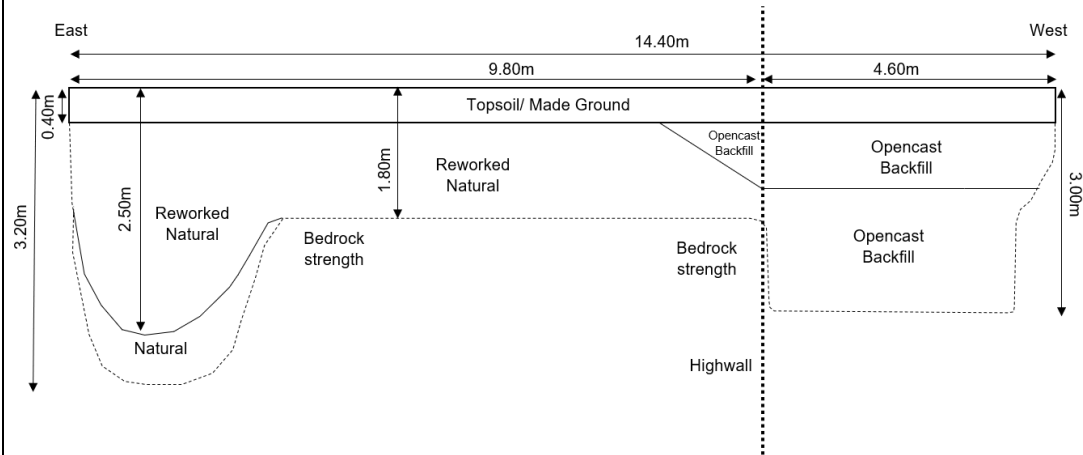


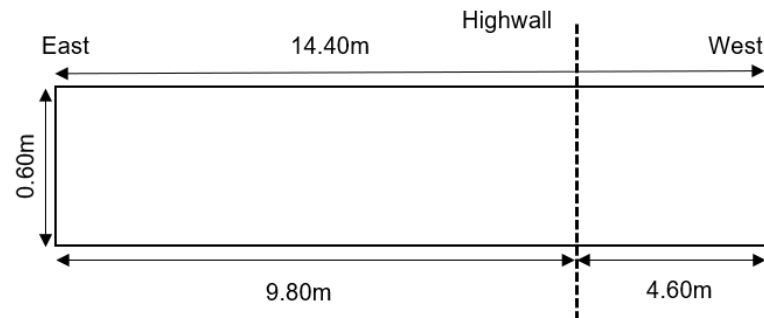
Cross Section Sketch



Looking south



Plan Sketch



Looking west



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Project:
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Title:
Trial Trench Record

TT2004

TRIAL PIT LOG

TT2005 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

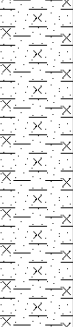
148.57m AOD

Coordinates

E 435156.13 N 400214.64

Total Depth

1.50m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
LB	0.80		148.17	(0.40)	E	Very soft dark brown slightly gravelly silty CLAY with occasional rootlets and frequent siltstone cobbles (tabular). Gravel is fine to coarse subangular brick, ceramic tile and siltstone. (TOPSOIL/MADE GROUND)		
				0.40		Firm orangish brown mottled light grey silty fine sandy CLAY with rare siltstone fine to medium lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			147.07	(1.10)	E	<i>Between 1.30m and 1.50m bgl: frequent siltstone gravel and cobble sized lithorelicts.</i>		
				1.50		End of Trial Pit at 1.50m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trench backfilled with arisings on completion. See also log for TT2005 WEST.

Length:	9.50m
Width:	0.60m
Logged:	FC
Checked:	SD

TT2005 WEST

Project No. AG3080-19

Sheet 1 of 1

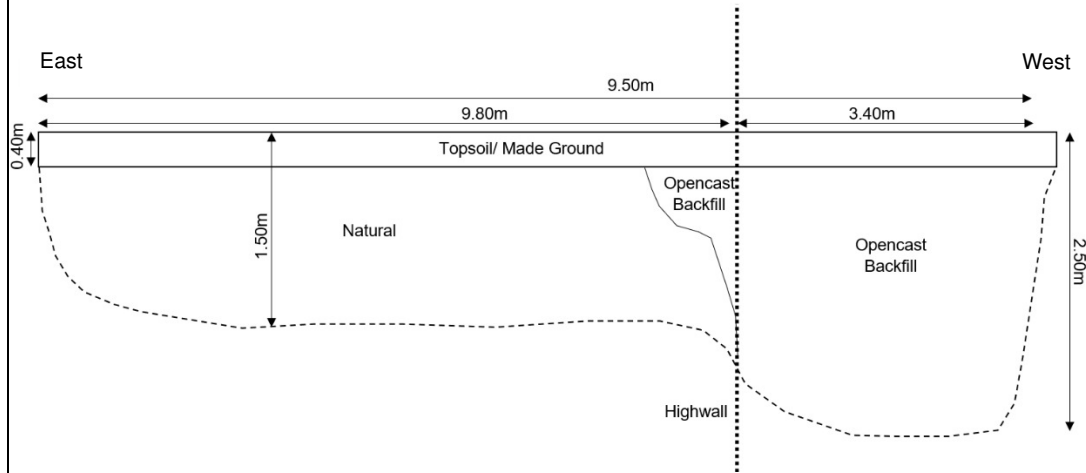
Scale 1:25

Total Depth 2.50m

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trench backfilled with arisings on completion. See also log for TT2005 EAST.

Length:	9.50m
Width:	0.60m
Logged:	FC
Checked:	SD

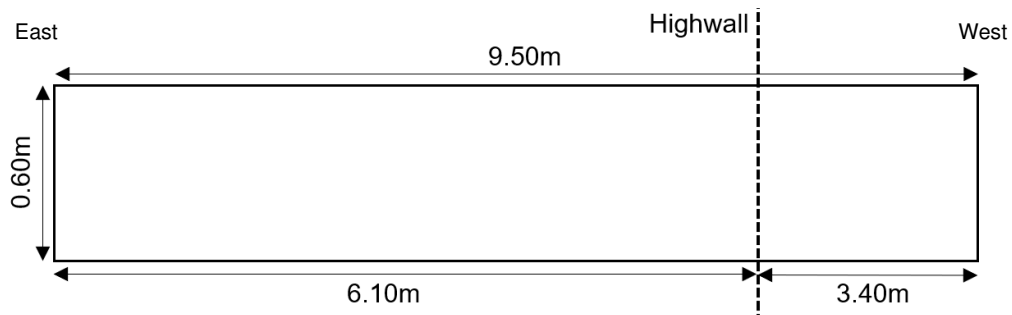
Cross Section Sketch



Looking south



Plan Sketch



Looking south



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Trial Trench Record

TT2005

TRIAL PIT LOG

TT2006 EAST

Project Hoyland Common, Barnsley

Project No. AG3080-19

Client Newlands Developments

Sheet 1 of 1

Date 27/02/2020

Scale 1:25

Ground Level 144.74m AOD

Coordinates E 435065.10 N 400120.17

Total Depth 2.80m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
B	2.50		144.54	(0.20) 0.20	E	Dark brown slightly sandy slightly gravelly silty CLAY with rare rootlets. Gravel is fine to coarse subrounded siltstone, subangular mudstone and ironstone and rare carbonaceous mudstone. (TOPSOIL/MADE GROUND)		
						Firm grey with yellowish brown mottling gravelly silty CLAY with occasional siltstone and ironstone cobbles. Gravel is fine to coarse subangular to angular ironstone, mudstone, siltstone and occasional coal and carbonaceous mudstone. (MADE GROUND - OPENCASE BACKFILL)		
				(2.50)	E			
			142.04 141.94	2.70 (0.10) 2.80	M	Stiff fissured grey CLAY with rare mudstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION) End of Trial Pit at 2.80m		

Method: 20T Tracked excavator

Groundwater: Seepage at 2.30m bgl.

Stability: Stable.

Remarks: Trench backfilled with arisings on completion. See also log for TT2006 WEST.

