

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431323.06 - 407654.52 Level: 108.40	Date 17/11/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 3.50	Scale 1:25 Logged AT

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	108.10		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of siltstone and mudstone. (MADE GROUND TOPSOIL)
				0.70	107.70		MADE GROUND: Stiff orange mottled grey silty slightly gravelly CLAY. Gravel is angular to subangular fine to medium of mudstone and siltstone. (COHESIVE MADE GROUND)
				2.20	106.20		MADE GROUND: Grey silty clayey angular to subangular fine to medium GRAVEL of mudstone. Medium cobble content of angular mudstone and medium subangular small mudstone boulder content. (GRANULAR OPENCAST BACKFILL) <i>At 0.7m, mudstone boulder encountered measuring 0.6m x 0.4m x 0.3m.</i> <i>At 1.5m, mudstone boulder encountered measuring 0.7m x 0.6m x 0.9m.</i>
				3.50	104.90		MADE GROUND: Firm to stiff gravelly silty CLAY. Gravel is angular to subangular fine to coarse of siltstone and mudstone. (COHESIVE OPENCAST BACKFILL) <i>From 2.2m to 3.5m, multiple mudstone boulders within trench.</i>
							End of pit at 3.50 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431301.82 - 407609.74 Level: 112.40	Date 17/11/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 3.40	Scale 1:25 Logged AT

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	112.10		MADE GROUND: Light brown silty slightly gravelly CLAY with frequent rootlets. Gravel is angular to subangular fine to medium of siltstone and mudstone. (MADE GROUND TOPSOIL)
				0.70	111.70		MADE GROUND: Firm to stiff orange mottled grey silty slightly gravelly CLAY. Gravel is angular to subangular fine to medium of mudstone and siltstone. (COHESIVE MADE GROUND)
				1.50	110.90		Firm to stiff grey silty slightly gravelly CLAY. Gravel is subangular fine to medium of siltstone. (COHESIVE RESIDUAL SOIL)
				2.50	109.90		Grey silty clayey angular fine to medium GRAVEL of siltstone. (GRANULAR RESIDUAL SOIL)
				3.10	109.30		Weak grey MUDSTONE. Recovered as subangular fine to medium gravel of mudstone. (COAL MEASURES)
				3.30	109.10		Extremely weak black vitreous COAL. Recovered as sandy angular fine to medium gravel. (THIN COAL)
				3.40	109.00		Weak grey MUDSTONE. Recovered as subangular fine to medium gravel of mudstone. (SEAT EARTH)

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431301.82 - 407609.74 Level: 112.40	Date 17/11/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 4.10	Scale 1:25 Logged AT

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	112.10		MADE GROUND: Light brown silty slightly gravelly CLAY with frequent rootlets. Gravel is angular to subangular fine to medium of siltstone and mudstone. (MADE GROUND TOPSOIL)
				0.60	111.80		MADE GROUND: Firm to stiff orange mottled grey silty slightly gravelly CLAY. Gravel is angular to subangular fine to medium of mudstone and siltstone. (COHESIVE MADE GROUND)
				1.60	110.80		MADE GROUND: Grey clayey angular fine to coarse GRAVEL of mudstone. (GRANULAR OPENCAST BACKFILL)
				3.90	108.50		MADE GROUND: Firm brownish orange mottled grey silty slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of mudstone and siltstone. (COHESIVE OPENCAST BACKFILL)
				4.10	108.30		Moderately weak brownish grey fossiliferous MUDSTONE. Recovered as angular fine to medium gravel. (COAL MEASURES)
							End of pit at 4.10 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431288.26 - 407582.41 Level: 114.80	Date 18/11/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 3.90	Scale 1:25 Logged AT

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	114.50		MADE GROUND: Greyish brown slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. Occasional rootlets. (MADE GROUND TOPSOIL)
				2.20	112.60		MADE GROUND: Light brown mottled grey CLAY. (COHESIVE MADE GROUND)
				3.90	110.90		MADE GROUND: Grey clayey angular tabular fine GRAVEL of mudstone. (COHESIVE OPENCAST BACKFILL)
							End of pit at 3.90 m

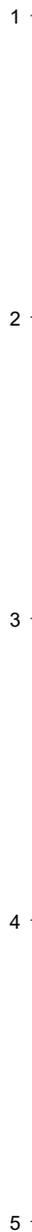
Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431288.26 - 407582.41 Level: 114.80	Date 18/11/2021
Location: South Yorkshire		Dimensions (m): Depth 3.50	Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	114.50		MADE GROUND: Greyish brown slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. Occasional rootlets. (MADE GROUND TOPSOIL)
				0.50	114.30		MADE GROUND: Light brown mottled grey CLAY. (COHESIVE MADE GROUND)
				3.50	111.30		MADE GROUND: Grey very gravelly CLAY. Gravel is angular tabular fine to coarse of mudstone. Low subangular mudstone cobble content. (COHESIVE OPENCAST BACKFILL)
End of pit at 3.50 m							



Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: - Level:	Date 18/11/2021
Location: South Yorkshire	Dimensions (m): Depth 3.20		Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30			MADE GROUND: Greyish brown gravelly CLAY. Gravel is subangular fine to coarse of siltstone and rare pottery. Occasional rootlets. (MADE GROUND TOPSOIL)
				0.50			MADE GROUND: Light brown mottled grey gravelly CLAY. (COHESIVE MADE GROUND)
				3.20			MADE GROUND: Grey clayey angular to subangular fine to coarse GRAVEL or mudstone. High subangular mudstone and siltstone cobble and boulder content. (GRANULAR OPENCAST BACKFILL) <i>Line and nature of highwall obscured by boulders.</i>
							End of pit at 3.20 m



Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431356.76 - 407539.05 Level: 114.00	Date 18/11/2021
Location: South Yorkshire		Dimensions (m): Depth 2.90	Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.40	113.60		MADE GROUND: Greyish brown slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. Occasional rootlets. (MADE GROUND TOPSOIL)
				0.70	113.30		MADE GROUND: Light brown CLAY. (COHESIVE MADE GROUND) <i>0.5m buried highwall cut at gentle c. 30' angle through Cohesive Residual Soil.</i>
				1.80	112.20		MADE GROUND: Grey clayey subangular medium to coarse GRAVEL of mudstone. Medium subangular mudstone cobble content. (GRANULAR OPENCAST BACKFILL)
				2.00	112.00		Black dull ashy COAL. Recovered as very silty angular fine gravel. (THIN COAL)
				2.90	111.10		Stiff brown CLAY. (SEAT EARTH)
							End of pit at 2.90 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.





Trial Pit Log

Trialpit No
TT006W
Sheet 1 of 1

Project Name: Barnsley West (LT1)

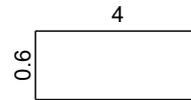
Project No.
3104

Co-ords: 431356.76 - 407539.05
Level: 114.00

Date
18/11/2021

Location: South Yorkshire

Dimensions (m):
Depth 3.50



Scale
1:25
Logged
GLM

Client: Strata Homes

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.50	113.50		MADE GROUND: Light brown gravelly CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)
				3.50	110.50		MADE GROUND: Brown very gravelly CLAY. Gravel is angular to subangular fine to coarse of mudstone. Medium subangular mudstone and siltstone cobble content. Low subangular small mudstone boulder content. (COHESIVE OPENCAST BACKFILL)



End of pit at 3.50 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431437.57 - 407397.08 Level: 117.65	Date 18/11/2021
Location: South Yorkshire	Dimensions (m): Depth 3.30		Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.35	117.30		Greyish brown silty slightly sandy CLAY. Occasional rootlets. (TOPSOIL)	
				1.40	116.25		Firm light brown mottled grey slightly gravelly CLAY. Gravel is angular tabular fine to medium of mudstone. (COHESIVE RESIDUAL SOIL) <i>0.35m Buried highwall cut at c. 45° in Cohesive Residual Soil to a bench in Granular Residual Soil at 2.0m depth.</i>	1
				3.10	114.55		Grey very clayey angular tabular medium to coarse GRAVEL of mudstone. (GRANULAR RESIDUAL SOIL)	2
				3.30	114.35		Black COAL. (THIN COAL)	3
							End of pit at 3.30 m	4
								5

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431437.57 - 407397.08 Level: 117.65	Date 18/11/2021
Location: South Yorkshire		Dimensions (m): Depth 2.50	Scale 1:25 Logged GLM
Client: Strata Homes		4 0.6	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	117.35		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of mudstone and occasional sandstone and siltstone. Occasional rootlets. (MADE GROUND TOPSOIL)
				2.50	115.15		MADE GROUND: Grey clayey angular tabular fine to coarse GRAVEL of mudstone and rare pottery. Medium subangular mudstone cobble content and low subangular mudstone and siltstone boulder content. (GRANULAR OPENCAST BACKFILL)
							End of pit at 2.50 m



Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431433.78 - 407541.09 Level: 109.65	Date 19/11/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 3.40	Scale 1:25 Logged GLM

