SILT. Gravel is predominantly fine to medium subangular coal.		
			142.88	(0.20) 2.80	E	(PENNINE MIDDLE COAL MEASURES FORMATION)		
						End of Trial Pit at 2.80m		

Method: 20T Tracked excavator

Groundwater: Slight ingress in coal.

Stability: Poor in from ground level to 1.00m bgl, moderately stable below 1.00m bgl.

Remarks: Trench backfilled with arisings on completion. See also logs TT2001 NORTH & TT2001 SOUTH.

Length:	3.00m
Width:	0.60m
Logged:	FC
Checked:	SD

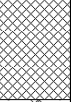
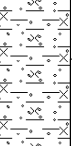
TRIAL PIT LOG

TT2001 NORTH

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 24/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 144.26m AOD **Coordinates** E 435087.55 N 400355.33 **Total Depth** 2.50m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	1.00		143.96	(0.30) 0.30	E	Very soft dark brown and brown slightly sandy slightly gravelly silty CLAY with rare cobbles and rare decomposing plant matter. Gravel is fine to coarse angular to subrounded brick, ceramic tile, siltstone, sandstone and rare asphalt and coal. Cobbles are subangular siltstone and brick. (TOPSOIL/MADE GROUND)		
			143.56	(0.40) 0.70	E	Firm locally soft brown mottled grey, pockets of dark grey and black slightly gravelly to gravelly silty CLAY. (MADE GROUND - OPENCAST BACKFILL)		
			143.06	(0.50) 1.20	E	Firm orangish brown locally light grey and dark grey slightly gravelly silty CLAY with rare siltstone lithorelicts towards base of strata. (PENNINE MIDDLE COAL MEASURES FORMATION)		▼
			142.91	(0.15) 1.35	H	Medium strong dark grey and black locally stained orangish brown IRONSTONE/SILTSTONE, recovered as tabular cobbles and boulders. Strong sulphurous olfactory to water and slightly stagnant odour. (POSSIBLE PENNINE MIDDLE COAL MEASURES FORMATION)		▽
ES	1.35					Black semi dull fusain and clarain COAL, recovered as sandy fine to medium occasional coarse gravel. Slight sulphurous odour. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	2.50		141.96	(0.95) 2.30	E-M	Extremely weak light grey SILTSTONE recovered as slightly gravelly silt. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			141.76	(0.20) 2.50	M-E			
						End of Trial Pit at 2.50m		

Method: 20T Tracked excavator

Groundwater: Rapid inflow at 1.30m bgl.

Stability: Locally poor.

Remarks: Trench backfilled with arisings on completion. See also logs TT2001 EAST & TT2001 SOUTH.

Length:	3.00m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TT2001 SOUTH

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 24/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 145.91m AOD **Coordinates** E 435092.37 N 400326.65 **Total Depth** 3.60m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
				(0.40)	E	Very soft dark brown slightly gravelly silty CLAY with occasional organic plant matter (straw). Gravel is fine to coarse angular to subangular brick, sandstone, siltstone, rare coal and ironstone. (TOPSOIL/MADE GROUND)		
			145.51	0.40		Soft grey, brownish grey and light brown very gravelly silty CLAY. Gravel is fine to coarse angular to subangular siltstone, mudstone and rare to occasional coal. (MADE GROUND - OPENCASE BACKFILL) <i>Between 0.40m and 0.60m bgl: orangish brown.</i>		
						<i>Below 1.00m bgl: occasional cobbles. Cobbles are subangular mudstone and siltstone and rare ironstone nodules.</i>		
				(2.20)	E			
			143.31	2.60		Soft locally very soft orangish brown locally mottled light grey slightly gravelly to gravelly silty CLAY. Gravel is fine to medium subangular to rounded siltstone and mudstone. (MADE GROUND - OPENCASE BACKFILL)		
				(0.90)	E			
			142.41	3.50		Extremely weak grey and light grey SILTSTONE recovered as slightly gravelly to gravelly silt. (PENNINE MIDDLE COAL MEASURES FORMATION) <i>Between 3.50m and 3.55m bgl: dark grey and black locally coal gravel.</i>		
			142.31	(0.10) 3.60	E	<i>End of Trial Pit at 3.60m</i>		