Length: 7.50m

Width: 0.80m

Logged: AP

Checked: SD

TRIAL PIT LOG

TT2006 WEST

Project Hoyland Common, Barnsley

Project No. AG3080-19

Client Newlands Developments

Sheet 1 of 1

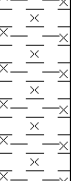
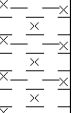
Date 27/02/2020

Scale 1:25

Ground Level 144.74m AOD

Coordinates E 435065.10 N 400120.17

Total Depth 2.20m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.10		144.54	(0.20) 0.20	E-M	Dark brown slightly sandy slightly gravelly silty CLAY with rare rootlets. Gravel is fine to coarse subrounded siltstone, subangular mudstone and ironstone and rare carbonaceous mudstone. (TOPSOIL/MADE GROUND)		
				(0.70)	E-M	Firm becoming stiff very closely to closely fissured light orangish brown with light brown and grey mottling silty CLAY with rare to occasional bands (<50mm thick) of thickly laminated carbonaceous mudstone lithorelicts. Fissures are undulating rough and occasionally polished. (PENNINE MIDDLE COAL MEASURES FORMATION)		
B D ES	0.80 0.80 0.80		143.84	0.90		Black semi dull clarain COAL with carbonaceous mudstone lamination and thin beds. Recovered as silty sandy gravel of coal and carbonaceous mudstone. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				(0.90)	E-M			
D	1.50							
			142.94	1.80				
D	1.90			(0.40)	E-M	Stiff grey closely fissured silty CLAY with rare mudstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			142.54	2.20		End of Trial Pit at 2.20m		

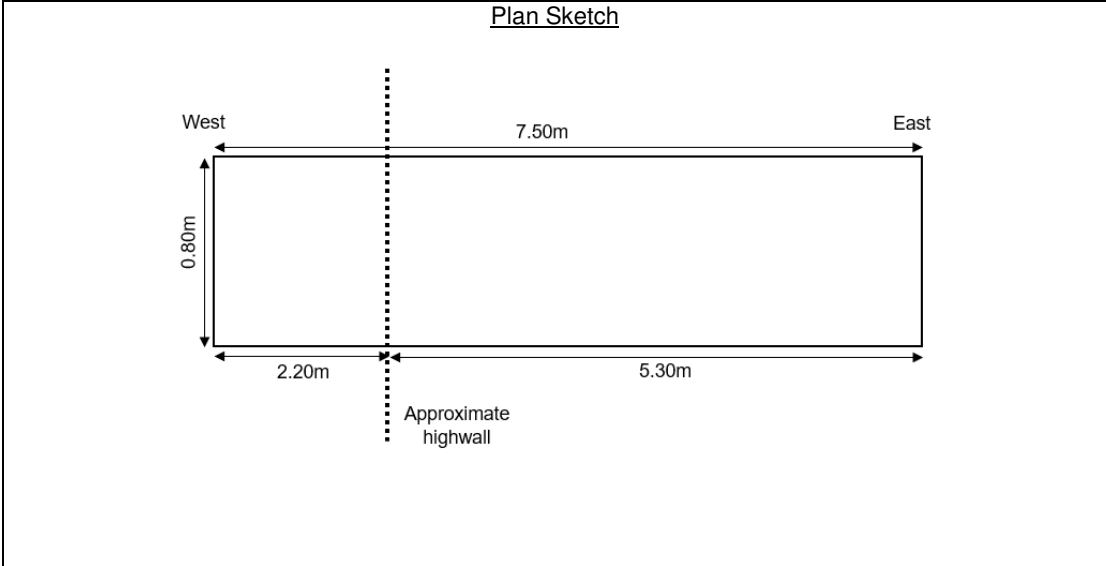
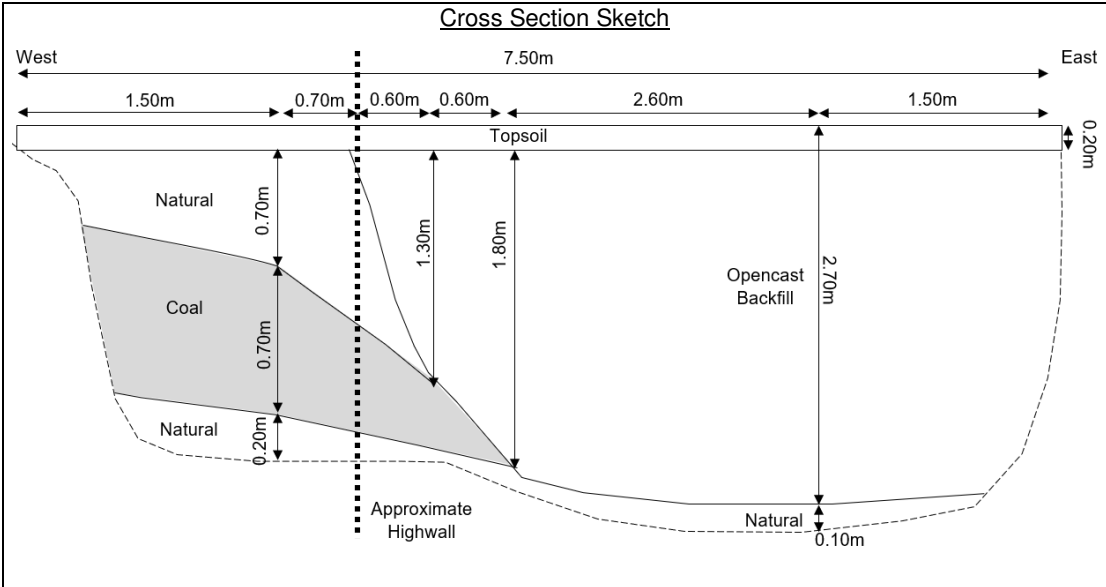
Method: 20T Tracked excavator

Groundwater: Seepage at 2.30m bgl.

Stability: Stable.

Remarks: Groundwater seepage emanating from end of coal seam. Trench backfilled with arisings on completion. See also log for TT2006 EAST.

Length:	7.50m
Width:	0.80m
Logged:	AP
Checked:	SD



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Title: Trial Trench Record

TT2006

TRIAL PIT LOG

TT2007

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

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

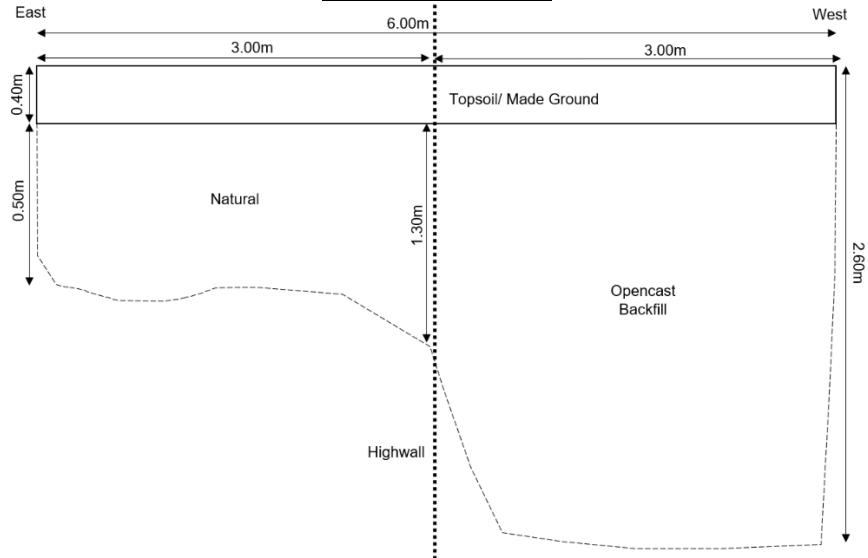
Ground Level 146.97m AOD **Coordinates** E 435133.57 N 400123.27 **Total Depth** 2.60m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		146.57	(0.40)	E	Very soft dark brown slightly gravelly silty CLAY. Gravel is fine to coarse subangular to subrounded brick, siltstone, mudstone and occasional coal. (TOPSOIL/MADE GROUND)		
				0.40		Firm locally soft dark grey, greyish brown slightly gravelly to gravelly silty CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded coal, mudstone, ironstone and siltstone. Cobbles are subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL) <i>Between 0.40m and 0.80m bgl: locally black, coal included in gravel.</i>		
D	1.00							
D	1.50			(2.20)	E			
B	2.00							
D	2.50							
ES	2.60		144.37	2.60		End of Trial Pit at 2.60m		

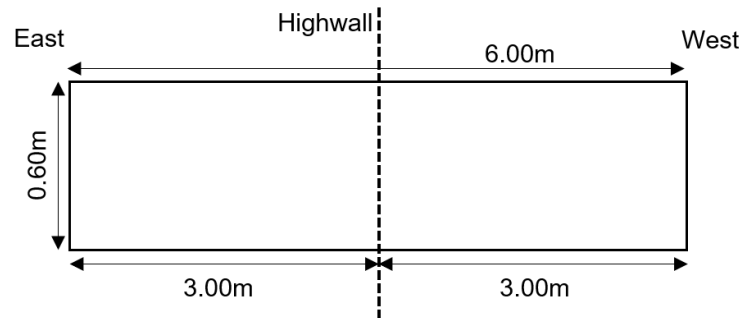
Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trench backfilled with arisings on completion.