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30	109.35		MADE GROUND: Greyish brown sandy slightly gravelly CLAY. Gravel is subangular fine of mudstone and occasional coal. Some rootlets. (MADE GROUND TOPSOIL)	
				0.70	108.95		MADE GROUND: Light brown CLAY. (COHESIVE MADE GROUND)	
				1.60	108.05		MADE GROUND: Grey very clayey subangular fine to coarse GRAVEL. Medium subangular mudstone and siltstone cobble and small boulder content. (GRANULAR OPENCAST BACKFILL)	1
				3.40	106.25		MADE GROUND: Brownish grey very gravelly CLAY. Gravel is angular to subangular fine to coarse of mudstone and occasional siltstone. Medium subangular mudstone cobble content and low siltstone boulder content. (COHESIVE OPENCAST BACKFILL)	2
							End of pit at 3.40 m	3
								4
								5

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431483.40 - 407432.58 Level: 113.25	Date 19/11/2021
Location: South Yorkshire	Dimensions (m): Depth 3.20		Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	112.95		Greyish brown silty CLAY. Some rootlets. (TOPSOIL)
				1.40	111.85		Firm light brown CLAY. (COHESIVE RESIDUAL SOIL) <i>From 0.3m buried highwall in centre of trial trench. Highwall cut at c. 30' through Cohesive Residual Soils and c. 70' through Granular Residual Soils.</i>
				2.80	110.45		Brownish grey slightly clayey angular tabular fine to medium GRAVEL of mudstone. (GRANULAR RESIDUAL SOIL)
				3.20	110.05		Black dull ashy COAL. (THIN COAL)
							End of pit at 3.20 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431483.40 - 407432.58 Level: 113.25	Date 19/11/2021
Location: South Yorkshire		Dimensions (m): Depth 3.30	Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.40	112.85		MADE GROUND: Greyish brown slightly silty sandy CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)
				3.30	109.95		MADE GROUND: Grey very gravelly slightly sandy CLAY. Gravel is angular to subangular fine to coarse of mudstone. Medium subangular mudstone cobble content. (COHESIVE OPENCAST BACKFILL)
End of pit at 3.30 m							

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431489.60 - 407617.78 Level: 103.05	Date 22/11/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 2.60	Scale 1:25 Logged GLM

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
▼				0.30	102.75		MADE GROUND: Dark greyish brown silty CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)
				0.60	102.45		MADE GROUND: Light brown mottled grey CLAY. (COHESIVE MADE GROUND)
				1.80	101.25		MADE GROUND: Grey very gravelly CLAY. Gravel is subangular medium to coarse of mudstone and occasional siltstone. Medium angular mudstone cobble content. (COHESIVE OPENCAST BACKFILL)
				2.20	100.85		MADE GROUND: Brown CLAY. (COHESIVE OPENCAST BACKFILL)
				2.60	100.45		Firm brown gravelly CLAY. Gravel is angular tabular fine of mudstone lithorelicts. (COAL MEASURES)
							2.2m possible buried highway comprising very shallow slope cut into Cohesive Residual Soils which appears to steepen to c. 50° in base of trench.
							2.0m seepage of groundwater from trial trench walls.
							End of pit at 2.60 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater seepage at 2.2m during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431489.60 - 407617.78 Level: 103.05	Date 22/11/2021
Location: South Yorkshire	Dimensions (m): Depth 3.20		Scale 1:25 Logged GLM
Client: Strata Homes		4	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	102.75		MADE GROUND: Greyish brown silty CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)
				0.60	102.45		MADE GROUND: Light brown mottled grey CLAY. (COHESIVE MADE GROUND)
				1.60	101.45		MADE GROUND: Grey very gravelly CLAY. Gravel is angular to subangular of mudstone. Medium subangular mudstone cobble content. (COHESIVE OPENCAST BACKFILL)
				3.20	99.85		MADE GROUND: Brownish grey CLAY. (COHESIVE OPENCAST BACKFILL)
							End of pit at 3.20 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431496.24 - 407641.77 Level: 101.70	Date 22/11/2021
Location: South Yorkshire		Dimensions (m): Depth 3.00	Scale 1:25 Logged GLM
Client: Strata Homes		4	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	101.40		MADE GROUND: Greyish brown slightly silty sandy CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)
				0.50	101.20		MADE GROUND: Firm light brown mottled grey slightly gravelly CLAY. Gravel is subangular fine to medium of siltstone. (COHESIVE MADE GROUND)
				3.00	98.70		MADE GROUND: Grey very gravelly slightly sandy CLAY. Gravel is angular to subangular fine to coarse of mudstone. Medium subangular mudstone cobble content. (COHESIVE OPENCAST BACKFILL)
							End of pit at 3.00 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431496.24 - 407641.77 Level: 101.70	Date 22/11/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 3.00	Scale 1:25 Logged GLM

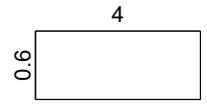
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	101.40		MADE GROUND: Greyish brown slightly silty sandy CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)
				0.70	101.00		MADE GROUND: Firm light brown mottled grey slightly gravelly CLAY. Gravel is subangular fine to medium of siltstone. (COHESIVE MADE GROUND)
							MADE GROUND: Grey very gravelly slightly sandy CLAY. Gravel is angular to subangular fine to coarse of mudstone. Medium subangular mudstone cobble content. (COHESIVE OPENCAST BACKFILL)
							<i>1.5m large siltstone boulder partly obscured view of buried highwall.</i>
				2.20	99.50		Stiff brown gravelly CLAY. Gravel is angular tabular fine of mudstone lithorelicts. (COAL MEASURES) <i>Buried highwall in trench cut at c. 30' through Cohesive Residual Soils.</i>
				3.00	98.70		End of pit at 3.00 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

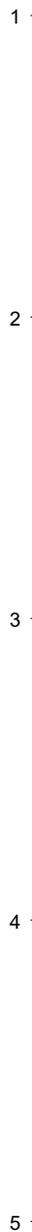
Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431507.65 - 407660.74 Level: 100.15	Date 22/11/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 2.30	Scale 1:25 Logged GLM



Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.35	99.80		MADE GROUND: Greyish brown sandy slightly gravelly CLAY. Gravel is subangular fine of mudstone. Frequent rootlets. (MADE GROUND TOPSOIL)
				0.80	99.35		MADE GROUND: Light brown mottled grey slightly gravelly CLAY. Gravel is angular tabular fine to medium of mudstone and mudstone lithorelicts. (COHESIVE MADE GROUND)
				1.50	98.65		MADE GROUND: Brownish grey very gravelly slightly sandy CLAY. Gravel is angular to subrounded fine to medium of mudstone and occasional mixed lithologies. (COHESIVE OPENCAST BACKFILL)
				2.30	97.85		Stiff brown mottled grey slightly gravelly CLAY. Gravel is angular tabular fine to medium of mudstone. (COHESIVE RESIDUAL SOIL) <i>1.5m buried highwall cut at 45° through Cohesive Residual Soil.</i>
							End of pit at 2.30 m



Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.





Trial Pit Log

Trialpit No
TT012SE
Sheet 1 of 1

Project Name: Barnsley West (LT1)

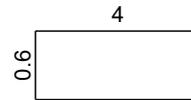
Project No.
3104

Co-ords: 431507.65 - 407660.74
Level: 100.15

Date
22/11/2021

Location: South Yorkshire

Dimensions (m):
Depth 2.60



Scale
1:25
Logged
GLM

Client: Strata Homes

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.40	99.75		MADE GROUND: Greyish brown sandy slightly gravelly CLAY. Gravel is subangular fine of mudstone. Frequent rootlets. (MADE GROUND TOPSOIL)
				0.90	99.25		MADE GROUND: Light brown mottled grey slightly gravelly CLAY. Gravel is angular tabular fine to medium of mudstone and mudstone lithorelicts. (COHESIVE MADE GROUND)
				2.60	97.55		MADE GROUND: Brownish grey very gravelly slightly sandy CLAY. Gravel is angular to subrounded fine to medium of mudstone and occasional mixed lithologies. (COHESIVE OPENCAST BACKFILL)
							End of pit at 2.60 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431351.37 - 407716.88 Level: 103.65	Date 22/11/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 1.20	Scale 1:25 Logged GLM

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.20	103.45		Greyish brown silty slightly sandy CLAY. Occasional rootlets. (TOPSOIL)
				1.20	102.45		Stiff brown mottled grey slightly gravelly CLAY. Gravel is angular tabular fine to medium of mudstone. (COHESIVE RESIDUAL SOIL) <i>0.2m Buried highwall cut at c. 30' in Cohesive Residual Soil steepening to 45' as Residual Soil grades into weathered rock from around 2.0m depth.</i>
							End of pit at 1.20 m



Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431351.37 - 407716.88 Level: 103.65	Date 22/11/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 3.10	Scale 1:25 Logged GLM

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	103.35		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine of mudstone with rare coal. (MADE GROUND TOPSOIL)
				0.60	103.05		MADE GROUND: Stiff orange mottled grey silty slightly gravelly CLAY. Gravel is subangular fine to coarse of mudstone. (COHESIVE MADE GROUND)
				2.00	101.65		MADE GROUND: Grey silty clayey angular to subangular fine to coarse GRAVEL of mudstone. High cobble content of subangular mudstone and frequent boulders of mudstone. (GRANULAR OPENCAST BACKFILL)
				3.10	100.55		MADE GROUND: Brown gravelly CLAY. Gravel is angular to subangular fine to coarse of mudstone and occasional siltstone and sandstone. (COHESIVE OPENCAST BACKFILL)
							End of pit at 3.10 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431347.43 - 407759.92 Level: 101.50	Date 23/11/2021
Location: South Yorkshire	Dimensions (m): Depth 3.70		Scale 1:25 Logged GLM
Client: Strata Homes		4	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.25	101.25		MADE GROUND: Dark greyish brown silty CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)
				2.30	99.20		MADE GROUND: Brown mottled grey slightly gravelly CLAY. Gravel is angular fine to coarse of mudstone, siltstone and rare pottery. (COHESIVE MADE GROUND)
				3.70	97.80		MADE GROUND: Grey very gravelly CLAY. Gravel is angular tabular fine to coarse of mudstone. Low subangular mudstone cobble content. (COHESIVE OPENCAST BACKFILL)
							End of pit at 3.70 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431354.76 - 407761.91 Level: 101.20	Date 23/11/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 1.50	Scale 1:25 Logged GLM