Method: 20T Tracked excavator

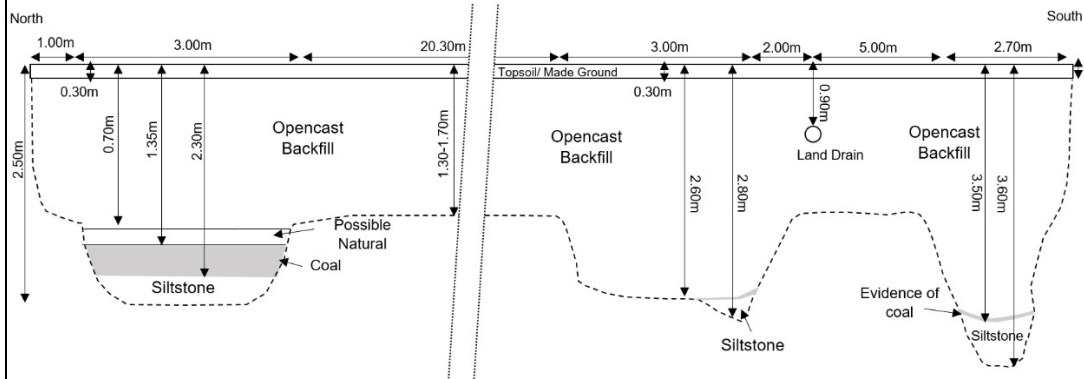
Groundwater: Seepage from top 1.00m.

Stability: Poor stability from ground level to 2.50m bgl.

Remarks: 100mm diameter land drain next to this pit log at 0.90m bgl - repaired. Trench backfilled with arisings on completion. See also logs TT2001 NORTH & TT2001 EAST.

Length:	2.70m
Width:	0.60m
Logged:	FC
Checked:	SD

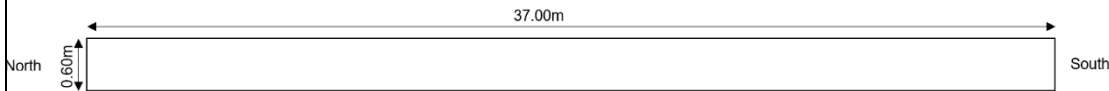
Cross Section Sketch



Looking northeast



Plan Sketch



Looking north



APPLIED GEOLOGY

Unit 23
Abbey Park
Stareton
Kenilworth
CV8 2LY

Tel: 02476 511 822
email: admin@appliedgeology.co.uk

Client:
Newlands Developments

Project:
Hoyland Common, Barnsley, M1 Junction 36

Title:
Trial Trench Record

TT2001

TRIAL PIT LOG

TT2002 EAST

Project Hoyland Common, Barnsley

Project No. AG3080-19

Client Newlands Developments

Sheet 1 of 1

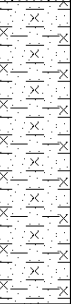
Date 24/02/2020

Scale 1:25

Ground Level 146.63m AOD

Coordinates E 435140.00 N 400349.66

Total Depth 1.50m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
			146.33	(0.30) 0.30	E	Very soft brown and dark brown slightly gravelly slightly sandy CLAY with occasional decomposing plant matter (straw). Gravel is fine to coarse subangular brick, sandstone, rare siltstone and mudstone. (TOPSOIL/MADE GROUND)		
				(1.00)	E	Firm to stiff light grey mottled orangish brown silty locally slightly fine sandy CLAY with rare rootlets. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			145.33	1.30		<i>Below 1.00m bgl: occasional fine siltstone lithorelicts.</i>		
			145.13	(0.20) 1.50	E	Stiff friable grey locally dark grey and orangish brown CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
						End of Trial Pit at 1.50m		