Length:	6.00m
Width:	0.60m
Logged:	FC
Checked:	SD

Cross Section Sketch



Plan Sketch



Arisings



Looking east



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Title:
Trial Trench Record

TT2007

TRIAL PIT LOG

TT2008 EAST

Project Hoyland Common, Barnsley

Project No. AG3080-19

Client Newlands Developments

Sheet 1 of 1

Date 27/02/2020

Scale 1:25

Ground Level 143.09m AOD

Coordinates E 435076.86 N 399995.74

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	2.00		142.84	(0.25) 0.25		Dark brown slightly sandy slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse subrounded quartzite, siltstone and subangular ironstone and rare ceramic. (TOPSOIL/MADE GROUND)		
						Firm light brown and grey gravelly silty CLAY with occasional siltstone cobbles. Gravel is fine to coarse subangular to angular siltstone, sandstone, ironstone with rare coal/carbonaceous mudstone. (MADE GROUND - OPENCAST BACKFILL)		
				(2.05)				
D	2.50		140.79	2.30 (0.70)		Black semi dull clarain COAL with lenses/laminations and thin beds (<50mm thick) of carbonaceous mudstone. Recovered as silty sandy gravel. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.10		140.09 139.89	3.00 (0.20) 3.20		Stiff to very stiff grey CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
						End of Trial Pit at 3.20m		

Method: 20T Tracked excavator

Groundwater: Seepage in coal at 3.00m bgl.

Stability: Stable.

Remarks: Trench backfilled with arisings on completion. Also see log TT2008 WEST.

Length:	10.40m
Width:	0.80m
Logged:	AP
Checked:	SD

TRIAL PIT LOG

TT2008 WEST

Project Hoyland Common, Barnsley

Project No. AG3080-19

Client Newlands Developments

Sheet 1 of 1

Date 27/02/2020

Scale 1:25

Ground Level 143.09m AOD

Coordinates E 435076.86 N 399995.74

Total Depth 1.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.30		142.84	(0.25)		Dark brown slightly sandy slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse subrounded quartzite, siltstone and subangular ironstone and rare ceramic.		
			142.74	(0.10)		(TOPSOIL/MADE GROUND)		
D	0.60			0.35		Black and dark grey clayey sandy GRAVEL of fine to coarse angular coal and carbonaceous mudstone.		
ES	0.60					(PENNINE MIDDLE COAL MEASURES FORMATION)		
				(0.65)		Stiff closely fissured yellow-brown and light brown with grey mottling silty CLAY.		
						(PENNINE MIDDLE COAL MEASURES FORMATION)		
			142.09	1.00		End of Trial Pit at 1.00m		

Method: 20T Tracked excavator

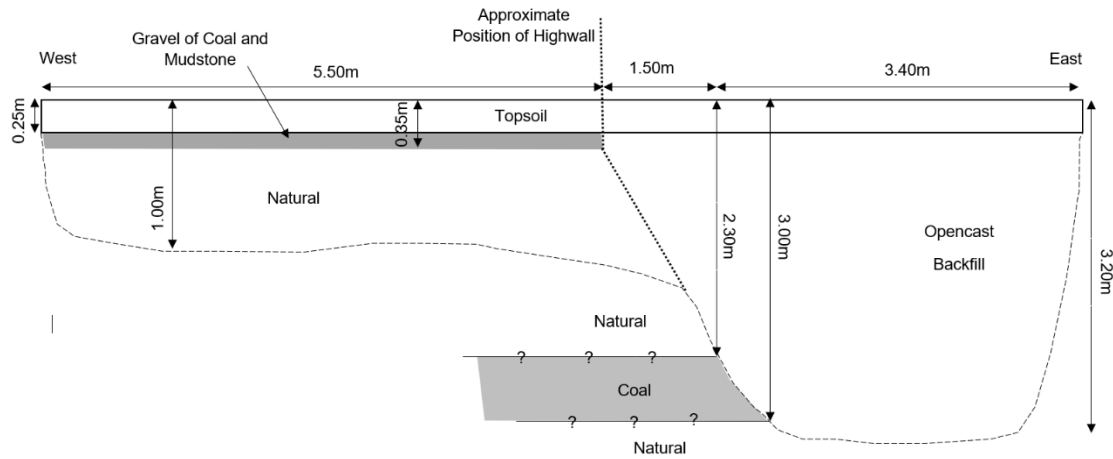
Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trench backfilled with arisings on completion. Also see log TT2008 EAST.

Length:	10.40m
Width:	0.80m
Logged:	AP
Checked:	SD

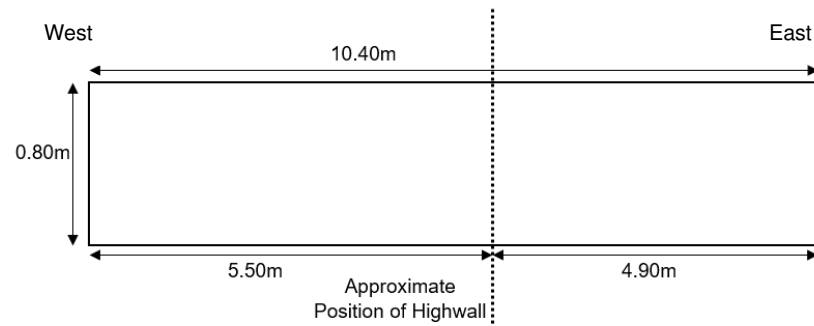
Cross Section Sketch



Arisings



Plan Sketch



Looking west



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Project:

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Title:

Trial Trench Record

TT2008

TRIAL PIT LOG

TT2009

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

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

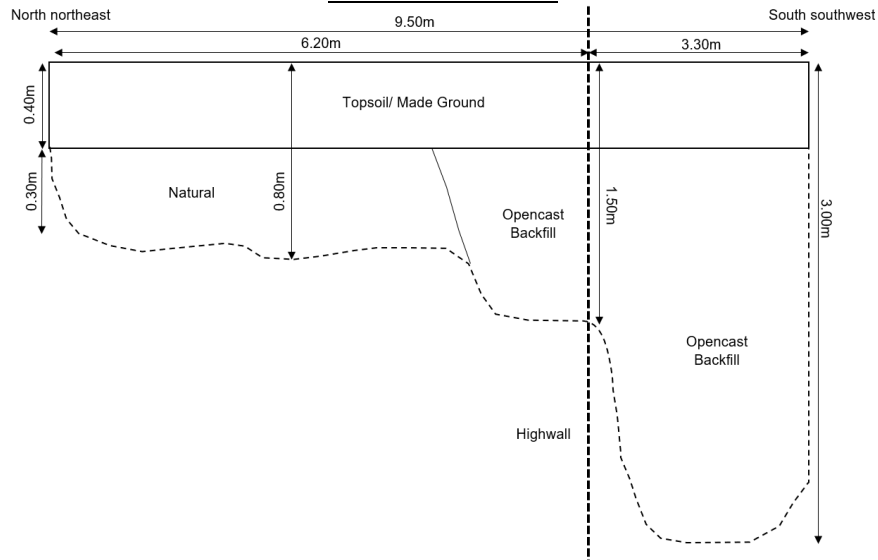
Ground Level 146.55m AOD **Coordinates** E 435163.69 N 400026.61 **Total Depth** 3.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		146.15	(0.40)	E	Very soft dark brown slightly gravelly silty CLAY with occasional pockets of decomposing straw. Gravel is fine to coarse subangular to subrounded siltstone, brick and sandstone. (TOPSOIL/MADE GROUND)		
				0.40		Firm grey and brownish grey silty gravelly CLAY with occasional cobbles. Gravel is fine to coarse angular to subangular siltstone, mudstone, sandstone and rare coal. Cobbles are subangular siltstone and mudstone. (MADE GROUND - OPENCASE BACKFILL) <i>From 0.40m and 0.90m bgl: locally orangish brown.</i>		
D	1.00							
				(2.60)	E			
D	2.50							
LB	2.50							
			143.55	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.