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.35	100.85		MADE GROUND: Dark greyish brown silty gravelly CLAY. Gravel is angular to subangular fine of mudstone and rare coal, siltstone and pottery. (MADE GROUND TOPSOIL)
				0.50	100.70		MADE GROUND: Light brown mottled grey CLAY. (COHESIVE MADE GROUND)
				0.70	100.50		MADE GROUND: Grey gravelly CLAY. Gravel is angular tabular fine to coarse of mudstone. (COHESIVE OPENCAST BACKFILL)
				1.50	99.70		Stiff brown mottled grey CLAY. (COHESIVE RESIDUAL SOIL) <i>0.7m buried highwall cut at c. 30° through Cohesive Residual Soil and c. 70° through deeper weathered Mudstone bedrock.</i>
							End of pit at 1.50 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431353.58 - 407794.41 Level: 99.65	Date 24/11/2021
Location: South Yorkshire	Dimensions (m): Depth 2.80		Scale 1:25 Logged AT
Client: Strata Homes		3	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	99.35		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
				0.80	98.85		MADE GROUND: Stiff orange mottled grey silty slightly gravelly CLAY. Gravel is angular to subangular fine to medium of mudstone. (COHESIVE MADE GROUND)
				1.50	98.15		MADE GROUND: Grey slightly clayey angular fine to coarse GRAVEL of mudstone. (GRANULAR OPENCAST BACKFILL)
				2.80	96.85		Grey angular fine to coarse GRAVEL of mudstone. (GRANULAR RESIDUAL SOIL)
							End of pit at 2.80 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.





Trial Pit Log

Trialpit No
TT015NW
Sheet 1 of 1

Project Name: Barnsley West (LT1)

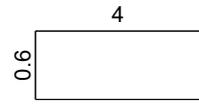
Project No.
3104

Co-ords: 431342.35 - 407792.08
Level: 100.05

Date
24/11/2021

Location: South Yorkshire

Dimensions (m):
Depth 1.10



Scale
1:25
Logged
AT

Client: Strata Homes

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	99.75		Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (TOPSOIL)
				1.10	98.95		Very stiff orange mottled grey silty slightly gravelly CLAY. Gravel is angular to subangular fine to medium of mudstone. (COHESIVE RESIDUAL SOIL)
							----- End of pit at 1.10 m



Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431344.86 - 407833.45 Level: 98.20	Date 24/11/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 1.90	Scale 1:25 Logged AT

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	97.90		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
				1.10	97.10		MADE GROUND: Stiff to very stiff orange mottled grey silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE MADE GROUND)
				1.90	96.30		MADE GROUND: Grey clayey angular to subangular fine to coarse GRAVEL of mudstone. (GRANULAR OPENCAST BACKFILL)
----- End of pit at 1.90 m -----							

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431344.86 - 407833.45 Level: 98.20	Date 24/11/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 2.10	Scale 1:25 Logged AT

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	97.90		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
				0.70	97.50		MADE GROUND: Stiff to very stiff orange mottled grey silty slightly gravelly CLAY. Gravel is angular to subangular fine to medium of mudstone. (COHESIVE MADE GROUND)
				0.90	97.30		MADE GROUND: Grey clayey angular to subangular fine to coarse GRAVEL of mudstone. (GRANULAR OPENCAST BACKFILL)
				1.90	96.30		Stiff orange mottled grey silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE RESIDUAL SOIL)
				2.10	96.10		Grey clayey angular to subangular fine to coarse GRAVEL of mudstone. (GRANULAR RESIDUAL SOIL)
							End of pit at 2.10 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431360.57 - 407865.48 Level: 97.05	Date 24/11/2021
Location: South Yorkshire		Dimensions (m): Depth 2.40	Scale 1:25 Logged AT
Client: Strata Homes		3 	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	96.75		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to coarse of mudstone. (MADE GROUND TOPSOIL)
				1.10	95.95		MADE GROUND: Stiff orange mottled grey silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE MADE GROUND)
				2.40	94.65		MADE GROUND: Grey silty angular to subangular fine to coarse GRAVEL of mudstone. (GRANULAR OPENCAST BACKFILL)
							End of pit at 2.40 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431360.57 - 407865.48 Level: 97.05	Date 24/11/2021
Location: South Yorkshire		Dimensions (m): Depth 1.90	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	96.75		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
				0.90	96.15		MADE GROUND: Stiff orange mottled grey silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE MADE GROUND)
				1.30	95.75		MADE GROUND: Grey silty angular fine to coarse GRAVEL of mudstone. Medium cobble content of angular mudstone. (GRANULAR OPENCAST BACKFILL)
				1.90	95.15		Stiff grey and orange gravelly silty CLAY. Gravel is angular to subangular fine to medium of mudstone. (COHESIVE RESIDUAL SOIL)
							End of pit at 1.90 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431425.27 - 407908.87 Level: 93.25	Date 24/11/2021
Location: South Yorkshire		Dimensions (m): Depth 2.30	Scale 1:25 Logged AT
Client: Strata Homes		3 0.6	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	92.95		MADE GROUND: Greyish brown slight gravelly silty CLAY. Gravel is subangular fine to coarse of mudstone. (MADE GROUND TOPSOIL)
				0.40	92.85		MADE GROUND: Stiff orange mottled grey silty CLAY. (COHESIVE MADE GROUND)
							MADE GROUND: Grey silty angular to subangular fine to coarse GRAVEL of mudstone. High cobble content of angular mudstone. (GRANULAR OPENCAST BACKFILL)
				2.30	90.95		End of pit at 2.30 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431425.27 - 407908.87 Level: 93.25	Date 24/11/2021
Location: South Yorkshire		Dimensions (m): Depth 1.90	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	92.95		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
				0.60	92.65		MADE GROUND: Grey silty angular fine to coarse GRAVEL of mudstone. (COHESIVE MADE GROUND)
				1.20	92.05		Brownish grey silty subangular fine to coarse GRAVEL of mudstone. (GRANULAR RESIDUAL SOIL)
				1.90	91.35		Moderately weak to moderately strong brownish grey MUDSTONE. Recovered as silty angular to subangular fine to coarse gravel. (COAL MEASURES)
							End of pit at 1.90 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431412.81 - 407895.60 Level: 94.20	Date 24/11/2021
Location: South Yorkshire		Dimensions (m): Depth 2.50	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30	93.90		Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)	
				0.60	93.60		MADE GROUND: Grey silty clayey subangular fine to coarse GRAVEL of mudstone. (COHESIVE MADE GROUND)	
				1.20	93.00		Stiff to very stiff orange mottled grey silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE RESIDUAL SOIL)	
				2.20	92.00		Grey slightly clayey angular to subangular fine to coarse GRAVEL of mudstone. (GRANULAR RESIDUAL SOIL)	
				2.50	91.70		Moderately weak brownish grey MUDSTONE. Recovered as slightly clayey angular fine to coarse gravel of mudstone. (COAL MEASURES)	
				End of pit at 2.50 m				

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431412.81 - 407895.60 Level: 94.20	Date 24/11/2021
Location: South Yorkshire		Dimensions (m): Depth 2.70	Scale 1:25 Logged AT
Client: Strata Homes		3	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	93.90		Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is angular to subangular fine to medium of mudstone. (TOPSOIL)
							Grey slightly clayey angular to subangular fine to coarse GRAVEL of mudstone. High cobble content of angular mudstone. (GRANULAR RESIDUAL SOIL) <i>At 0.3m, a 0.1m thick lens of orange mottled grey silty CLAY.</i>
				2.70	91.50		End of pit at 2.70 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit were unstable between 0.3m and 2.7m depth during excavation with some overbreak in the granular strata.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431467.94 - 407933.64 Level: 90.55	Date 25/11/2021
Location: South Yorkshire		Dimensions (m): Depth 2.40	Scale 1:25 Logged AT
Client: Strata Homes		6 	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	90.25		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
				0.40	90.15		MADE GROUND: Firm to stiff orangish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE MADE GROUND)
				2.40	88.15		MADE GROUND: Grey slightly clayey angular to subangular fine to coarse GRAVEL of mudstone. High cobble content of angular mudstone. (GRANULAR OPENCAST BACKFILL)
							End of pit at 2.40 m



Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431506.64 - 407939.96 Level: 88.45	Date 25/11/2021
Location: South Yorkshire		Dimensions (m): Depth 1.80	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	88.15		Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to medium of mudstone. (TOPSOIL)
				1.10	87.35		Stiff orange and grey silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE RESIDUAL SOIL)
				1.80	86.65		Greyish brown silty angular to subangular fine to coarse GRAVEL of mudstone. High cobble content of subangular mudstone. (GRANULAR RESIDUAL SOIL)
							End of pit at 1.80 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431506.64 - 407939.96 Level: 88.45	Date 25/11/2021
Location: South Yorkshire		Dimensions (m): Depth 2.10	Scale 1:25 Logged AT
Client: Strata Homes		3 0.9	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	88.15		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
				2.10	86.35		MADE GROUND: Firm to stiff greyish brown gravelly silty CLAY. High cobble content of subangular mudstone. Gravel is angular to subangular fine to coarse of mudstone. (COHESIVE RESIDUAL SOIL)
End of pit at 2.10 m							



Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431540.48 - 407897.35 Level: 88.10	Date 29/11/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 2.70	Scale 1:25 Logged AT

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
▼				0.30	87.80		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to coarse of mudstone. (MADE GROUND TOPSOIL)
				2.70	85.40		MADE GROUND: Grey silty clayey angular to subangular fine to coarse GRAVEL of mudstone. Low cobble content of subangular mudstone. (GRANULAR OPENCAST BACKFILL)
							At 1.0m, terracotta land drain orientated North to South.
							From 1.7m to 2.2m, spalling of the side wall.
							At 2.2m, groundwater inflow.
							From 0.0m to 2.7m, major spalling of the entire side wall.
							End of pit at 2.70 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater inflow was apparent at 2.2m during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431503.60 - 407521.60 Level: 106.45	Date 23/11/2021
Location: South Yorkshire		Dimensions (m): Depth 2.50	Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	106.15		MADE GROUND: Dark greyish brown silty slightly sandy CLAY. Some rootlets. (MADE GROUND TOPSOIL)
				1.00	105.45		MADE GROUND: Light brown mottled grey CLAY. (COHESIVE MADE GROUND)
				1.50	104.95		MADE GROUND: Greyish brown very gravelly CLAY. Gravel is subangular fine to coarse of mudstone. Medium subangular mudstone cobble content. (COHESIVE OPENCAST BACKFILL)
				2.50	103.95		Stiff brown mottled grey gravelly CLAY. Gravel is angular tabular fine to medium of mudstone lithorelicts. (COHESIVE RESIDUAL SOIL) <i>Trench advanced to locate buried highwall; however no evidence of highwall encountered. Trench likely located entirely outside of the former areas of opencast.</i>
							End of pit at 2.50 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431541.96 - 407533.11 Level: 104.20	Date 23/11/2021
Location: South Yorkshire		Dimensions (m): Depth 3.00	Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	103.90		MADE GROUND: Greyish brown slightly silty sandy CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)
				1.00	103.20		MADE GROUND: Firm light brown mottled grey slightly gravelly CLAY. Gravel is subangular fine to medium of siltstone. (COHESIVE MADE GROUND)
				3.00	101.20		MADE GROUND: Grey very gravelly slightly sandy CLAY. Gravel is angular to subangular fine to coarse of mudstone. Medium subangular mudstone cobble content. (COHESIVE OPENCAST BACKFILL)
							End of pit at 3.00 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431541.96 - 407533.11 Level: 104.20	Date 23/11/2021
Location: South Yorkshire		Dimensions (m): Depth 2.30	Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	103.90		MADE GROUND: Greyish brown slightly silty sandy CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)
				0.50	103.70		MADE GROUND: Firm light brown mottled grey slightly gravelly CLAY. Gravel is subangular fine to medium of siltstone. (COHESIVE MADE GROUND)
				0.90	103.30		MADE GROUND: Grey very gravelly slightly sandy CLAY. Gravel is angular to subangular fine to coarse of mudstone. Medium subangular mudstone cobble content. (COHESIVE OPENCAST BACKFILL)
				1.80	102.40		Stiff brown gravelly CLAY. Gravel is angular tabular fine to medium of mudstone. (COHESIVE RESIDUAL SOIL)
				2.30	101.90		Weak grey thickly laminated MUDSTONE. Recovered as slightly clayey angular tabular fine to medium gravel. (COAL MEASURES) <i>Buried highwall cut at c. 45' through Cohesive Residual Soil and Mudstone bedrock.</i>
							End of pit at 2.30 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431574.49 - 407552.94 Level: 101.65	Date 23/11/2021
Location: South Yorkshire		Dimensions (m): Depth 2.40	Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.40	101.25		MADE GROUND: Greyish brown slightly silty sandy CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)	
				0.80	100.85		MADE GROUND: Firm light brown gravelly CLAY. Gravel is subangular fine to medium of siltstone. (COHESIVE MADE GROUND)	
				1.70	99.95		Stiff brown gravelly CLAY. Gravel is angular tabular fine to medium of mudstone. (COHESIVE RESIDUAL SOIL) <i>0.8m buried highwall cut at c. 45° through Cohesive Residual Soil and c. 60° through mudstone bedrock. Within the highwall the former opencast is backfilled with Colliery Spoil to greater than 2.4m depth.</i>	1
				2.40	99.25		Weak grey thickly laminated MUDSTONE. Recovered as slightly clayey angular tabular fine to medium gravel. (COAL MEASURES)	2
							End of pit at 2.40 m	3
								4
								5

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431526.12 - 407622.67 Level: 101.15	Date 23/11/2021
Location: South Yorkshire		Dimensions (m): Depth 3.20	Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.25	100.90		MADE GROUND: Greyish brown silty slightly sandy CLAY. Some rootlets. (MADE GROUND TOPSOIL)
				0.60	100.55		MADE GROUND: Firm light brown mottled grey CLAY. (COHESIVE MADE GROUND)
							MADE GROUND: Grey occasionally brown very clayey angular to subangular fine to coarse GRAVEL of mudstone, occasional siltstone and rare pottery and coal. Medium subangular mudstone cobble content and medium subangular small mudstone and siltstone boulder content. (GRANULAR OPENCAST BACKFILL)
				3.20	97.95		<p><i>Thin dull ashy coal in northern end of trial trench may represent natural ground with the buried highwall being at the point where coal ceases; however a highwall & natural soils were difficult to distinguish & the highwall may be absent; trench may be located wholly inside the former opencast.</i></p> <p>End of pit at 3.20 m</p>

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.





Trial Pit Log

Trialpit No
TT105N
Sheet 1 of 1

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431631.88 - 407596.72
Level: 97.00

Date
02/12/2021

Location: South Yorkshire

Dimensions (m):

3

Scale
1:25

Client: Strata Homes

Depth
2.70

0.6

Logged
GLM

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	96.70		MADE GROUND: Greyish brown slight gravelly silty CLAY. Gravel is subangular fine to coarse of mudstone. (MADE GROUND TOPSOIL)
				0.50	96.50		MADE GROUND: Stiff orange mottled grey silty CLAY. (COHESIVE MADE GROUND)
							MADE GROUND: Grey silty angular to subangular fine to coarse GRAVEL of mudstone with high cobble content of angular mudstone. (GRANULAR OPENCASE BACKFILL)
				2.70	94.30		End of pit at 2.70 m

1
2
3
4
5

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.





Trial Pit Log

Trialpit No
TT105S
Sheet 1 of 1

Project Name: Barnsley West (LT1)

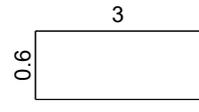
Project No.
3104

Co-ords: 431631.88 - 407596.72
Level: 97.00

Date
02/12/2021

Location: South Yorkshire

Dimensions (m):



Scale
1:25

Client: Strata Homes

Depth
2.40

Logged
GLM

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	96.70		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine of mudstone. (MADE GROUND TOPSOIL)
				1.90	95.10		Stiff light brown mottled grey slightly gravelly CLAY. Gravel is angular tabular fine to medium of siltstone. (COHESIVE RESIDUAL SOIL) <i>Highwall cut at 40° through Cohesive Residual Soil and 60° through Siltstone.</i>
				2.40	94.60		Weak greyish brown thinly bedded SILTSTONE. Recovered as angular tabular fine to coarse gravel. (COAL MEASURES)
							End of pit at 2.40 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431589.67 - 407625.79 Level: 98.05	Date 02/12/2021
Location: South Yorkshire		Dimensions (m): Depth 4.60	Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30	97.75		MADE GROUND: Dark greyish brown silty slightly gravelly CLAY. Gravel is angular fine of mudstone and occasional pottery. (MADE GROUND TOPSOIL)	
				0.80	97.25		MADE GROUND: Light brown mottled grey gravelly CLAY. Gravel is angular tabular fine to coarse of mudstone lithorelicts. (COHESIVE MADE GROUND)	
				2.20	95.85		MADE GROUND: COARSE SOIL; Grey subangular small to medium siltstone BOULDERS with many subangular mudstone cobbles. With much finer material of clayey subangular fine to coarse gravel of mudstone and siltstone. (GRANULAR OPENCAST BACKFILL)	1
				3.40	94.65		MADE GROUND: Brownish grey gravelly CLAY. Gravel is angular to subangular fine to coarse of mudstone and siltstone. (COHESIVE OPENCAST BACKFILL)	2
				3.90	94.15		MADE GROUND: Black silty subangular fine GRAVEL of coal and occasional mudstone. Occasional fragments of wood and metal. (GRANULAR OPENCAST BACKFILL)	3
				4.60	93.45		Stiff grey gravelly CLAY. Gravel is angular tabular fine of mudstone lithorelicts. (COHESIVE RESIDUAL SOIL) <i>3.9m No highwall readily apparent in excavation, however the coal & Cohesive Residual Soil terminates in base of trench which likely represents the edge of the former opencast.</i>	4
							End of pit at 4.60 m	5