Method: 20T Tracked excavator

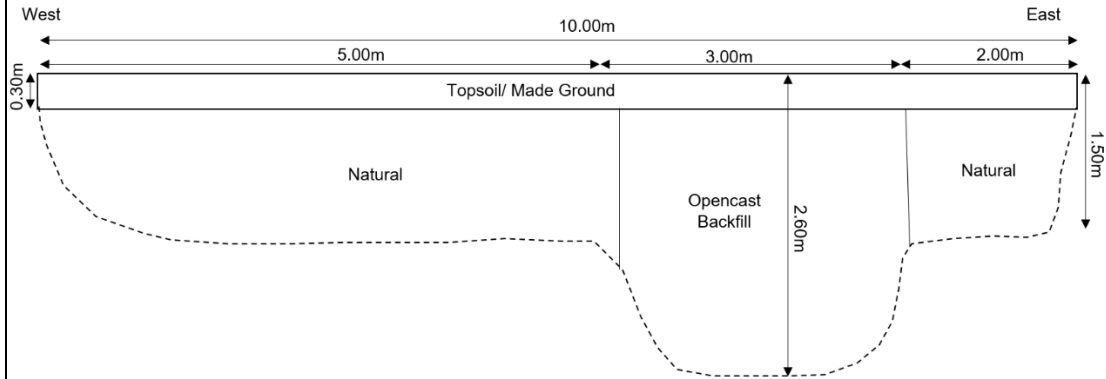
Groundwater: Seepage at surface.

Stability: Predominantly good.

Remarks: Trench backfilled with arisings on completion. See also log for TT2002 SOUTH.

Length:	10.00m
Width:	0.60m
Logged:	FC
Checked:	SD

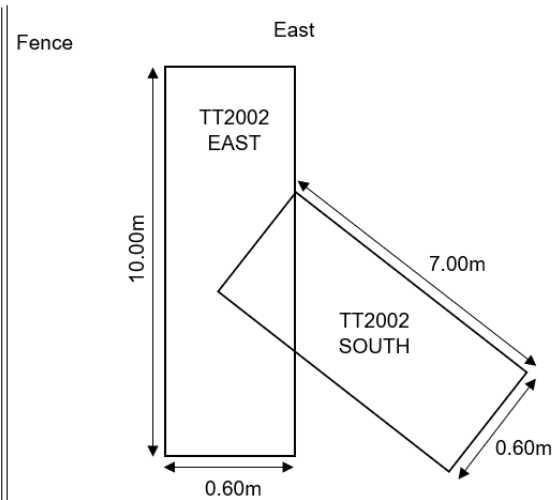
Cross Section Sketch



Looking northwest



Plan Sketch



Looking northwest



APPLIED GEOLOGY

Unit 23
Abbey Park
Stareton
Kenilworth
CV8 2LY

Tel: 02476 511 822
email: admin@appliedgeology.co.uk

Client: Newlands Developments

Project: Hoyland Common, Barnsley, M1 Junction 36

Title:

Trial Trench Record

TT2002 EAST

TT2002 SOUTH

Project No. AG3080-19

Sheet 1 of 1

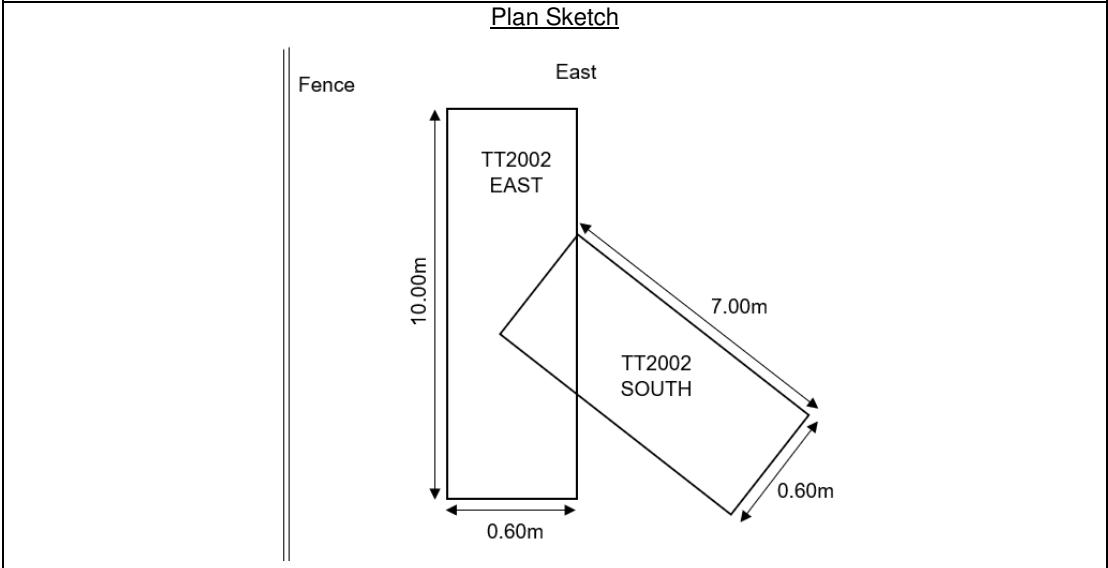
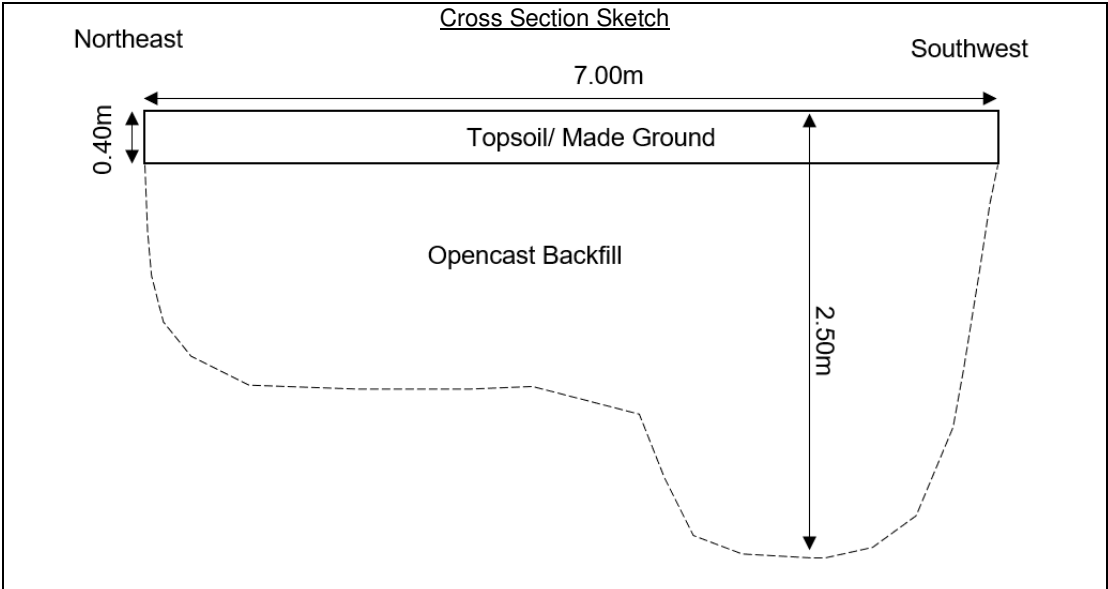
Scale 1:25

Total Depth

2.50m

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Significant spalling in opencast backfill.
Remarks: Trench backfilled with arisings on completion. See also log for TT2002 EAST.

Length:	7.00m
Width:	0.60m
Logged:	FC
Checked:	SD



APPLIED GEOLOGY Unit 23 Abbey Park Stareton Kenilworth CV8 2LY Tel: 02476 511 822 email: admin@appliedgeology.co.uk	Client: Newlands Developments	Title: Trial Trench Record	TT2002 SOUTH
	Project: Hoyland Common, Barnsley, M1 Junction 36		

TRIAL PIT LOG

TT2003 EAST

Project Hoyland Common, Barnsley

Project No. AG3080-19

Client Newlands Developments

Sheet 1 of 1

Date 24/02/2020

Scale 1:25

Ground Level 146.12m AOD

Coordinates E 435072.43 N 400275.43

Total Depth 2.60m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	1.00		145.72	(0.40)	E	Very soft dark brown silty slightly gravelly CLAY with occasional pockets of decomposing plant matter (straw). Gravel is fine to coarse subangular brick, ironstone and mudstone. (TOPSOIL/MADE GROUND)		
				0.40	E	Soft brown and grey locally dark grey silty gravelly to very gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular predominantly mudstone, occasional cobbles and rare coal. Cobbles are subangular mudstone. (MADE GROUND - OPENCAST BACKFILL)		
				(0.30)		Grey, dark grey and black slightly clayey slightly fine sandy GRAVEL and COBBLES with occasional cobble sized pockets of gravelly very soft clay. (MADE GROUND - OPENCAST BACKFILL)		
D	1.50		145.42	0.70	E			
B	2.00							
D	2.50							
			143.52	2.60		End of Trial Pit at 2.60m		

Method: 20T Tracked excavator

Groundwater: Fast water ingress from approximately 1.30m bgl.