Length:	9.50m
Width:	0.60m
Logged:	FC
Checked:	SD

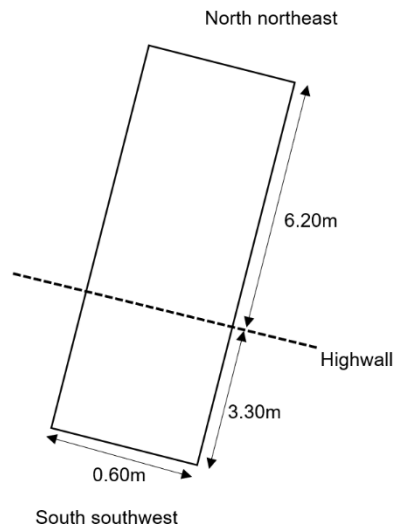
Cross Section Sketch



Looking northeast



Plan Sketch



Looking north northeast



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Title:

Trial Trench Record

TT2009

TRIAL PIT LOG

TT2010 NORTH

Project Hoyland Common, Barnsley

Project No. AG3080-19

Client Newlands Developments

Sheet 1 of 1

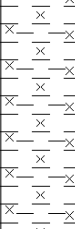
Date 05/02/2020

Scale 1:25

Ground Level 143.53m AOD

Coordinates E 435110.66 N 399947.54

Total Depth 2.35m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.80		143.23	(0.30)		Very soft brown slightly gravelly silty CLAY with frequent rootlets. Gravel is subangular sandstone and rare brick. (TOPSOIL/MADE GROUND)		
				0.30		Firm locally stiff light grey mottled light orangish silty CLAY with occasional rootlets and rare roots. (PENNINE MIDDLE COAL MEASURES FORMATION) <i>Between 0.30m and 0.50m bgl: locally closely fissured.</i>		
			142.43	(0.80)				
				1.10		Very weak yellowish brown and grey SILTSTONE recovered as tabular gravel and cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				(1.25)				
			141.18	2.35		End of Trial Pit at 2.35m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trench backfilled with arisings on completion. See also log for TT2010 SOUTH.

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

TRIAL PIT LOG

TT2010 SOUTH

Project Hoyland Common, Barnsley

Project No. AG3080-19

Client Newlands Developments

Sheet 1 of 1

Date 05/02/2020

Scale 1:25

Ground Level 143.50m AOD

Coordinates E 435116.57 N 399934.31

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	2.00		143.20	(0.30)		Very soft brown slightly gravelly silty CLAY with frequent rootlets. Gravel is subangular sandstone and rare brick. (TOPSOIL/MADE GROUND)		
				0.30		Soft friable greyish brown very gravelly CLAY with rare rootlets and frequent cobbles. Gravel is fine to coarse angular to subangular predominantly mudstone, rare coal and siltstone. Cobbles are subangular tabular mudstone and siltstone. (MADE GROUND - OPENCAST BACKFILL) <i>Between 0.30m and 0.55m bgl: yellowish brown slightly gravelly.</i>		
			141.00	(2.20)		End of Trial Pit at 2.50m		

Method: 20T Tracked excavator

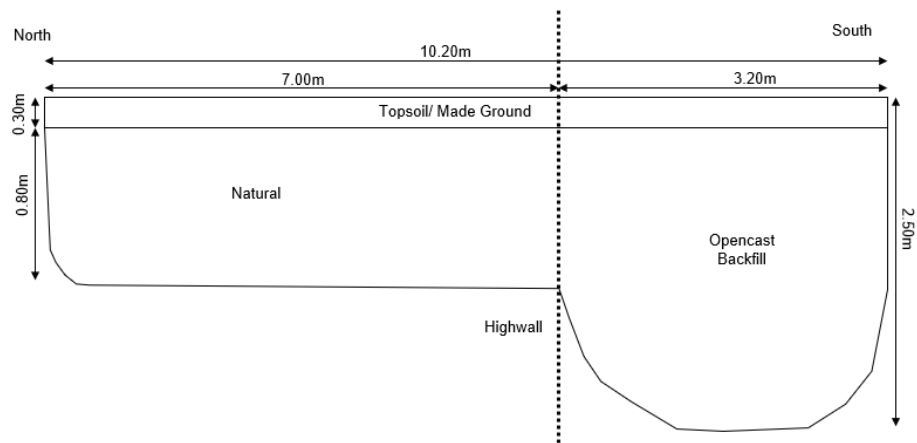
Groundwater: Groundwater not encountered.

Stability: Poor stability in Opencast Backfill.

Remarks: Trench backfilled with arisings on completion. See also log for TT2010 NORTH.

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

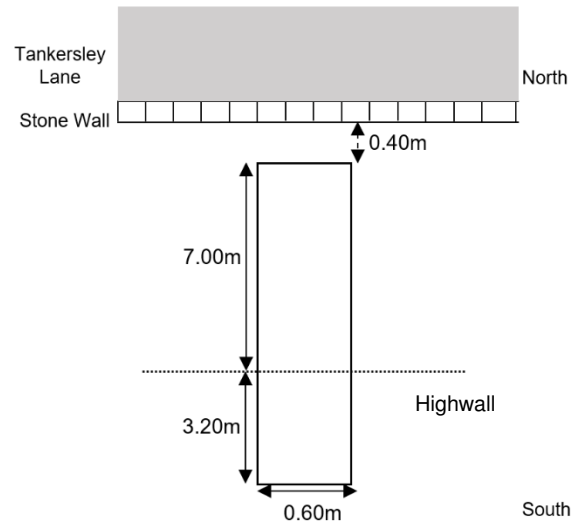
Cross Section Sketch



Looking south



Plan Sketch



Looking east



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Project:

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Title:

Trial Trench Record

TT2010

TRIAL PIT LOG

TT2011 EAST

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

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

Ground Level 144.53m AOD **Coordinates** E 435145.65 N 399914.60 **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	0.60		144.33	(0.20)		Soft brown and dark brown slightly gravelly silty CLAY with occasional to frequent rootlets. Gravel is fine to medium subangular siltstone and sandstone. (TOPSOIL)		
				0.20		Firm to stiff light grey mottled orangish brown silty CLAY with rare fine to medium siltstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			142.98	(1.35)		Between 1.00m and 1.55m bgl: locally closely fissured.		
				1.55		Extremely weak to very weak grey and light orangish brown SILTSTONE recovered as fine to coarse subangular tabular silty gravel and occasional cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			141.93	2.60		End of Trial Pit at 2.60m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trench backfilled with arisings on completion. See also log for TT2011 WEST.

Length:	32.00m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TT2011 WEST

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

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

Ground Level 143.86m AOD **Coordinates** E 435124.82 N 399898.43 **Total Depth** 2.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
			143.66	(0.20) 0.20		Soft brown and dark brown slightly gravelly silty CLAY with occasional to frequent rootlets. Gravel is fine to medium subangular siltstone and sandstone. (TOPSOIL/MADE GROUND)		
ES	0.60					Soft locally friable grey mottled dark grey and orangish brown slightly gravelly to gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular siltstone, mudstone, occasional coal and ironstone. Cobbles are subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL)		
D	0.80					<i>Between 0.20m and 0.40m bgl: locally orangish brown slightly gravelly.</i>		
				(1.80)				
D	2.00		141.86	2.00		End of Trial Pit at 2.00m		

Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trench backfilled with arisings on completion. See also log for TT2011 EAST.

Length:	32.00m
Width:	0.60m
Logged:	FC
Checked:	SD

A cross-section sketch of the road profile. The road width is 32.20m, with a 30.00m section of topsoil and a 2.20m section of opencast backfill. The total height of the road is 2.60m. The profile shows a dashed line for the ground surface, with a 0.30m depth of topsoil and a 2.00m depth of opencast backfill. The ground surface is divided into two sections: a 1.25m section of natural ground and a 1.05m section of natural ground. A vertical dashed line indicates the location of the highwall.

A large orange excavator is shown in the process of digging a deep trench in a grassy field. The excavator's arm and bucket are visible on the left side of the frame. A scale bar, similar to the one in the previous image, is placed vertically within the trench to provide a sense of scale. The background shows a line of trees and a cloudy sky.

Plan Sketch

The plan sketch shows a rectangular building with a width of 0.60m. The length of the building is 30.00m. A dashed vertical line, labeled 'Highwall', is located 2.20m to the right of the building's right edge. The total distance from the left edge of the building to the highwall is 32.20m. The orientation is indicated by the word 'East' to the right of the building.