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431589.67 - 407625.79 Level: 98.05	Date 02/12/2021
Location: South Yorkshire		Dimensions (m): Depth 4.40	Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	97.75		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular medium of mudstone. (MADE GROUND TOPSOIL)
				0.70	97.35		Stiff light brown mottled grey slightly gravelly CLAY. Gravel is angular tabular fine to medium of siltstone. (COHESIVE MADE GROUND)
				1.70	96.35		MADE GROUND: COARSE SOIL; Grey subangular small to medium siltstone BOULDERS with many subangular mudstone cobbles. With much finer material of clayey subangular fine to coarse gravel of mudstone and siltstone. (GRANULAR OPENCAST BACKFILL)
				2.80	95.25		MADE GROUND: Firm light brown gravelly CLAY. Gravel is subangular fine to coarse of mudstone. (COHESIVE OPENCAST BACKFILL)
				4.40	93.65		MADE GROUND: Grey very gravelly CLAY. Gravel is subangular fine to coarse of mudstone. Medium subangular mudstone cobble content. (COHESIVE OPENCAST BACKFILL)
							End of pit at 4.40 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431577.48 - 407881.77 Level: 87.40	Date 29/11/2021
Location: South Yorkshire		Dimensions (m): Depth 2.90	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	87.10		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to coarse of mudstone. (MADE GROUND TOPSOIL)
				2.90	84.50		MADE GROUND: Grey silty clayey angular to subangular GRAVEL of mudstone. (GRANULAR OPENCAST BACKFILL)
							At 2.0m, groundwater inflow.
							From 2.6m to 2.9m, slight spalling of the side wall.
							At 2.9m, trench abandoned. Cannot excavate to North due to site boundary and expected major spalling of side wall.
							End of pit at 2.90 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater inflow was apparent at 2.0m during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. Slight spalling of the sides of the trial pit between 2.6m and 2.9m depth during excavation.

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431621.57 - 407884.39 Level: 85.85	Date 29/11/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 3.00	Scale 1:25 Logged AT

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	85.55		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is angular to subrounded fine to medium of mudstone. (MADE GROUND TOPSOIL)
				1.60	84.25		MADE GROUND: Grey silty clayey angular fine to coarse GRAVEL of mudstone. (GRANULAR OPENCAST BACKFILL)
				2.10	83.75		MADE GROUND: Firm black gravelly silty CLAY. Gravel is angular fine to medium of mudstone. (COHESIVE OPENCAST BACKFILL)
				2.40	83.45		MADE GROUND: Stiff grey mottled orange gravelly silty CLAY. Gravel is angular to subangular fine to coarse of mudstone. (COHESIVE OPENCAST BACKFILL)
				3.00	82.85		At 2.2m, whole brick. MADE GROUND: Grey and black silty angular fine to coarse GRAVEL of mudstone. High subangular medium concrete boulder content. (GRANULAR RESIDUAL SOIL) At 2.5m, concrete boulder, (0.5m x 0.3m x 0.2m).
							End of pit at 3.00 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431620.79 - 407891.86 Level: 85.75	Date 29/11/2021
Location: South Yorkshire		Dimensions (m): Depth 2.90	Scale 1:25 Logged AT
Client: Strata Homes		3 0.9	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	85.45		MADE GROUND: Greyish brown gravelly silty CLAY with frequent rootlets. Gravel is subangular fine to coarse of mudstone. (MADE GROUND TOPSOIL)
				1.60	84.15		MADE GROUND: Grey silty clayey angular fine to coarse GRAVEL of mudstone. Medium subangular brick cobble content. (GRANULAR OPENCAST BACKFILL)
				2.90	82.85		MADE GROUND: Stiff orange and grey gravelly silty CLAY. Gravel is angular medium to coarse of mudstone and siltstone. (COHESIVE OPENCAST BACKFILL)
							End of pit at 2.90 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: - Level:	Date 29/11/2021
Location: South Yorkshire	Dimensions (m): Depth 1.60		Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30			MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
				0.90			MADE GROUND: Stiff grey gravelly silty CLAY. Gravel is angular fine to coarse of mudstone. (COHESIVE OPENCAST BACKFILL)
				1.60			Stiff orange mottled grey slightly sandy silty CLAY. (COHESIVE RESIDUAL SOIL)
							<p>From 1.5m, becomes slightly gravelly with mudstone lithorelicts.</p> <p>End of pit at 1.60 m</p>

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: - Level:	Date 29/11/2021
Location: South Yorkshire	Dimensions (m): Depth 2.20		Scale 1:25 Logged AT
Client: Strata Homes		3 0.6	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30			MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to coarse of mudstone. (MADE GROUND TOPSOIL)
				2.20			MADE GROUND: Stiff grey gravelly silty CLAY. Gravel is angular fine to coarse of mudstone. (COHESIVE OPENCAST BACKFILL)
							End of pit at 2.20 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431571.49 - 407731.48 Level: 93.55	Date 29/11/2021
Location: South Yorkshire		Dimensions (m): Depth 3.90	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	93.25		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
							MADE GROUND: Grey silty clayey angular to subangular fine to coarse GRAVEL of mudstone with a medium cobble content of angular mudstone. (GRANULAR OPENCAST BACKFILL)
				3.50	90.05		MADE GROUND: Firm brown gravelly silty CLAY. Gravel is angular fine to coarse of mudstone. (COHESIVE OPENCAST BACKFILL)
				3.90	89.65		End of pit at 3.90 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431568.97 - 407730.66 Level: 93.75	Date 30/11/2021
Location: South Yorkshire		Dimensions (m): Depth 4.10	Scale 1:25 Logged AT
Client: Strata Homes		3	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	93.45		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
				0.50	93.25		MADE GROUND: Stiff brownish orange silty CLAY. (COHESIVE MADE GROUND)
				1.50	92.25		MADE GROUND: Stiff greyish brown gravelly silty CLAY. Gravel is fine to coarse of mudstone. (COHESIVE OPENCAST BACKFILL)
				2.10	91.65		MADE GROUND: Firm orange mottled grey silty slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of mudstone. (COHESIVE OPENCAST BACKFILL)
				3.10	90.65		MADE GROUND: Firm to stiff grey gravelly silty CLAY. Gravel is angular to subangular fine to medium of mudstone and ironstone. (COHESIVE OPENCAST BACKFILL)
				4.10	89.65		End of pit at 4.10 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431685.73 - 407815.17 Level: 85.90	Date 30/11/2021
Location: South Yorkshire		Dimensions (m): Depth 3.00	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	85.60		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to coarse of mudstone. (MADE GROUND TOPSOIL)
							MADE GROUND: Brownish grey silty clayey angular to subangular fine to coarse GRAVEL of mudstone and ironstone. (GRANULAR OPENCAST BACKFILL) <i>From 0.3m to 3.0m, major spalling of the side walls.</i>
				3.00	82.90		End of pit at 3.00 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. Major spalling of the sides of the trial pit between 0.3m and 3.0m depth during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431685.73 - 407815.17 Level: 85.90	Date 30/11/2021
Location: South Yorkshire		Dimensions (m): Depth 4.40	Scale 1:25 Logged AT
Client: Strata Homes		3	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	85.60		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
							MADE GROUND: Firm greyish brown gravelly silty CLAY. Gravel is angular to subangular fine to coarse of mudstone. (COHESIVE OPENCAST BACKFILL)
							At 0.8m terracotta land drain East to West with water inflow.
				4.20	81.70		Moderately weak grey MUDSTONE. Recovered as sandy subangular tabular fine to coarse gravel.
				4.40	81.50		(COAL MEASURES) ----- End of pit at 4.40 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431682.25 - 407817.98 Level: 85.90	Date 30/11/2021
Location: South Yorkshire		Dimensions (m): Depth 3.00	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	85.60		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
							MADE GROUND: Firm greyish brown gravelly silty CLAY. Gravel is angular to subangular fine to coarse of mudstone. (COHESIVE OPENCAST BACKFILL)
				3.00	82.90		From 1.4m to 3.0m, major spalling of side walls. End of pit at 3.00 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. Major spalling of the sides of the trial pit between 1.4m and 3.0m depth during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431640.75 - 407794.86 Level: 88.60	Date 30/11/2021
Location: South Yorkshire		Dimensions (m): Depth 3.80	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	88.30		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to coarse of mudstone. (MADE GROUND TOPSOIL)
				0.50	88.10		MADE GROUND: Stiff orange mottled grey silty CLAY. (COHESIVE MADE GROUND)
							MADE GROUND: Firm brownish grey gravelly silty CLAY. Gravel is subangular fine to coarse of mudstone and ironstone. (COHESIVE OPENCAST BACKFILL)
				3.10	85.50		Firm black gravelly CLAY. Gravel is angular fine to medium of mudstone and coal. (THIN COAL)
				3.20	85.40		Extremely weak black vitreous COAL. (THIN COAL)
				3.40	85.20		Grey mottled orange sandy silty subangular fine to coarse GRAVEL of grey fossiliferous mudstone. (GRANULAR RESIDUAL SOIL)
				3.80	84.80		End of pit at 3.80 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431640.75 - 407794.86 Level: 88.60	Date 30/11/2021
Location: South Yorkshire		Dimensions (m): Depth 4.20	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	88.30		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to coarse of mudstone. (MADE GROUND TOPSOIL)
				0.50	88.10		MADE GROUND: Stiff orangish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE MADE GROUND)
				1.50	87.10		MADE GROUND: Firm brownish grey gravelly silty CLAY. Gravel is angular to subangular fine to coarse MUDSTONE. (COHESIVE OPENCAST BACKFILL)
				4.20	84.40		MADE GROUND: Greyish brown silty clayey angular to subangular fine to coarse GRAVEL of mudstone and ironstone. Medium cobble content of angular mudstone. (GRANULAR OPENCAST BACKFILL)
							End of pit at 4.20 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431640.75 - 407794.86 Level: 88.60	Date 30/11/2021
Location: South Yorkshire		Dimensions (m): Depth 4.00	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	88.30		<p>MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)</p> <p>MADE GROUND: Firm brownish grey gravelly silty CLAY. Low cobble content of subangular mudstone. Gravel is angular to subangular fine to coarse of mudstone and ironstone. (COHESIVE OPENCAST BACKFILL)</p>
				3.60	85.00		<p><i>At 3.6m, a thin horizon of black clay present at base of made ground.</i></p>
				4.00	84.60		<p>Grey mottled orange sandy angular fine to coarse GRAVEL of fossiliferous grey mudstone. (GRANULAR RESIDUAL SOIL)</p>
							End of pit at 4.00 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431640.75 - 407794.86 Level: 88.60	Date 30/11/2021
Location: South Yorkshire		Dimensions (m): Depth 3.00	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	88.30		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
				0.50	88.10		MADE GROUND: Stiff orange mottled grey silty slightly gravelly CLAY. Gravel is subangular fine of mudstone. (COHESIVE MADE GROUND)
							MADE GROUND: Firm brownish grey gravelly silty CLAY with a medium cobble content of subangular mudstone. Gravel is angular to subangular fine to coarse of mudstone, ironstone and carbonaceous mudstone. (COHESIVE OPENCAST BACKFILL)
							<i>From 1.0m to 3.0m, major spalling of the side walls.</i>
				3.00	85.60		End of pit at 3.00 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. Major spalling of the sides of the trial pit between 1.0m and 3.0m depth during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431640.75 - 407794.86 Level: 88.60	Date 30/11/2021
Location: South Yorkshire	Dimensions (m): Depth 4.10		Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	88.30		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL) <i>From 0.0m to 3.0m, complete collapse of sidewall. Land drain with running water exposed at 1.0m behind collapsed side wall.</i>
				1.10	87.50		MADE GROUND: Firm brownish grey gravelly silty CLAY. Gravel is angular to subangular fine to coarse of mudstone. (COHESIVE MADE GROUND)
				4.00	84.60		MADE GROUND: Brownish grey silty clayey angular to subangular fine to coarse GRAVEL of mudstone and ironstone. (GRANULAR OPENCAST BACKFILL)
				4.10	84.50		At 3.9m, thin horizon, approximately 0.1m thick of black vitreous coal and firm grey gravelly silty CLAY. Grey slightly clayey angular tabular fine to coarse GRAVEL of fossiliferous mudstone. (GRANULAR RESIDUAL SOIL) <i>End of pit at 4.10 m</i>