Stability: Very poor from 1.00m bgl.

Remarks: Trench backfilled with arisings on completion. See also log for TT2003 WEST.

Length:	7.50m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TT2003 WEST

Project Hoyland Common, Barnsley

Project No. AG3080-19

Client Newlands Developments

Sheet 1 of 1

Date 24/02/2020

Scale 1:25

Ground Level 144.66m AOD

Coordinates E 435054.41 N 400276.96

Total Depth 1.80m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.20			(0.40)	E	Very soft dark brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to medium subangular ironstone, sandstone, mudstone and brick. (TOPSOIL/MADE GROUND)		
			144.26	0.40	E	Soft grey very gravelly silty CLAY. Gravel is fine to coarse subangular mudstone, occasional siltstone and occasional coal. (MADE GROUND - OPENCAST BACKFILL)		
			143.86	0.80	E	Firm brown locally grey slightly gravelly silty CLAY. Gravel is fine to medium subangular mudstone, siltstone and ironstone. (MADE GROUND - OPENCAST BACKFILL)		
D	1.20		143.56	1.10		Firm locally rare closely spaced fissures light grey mottled orangish brown silty CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				(0.70)	E	Between 1.60m and 1.65m bgl: thin seam of coal gravel/sand.		
			142.86	1.80		End of Trial Pit at 1.80m		

Method: 20T Tracked excavator

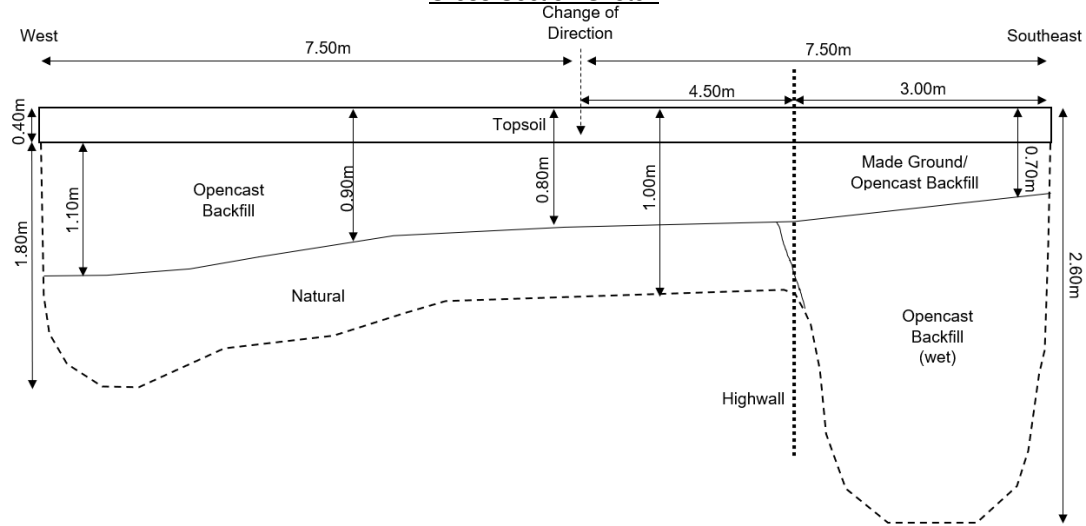
Groundwater: Seepage at 0.40m to 0.90m bgl.

Stability: Stable.

Remarks: Trench backfilled with arisings on completion. Strata below 0.70m bgl very loose and waterlogged. See also log for TT2003 EAST.