TT2011

TRIAL PIT LOG

TT2012

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 31/01/2020

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

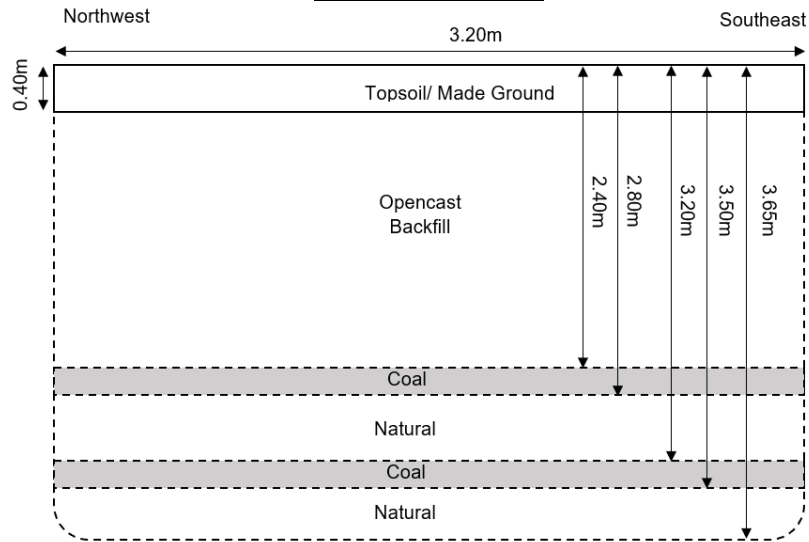
Ground Level 149.46m AOD **Coordinates** E 435269.27 N 399699.14 **Total Depth** 3.65m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		149.06	(0.40)	E	Very soft to soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone and brick fragments. (TOPSOIL/MADE GROUND)		
				0.40	E	Firm locally soft and locally stiff orangish brown mottles light grey slightly gravelly silty CLAY. Gravel is fine to medium subangular to subrounded occasionally of mudstone, and siltstone and rarely ironstone and coal. (MADE GROUND - OPENCAST BACKFILL)		
ES D	1.20 1.30		148.76	(0.30)	E	Firm greyish brown and grey locally dark grey silty slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular mudstone, siltstone and coal. (MADE GROUND - OPENCAST BACKFILL) <i>Between 0.70m and 0.75m bgl: black, locally high coal content.</i>		
				0.70	E	<i>Between 1.50m and 1.70m bgl: black, locally high coal content.</i>		
D	2.20		147.76	(1.00)	E	Soft brown and yellowish brown mottled grey slightly gravelly to gravelly silty CLAY. Gravel is fine to medium occasionally coarse subangular mudstone, siltstone and rare coal. (MADE GROUND - OPENCAST BACKFILL)		
				1.70	E	Black fusain semi bright and semi dull COAL. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.30		147.06	(0.40)	E	Stiff to very stiff thinly laminated grey and yellowish brown silty CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				2.40	E	Black vitrain and fusain semi bright COAL. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	3.60		146.66	(0.40)	E	Extremely weak light grey locally yellowish brown SILTSTONE recovered as slightly silty gravel and cobbles (tabular). (PENNINE MIDDLE COAL MEASURES FORMATION)		
				2.80	E	End of Trial Pit at 3.65m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable
Remarks: Trench backfilled with arisings on completion. See also log for TT2012A.

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

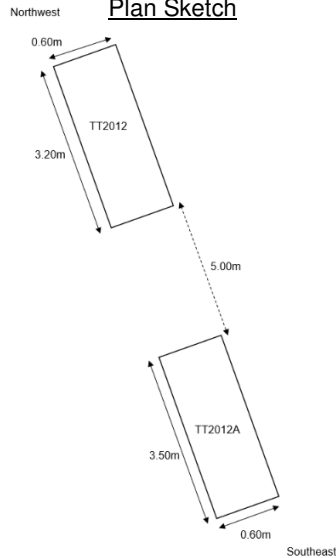
Cross Section Sketch



Arisings



Plan Sketch



Looking northwest



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Newlands Developments

Project:

Hoyland Common, Barnsley, M1 Junction 36

Title:

Trial Trench Record

TT2012

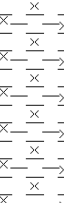
TRIAL PIT LOG

TT2012A

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 31/01/2020

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

Ground Level 149.75m AOD **Coordinates** E 435279.39 N 399684.52 **Total Depth** 2.70m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
			149.50	(0.25) 0.25	E	Very soft dark brown silty slightly gravelly CLAY with occasional rootlets. Gravel is fine to coarse subangular siltstone, ironstone and brick. (TOPSOIL/MADE GROUND)		
						Soft to firm locally stiff brown mottled grey and orangish brown with locally dark grey pockets slightly gravelly silty CLAY with occasional cobbles. Gravel is fine to medium subangular of occasional siltstone, mudstone and rare coal. (MADE GROUND - OPENCAST BACKFILL) <i>Between 0.25m to 1.00m bgl: very gravelly. Gravel is coarse and predominantly mudstone.</i>		
			147.75	(1.75) 2.00	E			
						Firm to stiff light grey mottled orangish brown silty CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				(0.70)	E	<i>Below 2.50m bgl: locally mottled grey.</i>		
			147.05	2.70		End of Trial Pit at 2.70m		

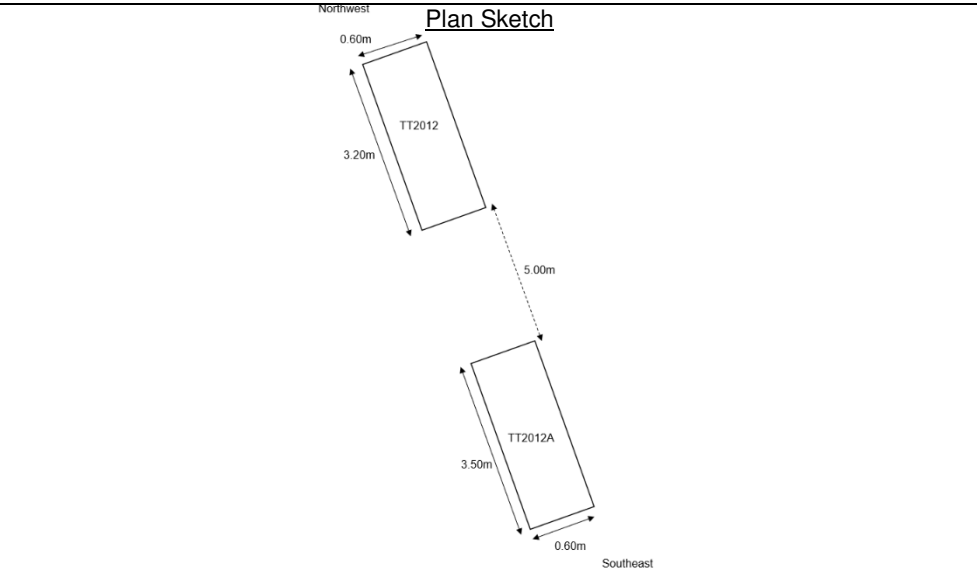
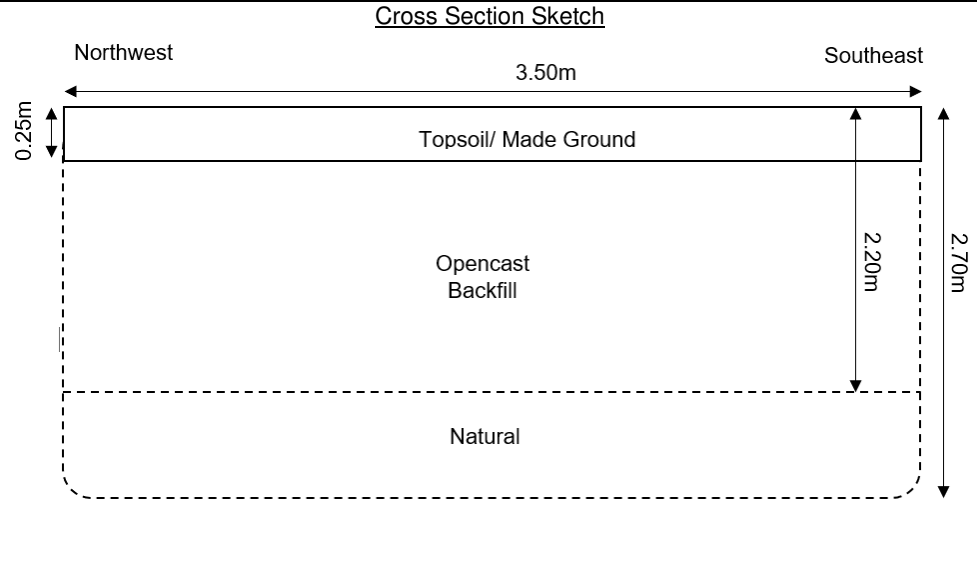
Method: 20T Excavator

Groundwater: Seepage at 2.20m bgl.