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit were unstable between 1.1m and 4.1m depth during excavation with complete collapse at 4.1m.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431685.90 - 407769.62 Level: 87.60	Date 30/11/2021
Location: South Yorkshire		Dimensions (m): Depth 4.00	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	87.30		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to coarse of mudstone. (MADE GROUND TOPSOIL)
							MADE GROUND: Stiff greyish brown gravelly silty CLAY. Gravel is angular to subangular fine to coarse of mudstone and carbonaceous mudstone and ironstone. (COHESIVE OPENCAST BACKFILL)
				3.60	84.00		MADE GROUND: Grey clayey angular to subangular fine to coarse GRAVEL of mudstone, carbonaceous mudstone and ironstone. (GRANULAR OPENCAST BACKFILL)
				3.80	83.80		<i>From 3.6m to 3.8m, spalling of trial pit side wall.</i>
				4.00	83.60		MADE GROUND: Firm to stiff orange mottled grey silty slightly gravelly CLAY. Gravel is angular fine to medium of mudstone. (COHESIVE OPENCAST BACKFILL) End of pit at 4.00 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. Spalling of the sides of the trial pit between 3.6m and 3.8m depth during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431685.90 - 407769.62 Level: 87.60	Date 30/11/2021
Location: South Yorkshire		Dimensions (m): Depth 3.80	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	87.30		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to coarse of mudstone. (MADE GROUND TOPSOIL)
							MADE GROUND: Firm brownish grey gravelly silty CLAY. Gravel is angular to subangular fine to coarse of mudstone and occasional ironstone. (COHESIVE MADE GROUND)
				3.20	84.40		MADE GROUND: Stiff grey mottled orange gravelly silty CLAY. Gravel is angular to subangular fine to coarse of mudstone and ironstone. (COHESIVE OPENCAST BACKFILL)
				3.50	84.10		Extremely weak black vitreous COAL. Recovered as angular fine to coarse gravel. (THIN COAL)
				3.60	84.00		
				3.80	83.80		Soft orange mottled grey gravelly silty CLAY. Gravel is fine to medium of mudstone and ironstone. (SEAT EARTH)
							End of pit at 3.80 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431639.15 - 407767.73 Level: 89.45	Date 01/12/2021
Location: South Yorkshire	Dimensions (m): Depth 3.70		Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	89.15		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is angular to subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
				0.40	89.05		MADE GROUND: Stiff orangish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE MADE GROUND)
							MADE GROUND: Stiff greyish brown gravelly silty CLAY. Gravel is angular to subangular fine to coarse of mudstone, coal and ironstone. (COHESIVE OPENCAST BACKFILL)
				2.70	86.75		MADE GROUND: Soft to firm black ashy gravelly silty CLAY. Gravel is angular to subangular fine to medium of coal. (COHESIVE OPENCAST BACKFILL)
				3.10	86.35		MADE GROUND: Firm greyish brown gravelly silty CLAY. Gravel is angular fine to coarse of mudstone, ironstone and coal. (COHESIVE OPENCAST BACKFILL)
				3.40	86.05		Stiff grey mottled brownish grey silty CLAY. (COHESIVE RESIDUAL SOIL)
				3.70	85.75		End of pit at 3.70 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431639.15 - 407767.73 Level: 89.45	Date 01/12/2021
Location: South Yorkshire	Dimensions (m): Depth 3.30		Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	89.15		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
				0.50	88.95		MADE GROUND: Stiff orangish brown mottled grey silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE MADE GROUND)
				1.70	87.75		MADE GROUND: Firm greyish brown gravelly silty CLAY. Gravel is angular to subangular fine to coarse of mudstone and ironstone. (COHESIVE OPENCAST BACKFILL)
				2.30	87.15		Extremely weak black vitreous COAL. Recovered as angular fine to coarse gravel. (THIN COAL)
				3.10	86.35		Stiff grey mottled greenish grey gravelly silty CLAY. Gravel is subangular fine to medium of mudstone lithorelicts.
				3.30	86.15		(SEAT EARTH) End of pit at 3.30 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431639.15 - 407767.73 Level: 89.45	Date 01/12/2021
Location: South Yorkshire	Dimensions (m): Depth 3.40		Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	89.15		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is angular to subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
				0.40	89.05		MADE GROUND: Stiff orangish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE MADE GROUND)
				2.70	86.75		MADE GROUND: Firm greyish brown gravelly silty CLAY. Gravel is angular to subangular fine to coarse of mudstone and ironstone. (COHESIVE OPENCAST BACKFILL)
				3.10	86.35		Stiff grey mottled brownish grey silty CLAY. (COHESIVE RESIDUAL SOIL) <i>From 3.1m to 3.2m, horizon of orange and grey clayey GRAVEL of mudstone.</i>
				3.40	86.05		End of pit at 3.40 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431590.07 - 407780.44 Level: 90.90	Date 01/12/2021
Location: South Yorkshire	Dimensions (m): Depth 4.00		Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	90.60		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
				0.50	90.40		MADE GROUND: Stiff orange mottled grey silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE MADE GROUND) <i>From 0.3m to 3.8m, spalling of the trial pit side walls.</i>
				1.20	89.70		MADE GROUND: Firm brownish grey gravelly silty CLAY. Gravel is angular to subangular fine to coarse of mudstone and ironstone. (COHESIVE OPENCAST BACKFILL)
				4.00	86.90		MADE GROUND: Brownish grey silty clayey angular fine to coarse GRAVEL of mudstone and ironstone. Medium cobble content of angular mudstone. (GRANULAR OPENCAST BACKFILL)
							End of pit at 4.00 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit were unstable between 0.3m and 4.0m depth during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431590.07 - 407780.44 Level: 90.90	Date 01/12/2021
Location: South Yorkshire		Dimensions (m): Depth 3.00	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	90.60		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)
				0.50	90.40		MADE GROUND: Stiff brownish orange silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE MADE GROUND) <i>From 0.3m to 3.0m, major spalling of the side walls.</i>
				1.10	89.80		MADE GROUND: Firm brownish grey gravelly silty CLAY. Gravel is angular to subangular fine to coarse of mudstone and ironstone. (COHESIVE OPENCAST BACKFILL)
				3.00	87.90		MADE GROUND: Brownish grey silty clayey fine to coarse GRAVEL of mudstone and ironstone. (GRANULAR OPENCAST BACKFILL)
							End of pit at 3.00 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit were unstable between 0.3m and 3.0m depth during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431608.64 - 407773.15 Level: 90.35	Date 01/12/2021
Location: South Yorkshire		Dimensions (m): Depth 4.20	Scale 1:25 Logged AT
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30	90.05		MADE GROUND: Greyish brown silty slightly gravelly CLAY with frequent rootlets. Gravel is subangular fine to medium of mudstone. (MADE GROUND TOPSOIL)	
				1.10	89.25		MADE GROUND: Stiff orangish brown gravelly silty CLAY. Gravel is angular to subangular fine to coarse of mudstone and ironstone. (COHESIVE MADE GROUND)	
							<i>At 0.8m, terracotta land drain running North to South with water seepage.</i>	1
							MADE GROUND: Greyish brown silty clayey angular to subangular fine to coarse GRAVEL of mudstone and ironstone. (GRANULAR OPENCAST BACKFILL)	2
				3.60	86.75		MADE GROUND: Firm orange mottled grey gravelly silty CLAY. Gravel is subangular fine to medium of mudstone and coal. (COHESIVE OPENCAST BACKFILL)	3
				4.20	86.15		End of pit at 4.20 m	4
								5