Length:	7.50m
Width:	0.60m
Logged:	FC
Checked:	SD

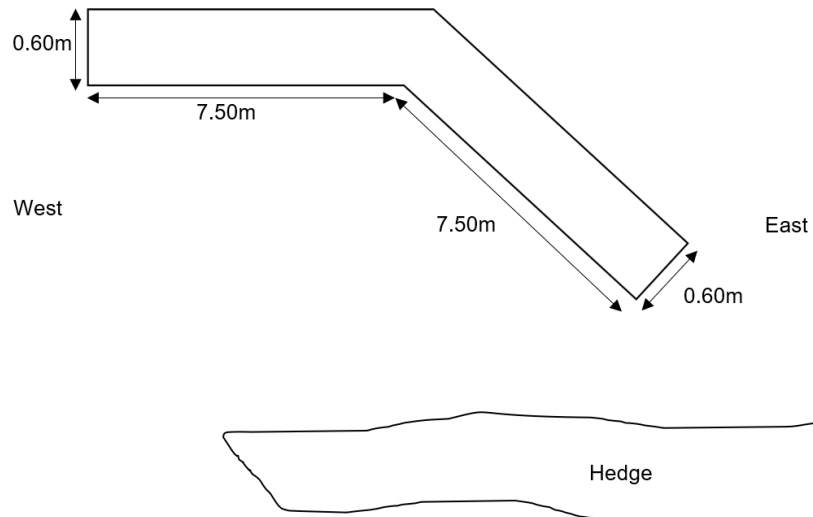
Cross Section Sketch



Looking north



Plan Sketch



Looking southeast



APPLIED GEOLOGY

Unit 23
Abbey Park
Stareton
Kenilworth
CV8 2LY

Tel: 02476 511 822
email: admin@appliedgeology.co.uk

Client:
Newlands Developments

Project:
Hoyland Common, Barnsley, M1 Junction 36

Title:

Trial Trench Record

TT2003

TRIAL PIT LOG

TT2004 EAST

Project Hoyland Common, Barnsley

Project No. AG3080-19

Client Newlands Developments

Sheet 1 of 1

Date 26/02/2020

Scale 1:25

Ground Level 148.58m AOD

Coordinates E 435137.82 N 400267.01

Total Depth 3.20m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.40		148.18	0.40	E	Very soft dark brown and brown slightly gravelly silty CLAY with rare rootlets and rare roots. Gravel is fine to coarse subangular sandstone, coal, siltstone and rare brick fragments. (TOPSOIL/MADE GROUND)		
D	0.80					Firm locally soft friable orangish brown mottled light grey slightly gravelly silty CLAY with rare roots (<5mm diameter) and occasional to frequent subangular (tabular) cobbles of sandstone and siltstone. Gravel is fine to coarse subangular sandstone and siltstone. (MADE GROUND - OPENCAST BACKFILL)		
ES	1.00			(1.40)	E			
B	1.50							
			146.78	1.80				
D	2.00			(0.70)	E	Orangish brown mottled grey silty/clayey GRAVEL and COBBLES. Gravel is fine to coarse subangular tabular siltstone and occasional sandstone. Cobbles are subangular tabular predominantly siltstone. (MADE GROUND - OPENCAST BACKFILL)		
			146.08	2.50				
D	2.80			(0.50)	E-M	Grey and locally light grey mottled orangish brown GRAVEL and COBBLES. Gravel and cobbles are siltstone. (PENNINE MIDDLE COAL MEASURES FORMATION)		
	3.00		145.58	3.00				
D	3.20		145.38	3.20	M	Extremely weak grey locally orangish brown SILTSTONE recovered as predominantly slightly gravelly cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
						End of Trial Pit at 3.20m		

Method: 20T Tracked excavator

Groundwater: Slight seepage in natural bedrock.

Stability: Poor in loose backfill, stable in natural.

Remarks: Trench backfilled with arisings on completion. See also log for TT2004 WEST.

Length:	14.40m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TT2004 WEST

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 26/02/2020

Project No. AG3080-19
Sheet 1 of 1
Scale 1:25

Ground Level 148.23m AOD **Coordinates** E 435126.19 N 400261.71 **Total Depth** 3.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.50		147.83	(0.40)	E	Very soft dark brown slightly gravelly silty CLAY with rare rootlets and pockets of decomposing organic matter (straw). Gravel is fine to coarse subangular siltstone, brick, sandstone and occasional mudstone and coal. (TOPSOIL/MADE GROUND)		
				0.40		Firm friable greyish brown and brown gravelly silty CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded predominantly mudstone, occasional ironstone and siltstone. (MADE GROUND - OPENCASE BACKFILL)		
D	1.00			(1.10)	E			
B	1.50		146.73	1.50		Firm locally stiff greyish brown and grey gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular predominantly mudstone, occasional coal, ironstone and siltstone. (MADE GROUND - OPENCASE BACKFILL)		
D	2.00			(1.50)	E			
D ES	3.00		145.23	3.00		End of Trial Pit at 3.00m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trench backfilled with arisings on completion. See also log for TT2004 EAST.

Length:	19.00m
Width:	0.60m
Logged:	FC
Checked:	SD