Stability: Stable

Remarks: Northwest end of pit is predominantly dark grey. Trench backfilled with arisings on completion. See also log for TT2012.

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



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Title: Trial Trench Record

TT2012A



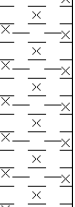
TRIAL PIT LOG

TT2013

Project Hoyland Common, Barnsley
Client Newlands Developments
Date 31/01/2020

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

Ground Level 149.02m AOD **Coordinates** E 435307.54 N 399736.02 **Total Depth** 1.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		148.72	(0.30)	E	Very soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse subangular brick, mudstone and siltstone. (TOPSOIL/MADE GROUND)		
				0.30		Firm to stiff orangish brown mottled light grey silty CLAY with rare fine to medium gravel sized siltstone and mudstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			148.02	(0.70)	E	End of Trial Pit at 1.00m		

Method: 20T Tracked Excavator

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Trench backfilled with arisings on completion. See also log for TT2013A and TT2013B.

Length:	4.00m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TT2013A

Project Hoyland Common, Barnsley

Project No. AG3080-19

Client Newlands Developments

Sheet 1 of 1

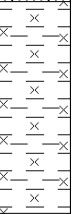
Date 31/01/2020

Scale 1:25

Ground Level 149.58m AOD

Coordinates E 435314.47 N 399728.76

Total Depth 1.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
			149.28	(0.30) 0.30	E	Very soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse subangular brick, mudstone and siltstone. (TOPSOIL/MADE GROUND)		
			148.58	(0.70) 1.00	E	Firm to stiff orangish brown mottled light grey silty CLAY with rare fine to medium gravel sized siltstone and mudstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
						End of Trial Pit at 1.00m		

Method: 20T Tracked Excavator

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Trench backfilled with arisings on completion. See also log for TT2013 and TT2013B.

Length:	5.10m
Width:	0.60m
Logged:	FC
Checked:	SD

TRIAL PIT LOG

TT2013B

Project Hoyland Common, Barnsley

Project No. AG3080-19

Client Newlands Developments

Sheet 1 of 1

Date 31/01/2020

Scale 1:25

Ground Level 149.58m AOD

Coordinates E 435321.38 N 399721.50

Total Depth 1.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
			149.28	(0.30) 0.30	E	Very soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse subangular brick, mudstone and siltstone. (TOPSOIL/MADE GROUND)		
			148.58	(0.70) 1.00	E	Firm to stiff orangish brown mottled light grey silty CLAY with rare fine to medium gravel sized siltstone and mudstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
						End of Trial Pit at 1.00m		

Method: 20T Tracked Excavator

Groundwater: Groundwater not encountered.

Stability: Stable

Remarks: Trench backfilled with arisings on completion. See also log for TT2013 and TT2013A.

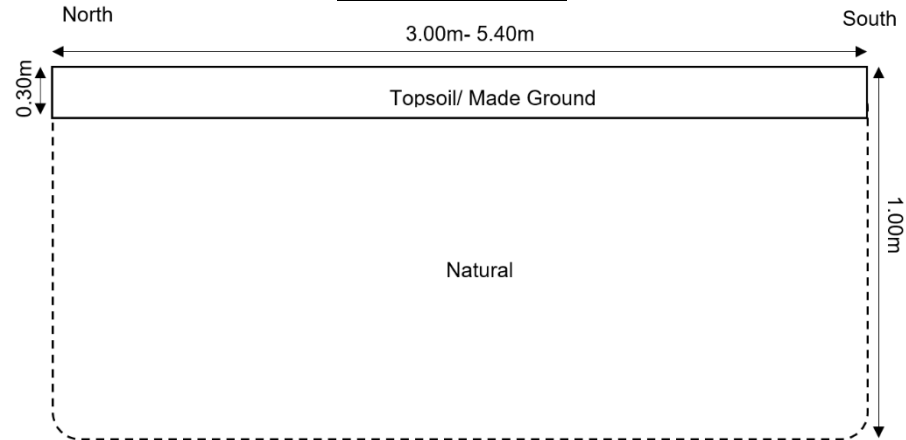
Length: 5.40m

Width: 0.60m

Logged: FC

Checked: SD

Cross Section Sketch

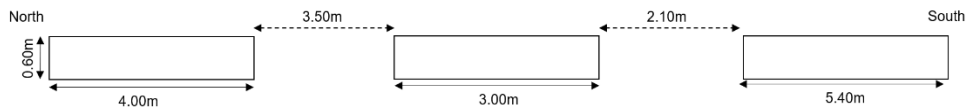


Log applicable to all three excavations

Looking south



Plan Sketch



Looking southeast



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Project:

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Title:

Trial Trench Record

TT2013

TRIAL PIT LOG

TT2014

Project Hoyland Common, Barnsley

Project No.

AG3080-19

Client Newlands Developments

Sheet

1 of 1

Date 27/01/2020

Scale

1:25

Ground Level 146.90m AOD

Coordinates

E 435314.02 N 399795.44

Total Depth

0.90m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.40		146.70	(0.20) 0.20	E	Very soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to medium subangular sandstone. (TOPSOIL)		
				(0.40)	E	Firm orangish brown silty CLAY with rare rootlets. (PENNINE MIDDLE COAL MEASURES FORMATION) <i>Between 0.27m and 0.30m bgl: soft.</i>		
D	0.80		146.30	0.60	E	Black dull fusain COAL recovered as slightly gravelly fine to coarse sand. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			146.20	(0.10) 0.70	E	Firm grey mottled light grey and light brown silty CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
			146.00	(0.20) 0.90	E	End of Trial Pit at 0.90m		

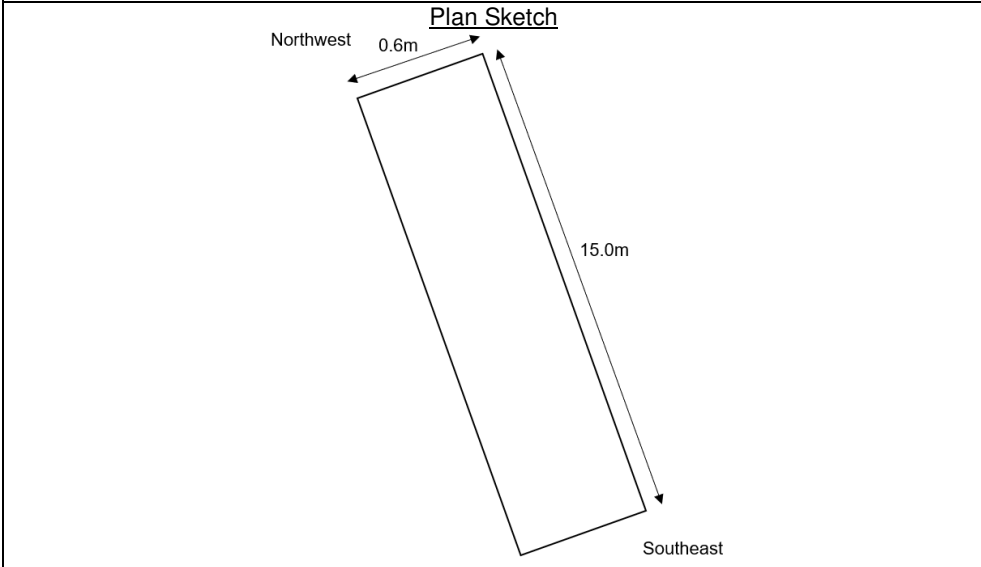
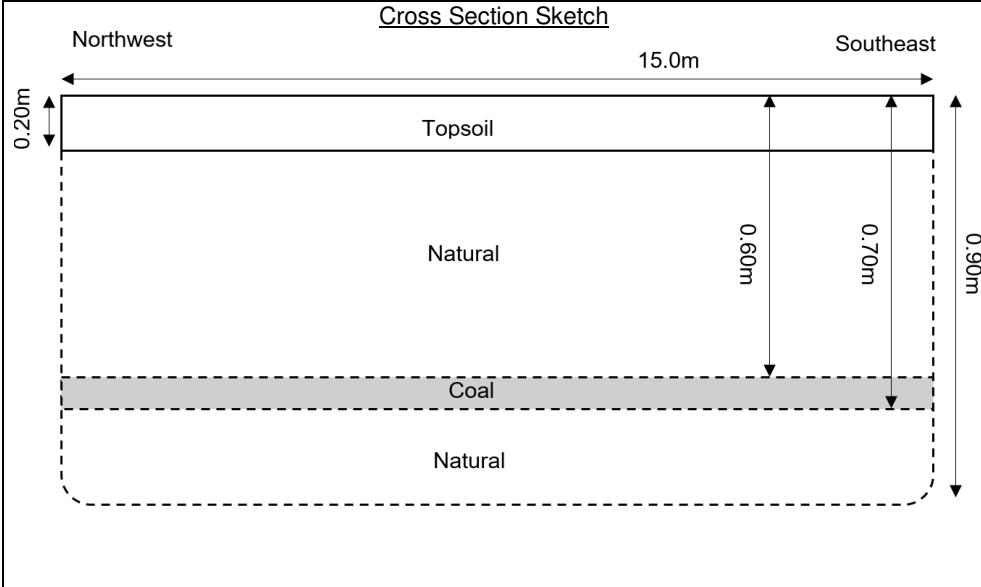
Method: 20T Tracked excavator

Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trench backfilled with arisings on completion. See also log for TT2014A.