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431668.33 - 407734.07 Level: 89.75	Date 01/12/2021
Location: South Yorkshire		Dimensions (m): Depth 4.40	Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	89.45		MADE GROUND: Greyish brown silty CLAY. Some rootlets. (MADE GROUND TOPSOIL)
				0.60	89.15		MADE GROUND: Light brown mottled grey CLAY. (COHESIVE MADE GROUND)
							MADE GROUND: Grey gravelly CLAY. Gravel is angular fine to coarse of mudstone. (COHESIVE OPENCAST BACKFILL)
				3.10	86.65		MADE GROUND: Stiff light brown mottled grey CLAY. Gravel is subangular tabular medium of mudstone. (COHESIVE OPENCAST BACKFILL) <i>3.3m to 3.4m bed of gravel of dull ashy coal.</i>
				4.40	85.35		<i>4.4m no evidence of highwall encountered during excavation.</i> End of pit at 4.40 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431625.79 - 407711.11 Level: 92.35	Date 01/12/2021
Location: South Yorkshire		Dimensions (m): Depth 4.40	Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	92.05		MADE GROUND: Dark greyish brown silty slightly gravelly CLAY. Gravel is angular to subangular fine of mudstone and occasional sandstone, siltstone and pottery. Some rootlets. (MADE GROUND TOPSOIL)
				0.70	91.65		MADE GROUND: Stiff light brown mottled grey gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE MADE GROUND)
							MADE GROUND: Brownish grey very clayey angular to subangular fine to coarse GRAVEL of mudstone. High subangular mudstone cobble content. High subangular small to medium mudstone and siltstone boulder content. (GRANULAR OPENCASE BACKFILL) <i>From 0.9m spalling of trial pit walls during excavation.</i>
				4.40	87.95		<i>4.4m No evidence of highwall encountered during excavation. End of pit at 4.40 m</i>

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit were unstable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: - Level:	Date 02/12/2021
Location: South Yorkshire	Dimensions (m): Depth 4.20		Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.25			MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular medium of mudstone. (MADE GROUND TOPSOIL)
				0.70			MADE GROUND: Light brown mottled grey CLAY. (COHESIVE MADE GROUND)
				4.20			MADE GROUND: Grey very gravelly CLAY. Gravel is subangular fine to coarse of mudstone and occasional siltstone. Low subangular mudstone cobble content. Low subangular small and medium mudstone boulder content. (COHESIVE OPENCAST BACKFILL)
							4.2m no evidence of highwall encountered during excavation. End of pit at 4.20 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431758.03 - 407705.29 Level: 88.05	Date 02/12/2021
Location: South Yorkshire	Dimensions (m): Depth 3.00		Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	87.75		MADE GROUND: Greyish brown silty CLAY. Some rootlets. (MADE GROUND TOPSOIL)
				1.90	86.15		MADE GROUND: Brownish red very angular to subangular fine to medium GRAVEL of burnt shale. (GRANULAR OPENCAST BACKFILL)
				2.30	85.75		Stiff brown mottled grey CLAY. (COHESIVE RESIDUAL SOIL) <i>Highwall cut at 30° through Cohesive Residual Soils ad 80° through Sandstone.</i>
				3.00	85.05		Moderately weak light brown thickly bedded fine grained SANDSTONE. (COAL MEASURES)
							End of pit at 3.00 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431758.03 - 407705.29 Level: 88.05	Date 02/12/2021
Location: South Yorkshire	Dimensions (m): Depth 4.50		Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	87.75		MADE GROUND: Greyish brown silty CLAY. Some rootlets. (MADE GROUND TOPSOIL)
				0.60	87.45		MADE GROUND: Light brown mottled grey CLAY. (COHESIVE MADE GROUND)
				1.10	86.95		MADE GROUND: Grey gravelly CLAY. Gravel is angular fine to coarse of mudstone. (COHESIVE OPENCAST BACKFILL) <i>0.7m terracotta land drain excavated with water ingress.</i>
				4.50	83.55		MADE GROUND: Stiff light brown mottled grey CLAY. Gravel is subangular tabular medium of mudstone. (COHESIVE OPENCAST BACKFILL)
							End of pit at 4.50 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431699.84 - 407647.83 Level: 92.45	Date 02/12/2021
Location: South Yorkshire		Dimensions (m): Depth 2.50	Scale 1:25 Logged GLM
Client: Strata Homes		3 0.6	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
▼				0.25	92.20		MADE GROUND: Dark greyish brown silty slightly gravelly CLAY. Gravel is angular fine of mudstone and occasional pottery. (MADE GROUND TOPSOIL)
				0.50	91.95		MADE GROUND: Light brown mottled grey gravelly CLAY. Gravel is angular tabular fine to coarse of mudstone lithorelicts. (COHESIVE MADE GROUND)
							MADE GROUND: Grey very gravelly CLAY. Gravel is angular fine to coarse of mudstone. Medium subangular mudstone cobble content. (COHESIVE OPENCAST BACKFILL)
							2.2m Seepage of groundwater.
				2.50	89.95		End of pit at 2.50 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater at 2.2m during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431699.84 - 407647.83 Level: 92.45	Date 02/12/2021
Location: South Yorkshire	Client: Strata Homes	Dimensions (m): Depth 1.20	Scale 1:25 Logged GLM

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.25	92.20		MADE GROUND: Dark greyish brown silty slightly gravelly CLAY. Gravel is angular fine of mudstone and occasional pottery. (MADE GROUND TOPSOIL)
				0.40	92.05		MADE GROUND: Light brown mottled grey gravelly CLAY. Gravel is angular tabular fine to coarse of mudstone lithorelicts. (COHESIVE MADE GROUND)
				0.60	91.85		MADE GROUND: Grey very gravelly CLAY. Gravel is angular fine to coarse of mudstone. Medium subangular mudstone cobble content. (COHESIVE OPENCAST BACKFILL)
				0.80	91.65		Stiff light brown gravelly CLAY. Gravel is subangular medium of mudstone. (COHESIVE RESIDUAL SOIL)
				1.20	91.25		<i>Highwall cut at 45° throughout Residual Soils and Sandstone.</i> Medium strong greyish brown thinly bedded fine grained SANDSTONE. Recovered as slightly clayey angular tabular medium to coarse gravel. (COAL MEASURES)

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431666.93 - 407631.50 Level: 94.05	Date 02/12/2021
Location: South Yorkshire		Dimensions (m): Depth 3.50	Scale 1:25 Logged GLM
Client: Strata Homes			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.25	93.80		MADE GROUND: Greyish brown silty CLAY. Some rootlets. (MADE GROUND TOPSOIL)
				0.60	93.45		MADE GROUND: Light brown mottled grey slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE MADE GROUND)
							MADE GROUND: Grey gravelly slightly sandy CLAY. Gravel is angular to subangular fine to coarse of mudstone and rare pottery. Low angular to subangular mudstone and siltstone cobble content. Rare fragments of wire rope. (COHESIVE OPENCASST BACKFILL)
				3.50	90.55		3.5m No evidence of highwall during excavation. Unable to advance trench further due to presence of overhead utilities. End of pit at 3.50 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Project Name: Barnsley West (LT1) Project No. 3104 Co-ords: 431674.34 - 407613.49 Date 02/12/2021
 Level: 94.30

Location: South Yorkshire Dimensions (m): 3 Scale 1:25
 Depth 1.00

Client: Strata Homes Logged GLM

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.25	94.05		Dark greyish brown silty CLAY. Some rootlets. (TOPSOIL)
				1.00	93.30		Stiff light brown mottled grey gravelly CLAY. Gravel is subangular medium of siltstone. (COHESIVE RESIDUAL SOIL)
							1.0m No evidence of highwall during excavation. Unable to advance trench further due to presence of overhead utility. End of pit at 1.00 m

Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Stability: 1. The sides of the trial pit remained stable during excavation.