Length:	15.00m
Width:	0.60m
Logged:	FC
Checked:	SD

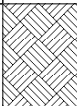
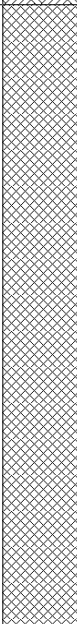


APPLIED GEOLOGY Unit 23 Abbey Park Stareton Kenilworth CV8 2LY Tel: 02476 511 822 email: admin@appliedgeology.co.uk	Client: Newlands Developments	Title: Trial Trench Record	TT2014
	Project: Hoyland Common, Barnsley, M1 Junction 36		

TT2014A

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

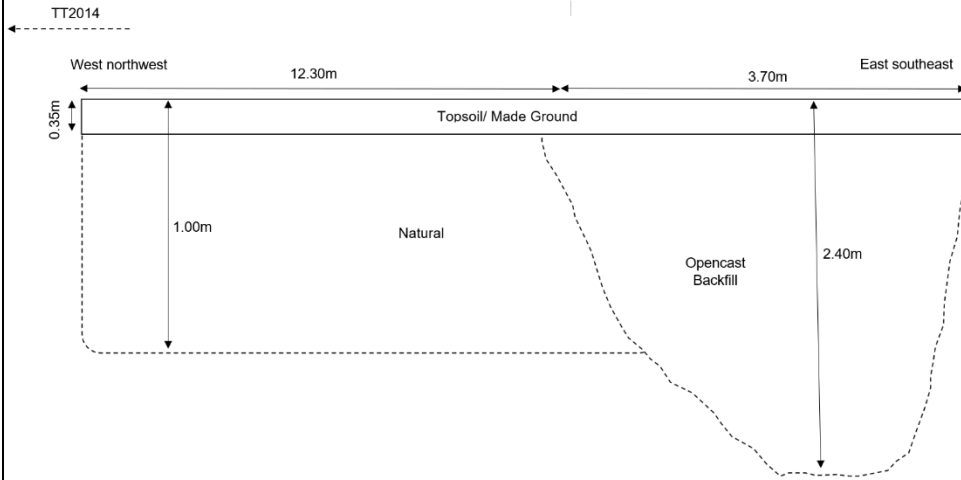
Ground Level	147.80m AOD	Coordinates	E 435341.70 N 399774.12	Total Depth	2.40m
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Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
			147.45	(0.35) 0.35		Very soft brown slightly gravelly silty CLAY with occasional rootlets. Gravel is fine to coarse angular to subangular siltstone, rare brick and ceramic. (TOPSOIL/MADE GROUND)		
				(2.05)		Soft to firm black and dark grey slightly gravelly to gravelly silty CLAY with rare cobbles. Gravel is fine to coarse angular to subangular mudstone and coal. Cobbles are subangular mudstone and siltstone. (MADE GROUND - OPENCAST BACKFILL)		
			145.40	2.40		End of Trial Pit at 2.40m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered.
Stability: Stable.
Remarks: Trench backfilled with arisings on completion. See also log for TT2014.

Length:	16.00m
Width:	0.60m
Logged:	FC
Checked:	SD

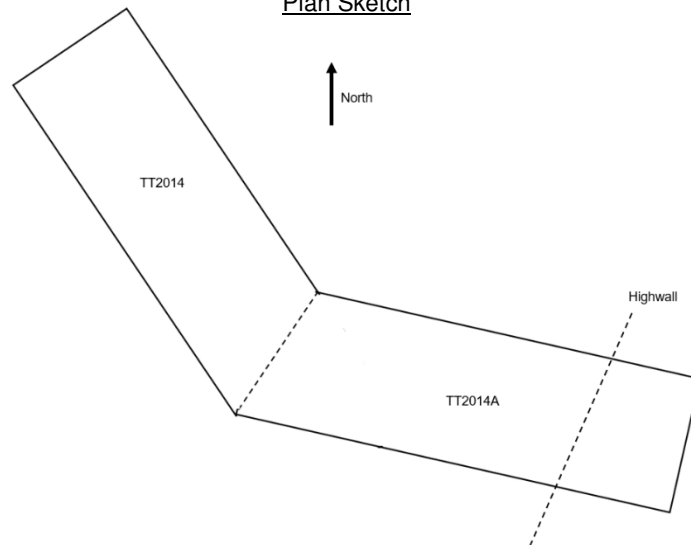
Cross Section Sketch



Arisings



Plan Sketch



Looking north



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Newlands Developments

Project:

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Title:

Trial Trench Record

TT2014A

TRIAL PIT LOG

TT2015

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

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

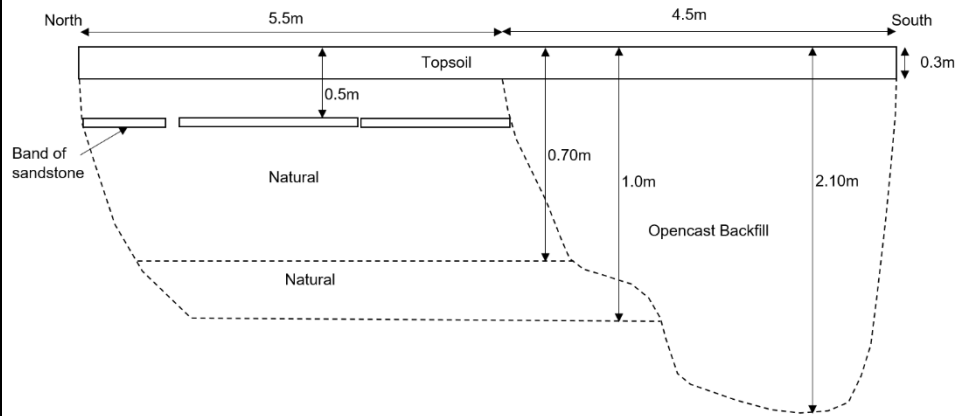
Ground Level 145.36m AOD **Coordinates** E 435375.30 N 399866.32 **Total Depth** 1.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.50		145.06	(0.30)	E	Very soft to soft brown silty CLAY with occasional rootlets. Gravel is subangular mudstone and rare brick. (TOPSOIL/MADE GROUND)		
				0.30		Firm locally soft orangish brown mottled light grey CLAY. (PENNINE MIDDLE COAL MEASURES FORMATION)		
D	1.00		144.36	(0.45)	E	<i>At 0.50m bgl: 1No. thin band of medium strong sandstone.</i>		
				0.75	E	Firm to stiff locally closely fissured friable grey locally mottled orangish brown and black silty CLAY with rare fine to medium lithorelicts of mudstone. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				(0.25)		End of Trial Pit at 1.00m		

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

Length:	5.50m
Width:	0.60m
Logged:	FC
Checked:	SD

Cross Section Sketch



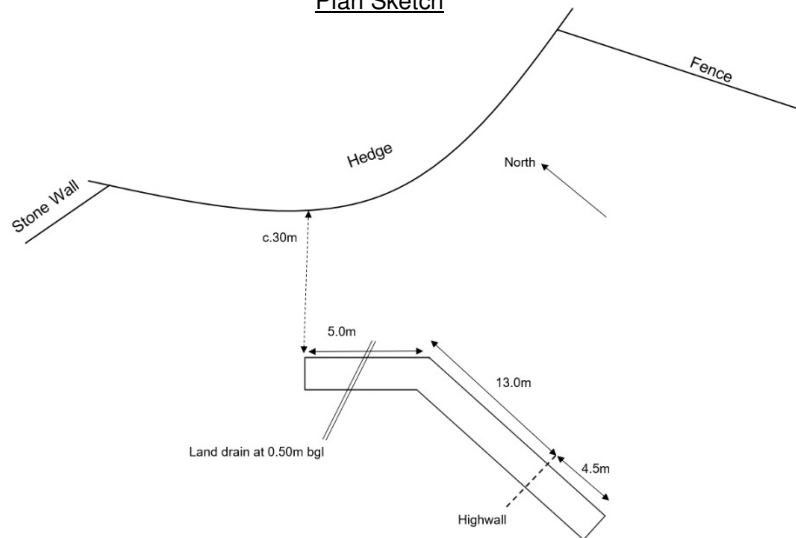
Opencast Backfill Description-

Soft dark greyish brown and grey gravelly CLAY with occasional cobbles and 1 no. boulder. Gravel is fine to coarse subangular siltstone, mudstone and sandstone. Cobbles are subangular mudstone and siltstone. Boulder is subangular siltstone, (500 x 260 x 100mm)

Looking south



Plan Sketch



Looking southeast



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Title:

Trial Trench Record

TT2015

TRIAL PIT LOG

TT2016

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

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

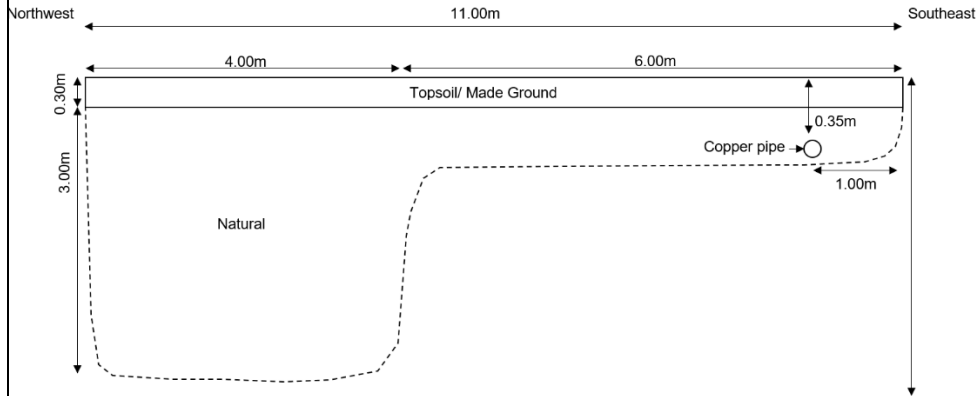
Ground Level 143.14m AOD **Coordinates** E 435633.52 N 399863.63 **Total Depth** 3.00m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
D	0.90		142.84	(0.30)	E	Very soft dark brown slightly gravelly silty CLAY with rare rootlets. Gravel is fine to coarse subangular predominantly sandstone, rare ironstone, coal and brick.		
				0.30		(TOPSOIL/MADE GROUND)		
D	1.90		141.14	(1.70)	E	Firm orangish brown mottled light grey silty CLAY with rare rootlets. (PENNINE MIDDLE COAL MEASURES FORMATION) <i>Between 0.40m and 0.45m bgl: band of medium strong siltstone.</i>		
						<i>Between 1.60m and 2.00m bgl: predominantly grey.</i>		
D	2.60		140.39	(0.75)	E	Stiff friable/extremely closely fissured grey and orangish brown silty CLAY with rare fine to medium siltstone and mudstone lithorelicts. (PENNINE MIDDLE COAL MEASURES FORMATION)		
						<i>Between 2.50m and 2.75m bgl: frequent siltstone lithorelicts.</i>		
D	3.00		140.14	(0.25)	E-M	Extremely weak to very weak grey and orangish brown SILTSTONE recovered as fine to coarse subangular gravel and occasional cobbles. (PENNINE MIDDLE COAL MEASURES FORMATION)		
				3.00		End of Trial Pit at 3.00m		

Method: 20T Tracked excavator
Groundwater: Groundwater not encountered. At approximately 0.35m to 0.40m bgl 20mm diameter copper water pipe encountered - repaired (photos taken).
Stability: Stable.
Remarks: Trench backfilled with arisings on completion. See also log for TT2016A.

Length:	9.00m
Width:	0.60m
Logged:	FC
Checked:	SD

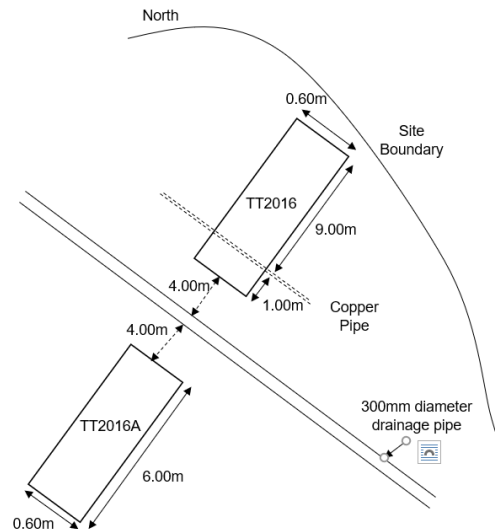
Cross Section Sketch



Looking south



Plan Sketch



Looking north



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Project:

Hoyland Common, Barnsley, M1 Junction 36

Title:

Trial Trench Record

TT2016

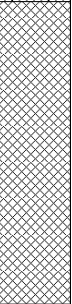
TRIAL PIT LOG

TT2016A

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

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

Ground Level 141.64m AOD **Coordinates** E 435630.63 N 399843.59 **Total Depth** 1.30m

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
			141.34	(0.30) 0.30	E	Very soft slightly gravelly silty CLAY with rare rootlets. Gravel is fine to coarse subangular brick, sandstone, siltstone and rare coal. (TOPSOIL/MADE GROUND)		
				(1.00)	E	Firm locally soft friable greyish brown and grey slightly sandy gravelly CLAY with frequent cobbles. Gravel is fine to coarse subangular siltstone, mudstone, sandstone and rare coal. Cobbles are subangular siltstone and mudstone. (MADE GROUND - OPENCAST BACKFILL) <i>Between 0.30m and 0.50m bgl: orangish brown, slightly gravelly.</i>		
			140.34	1.30		End of Trial Pit at 1.30m		

Method: 20T Tracked excavator

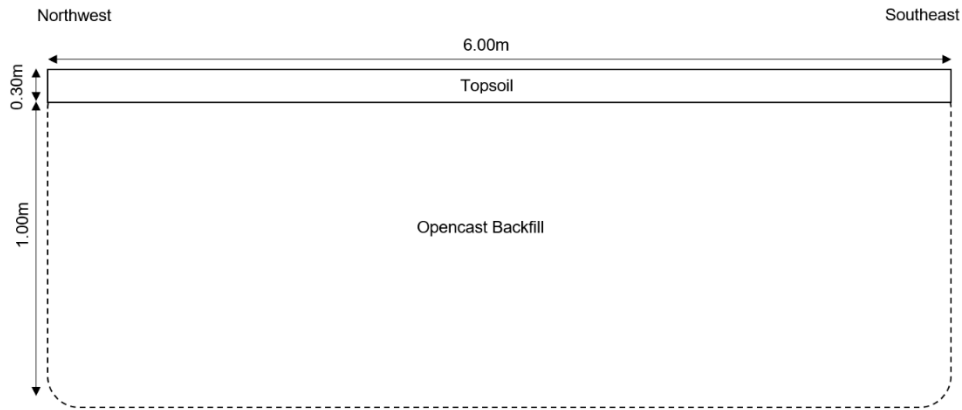
Groundwater: Groundwater not encountered.

Stability: Stable.

Remarks: Trench backfilled with arisings on completion. See also log for TT2016.

Length:	6.00m
Width:	0.60m
Logged:	FC
Checked:	SD

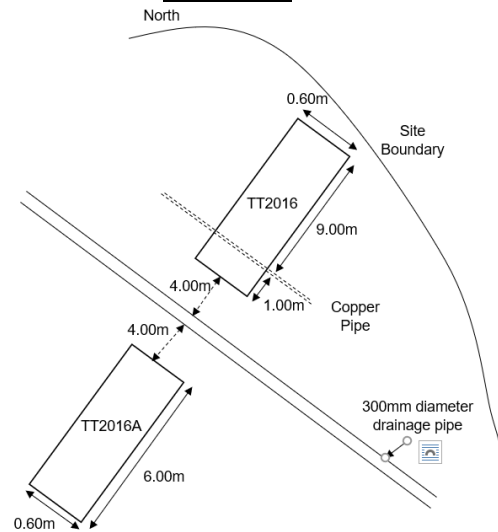
Cross Section Sketch



Arisings



Plan Sketch



Looking northeast



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Newlands Developments

Project:

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Title:

Trial Trench Record

TT2016A