Appendix G
Borehole Logs

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431307.43 - 407605.19

Hole Type
CP

Location: South Yorkshire

Level: 112.50

Scale
1:50

Client: Strata Homes

Dates: 15/11/2021 - 15/11/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 0.80	B		0.30	112.20		MADE GROUND: Greyish brown silty slightly sandy CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)	
				N=24 (5,5/5,7,7,5)	0.80	111.70		MADE GROUND: Firm light brown mottled grey CLAY. (COHESIVE MADE GROUND)	
		1.00							1
		1.00 - 1.45	D						
		1.00 - 2.00	B					MADE GROUND: Grey very gravelly CLAY. Gravel is subangular fine to coarse of mudstone and occasional siltstone. Likely with medium cobble content in-situ. (COHESIVE OPENCAST BACKFILL)	
		2.00			N=14 (2,1/3,4,3,4)				2
		2.00 - 2.45	D						
		3.00			N=10 (1,1/1,2,4,3)				3
		3.00 - 3.45	D						
		4.00			N=23 (6,5/4,7,6,6)				4
	4.00 - 4.45	D							
	4.00 - 5.00	B							
	5.00			50 (25 for 105mm/50 for 245mm)	5.00	107.50		Grey MUDSTONE. (COAL MEASURES)	5
	5.00 - 5.05	D							
	5.38			50 (25 for 85mm/50 for 240mm)	5.40	107.10		End of borehole at 5.40 m	6
									7
									8
									9
									10

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Borehole Log

Borehole No.

BH002

Sheet 1 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431366.78 - 407545.53

Hole Type
CP

Location: South Yorkshire

Level: 113.20

Scale
1:50

Client: Strata Homes

Dates: 15/11/2021 - 15/11/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 1.00	B		0.30	112.90	MADE GROUND: Greyish brown slightly sandy slightly gravelly CLAY. Gravel is subangular fine of mudstone. Some rootlets. (MADE GROUND TOPSOIL)	
		1.00		N=18 (2,3/4,4,5,5)	0.90	112.30		
		1.00 - 1.45	D				MADE GROUND: Brown mottled grey slightly gravelly CLAY. Gravel is subangular fine of mudstone and mudstone lithorelicts. (COHESIVE MADE GROUND)	
		1.00 - 2.00	B					
		2.00			N=8 (1,2/2,2,2,2)			MADE GROUND: Grey very gravelly CLAY. Gravel is angular to subangular fine to coarse of mudstone and rare siltstone, sandstone, pottery and coal. (COHESIVE OPENCAST BACKFILL)
		2.00 - 2.45	D					
		3.00	D		N=12 (5,5/2,3,3,4)			
		3.00 - 4.00	B					
		4.00			N=16 (3,2/3,4,4,5)			
		5.00	D		N=21 (2,3/3,5,6,7)			
		5.00						
		6.00	D		N=29 (4,4/6,7,8,8)			
	6.00 - 7.00	B						
	6.50	D		N=27 (4,4/5,7,7,8)				
	6.50 - 6.95							
	8.00	D		N=28 (2,4/4,6,9,9)				
	8.00 - 8.45							
	9.00	D						
	9.00 - 10.00	B						
	9.50	D						
	9.50 - 9.95							

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 3.0m and at 8.0m during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.



Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431366.78 - 407545.53

 Hole Type
CP

Location: South Yorkshire

Level: 113.20

 Scale
1:50

Client: Strata Homes

Dates: 15/11/2021 - 15/11/2021

 Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		11.00 11.00 - 11.45	D	N=34 (6,6/7,8,8,11)					11
		12.00 - 12.78 12.00 - 13.30	D B						12
		12.50 12.50 - 12.78 12.78 - 13.36	D B	50 (10,8/50 for 285mm)	12.60	100.60		Grey MUDSTONE. (COAL MEASURES)	13
		13.30		50 (25 for 115mm/50 for 245mm)	13.40	99.80			14
								End of borehole at 13.40 m	15
									16
									17
									18
									19
									20

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 3.0m and at 8.0m during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431437.31 - 407696.27

 Hole Type
CP

Location: South Yorkshire

Level: 101.40

 Scale
1:50

Client: Strata Homes

Dates: 16/11/2021 - 16/11/2021

 Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.70	B		0.70	100.70	MADE GROUND: Brown mottled grey slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE MADE GROUND)	
		1.00		N=37 (2,6/8,7,10,12)			MADE GROUND: Grey very gravelly CLAY. Gravel is angular to subangular fine to coarse of mudstone and occasional siltstone. Likely with medium cobble content and low boulder content in situ. (COHESIVE OPENCAST BACKFILL)	
		1.00 - 1.45	D					
		1.00 - 2.00	B					
			2.00	D	22 (25,28/22 for 295mm)			
			3.00	D	N=25 (5,4/6,6,6,7)			
			3.00 - 3.45	D				
			4.00	D	N=21 (4,3/4,5,6,6)			
			4.00 - 4.45	D				
			5.00	B	N=25 (5,4/7,6,6,6)			
		5.00	D					
		6.00	D					
		6.50	D	N=27 (6,5/27 for 230mm)				
		6.50 - 6.95	D					
		8.00	D	50 (25,/50 for 255mm)	7.80	93.60	Grey MUDSTONE. (COAL MEASURES)	
		8.00 - 8.18	D					
		8.50	D	50 (25 for 85mm/50 for 225mm)	8.60	92.80		
		8.50 - 8.60	D				End of borehole at 8.60 m	

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Borehole Log

Borehole No.

BH004

Sheet 1 of 1

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431465.40 - 407402.33

Hole Type
CP

Location: South Yorkshire

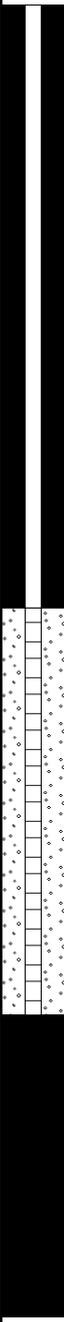
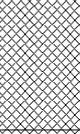
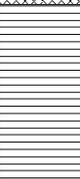
Level: 116.40

Scale
1:50

Client: Strata Homes

Dates: 16/11/2021 - 16/11/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 1.00	B		0.30	116.10		MADE GROUND: Greyish brown silty CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)
		1.00 - 1.45	B		1.20	115.20		
		1.50 - 2.00	B					MADE GROUND: Brownish grey gravelly CLAY. Gravel is subangular medium to coarse of mudstone. Likely with medium to high cobble content in situ. (COHESIVE OPENCAST BACKFILL)
		2.00 - 2.45	D	N=7 (3,1/2,1,2,2)				
		3.00 - 3.45	D	N=26 (1,4/5,4,7,10)				
		3.00 - 4.00	B					
		4.00 - 4.45	D	N=12 (3,3/3,4,3,2)				
		5.00 - 5.45	D	N=15 (4,4/5,3,3,4)				
		5.00 - 6.00	B					
		6.00 - 6.95	D	N=8 (1,1/2,2,3,1)				
		7.00 - 8.00	B					
		8.00 - 8.18	D	50 (25 for 145mm/50 for 265mm)	7.50	108.90		Grey MUDSTONE. (COAL MEASURES)
		8.00 - 8.60	B	50 (24 for 115mm/50 for 235mm)	8.70	107.70		
	8.60						End of borehole at 8.70 m	

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Borehole Log

Borehole No.

BH005

Sheet 1 of 1

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431471.31 - 407648.36

Hole Type
CP

Location: South Yorkshire

Level: 102.55

Scale
1:50

Client: Strata Homes

Dates: 16/11/2021 - 16/11/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.80	B		0.35	102.20		<p>MADE GROUND: Greyish brown slightly sandy slightly gravelly CLAY. Gravel is subangular fine of mudstone. Some rootlets. (MADE GROUND TOPSOIL)</p> <p>MADE GROUND: Brown mottled grey slightly gravelly CLAY. Gravel is subangular fine of mudstone and mudstone lithorelicts. (COHESIVE MADE GROUND)</p> <p>MADE GROUND: Grey very gravelly CLAY. Gravel is angular to subangular fine to coarse of mudstone and rare siltstone, sandstone, pottery and coal. (COHESIVE OPENCAST BACKFILL)</p>
		1.00		N=28 (8,7/7,7,7,7)	0.80	101.75		
		1.00 - 1.45	D					
		1.00 - 2.00	B					
		2.00		N=35 (5,9/7,7,10,11)				
		2.00 - 2.45	D					
		3.00		N=31 (6,7/4,9,9,9)				
		3.00 - 3.45	D					
		4.00		50 (25 for 85mm/50 for 240mm)				
		4.00 - 5.45	D					
	5.00		N=36 (5,4/4,5,6,21)					
	5.00 - 5.45	D						
	5.00 - 6.00	B						
				6.00	96.55		Grey MUDSTONE. (COAL MEASURES)	
				6.50				
				6.64				
				6.64				
					6.70	95.85		End of borehole at 6.70 m

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.



Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431488.24 - 407307.40

 Hole Type
CP

Location: South Yorkshire

Level: 122.90

 Scale
1:50

Client: Strata Homes

Dates: 17/11/2021 - 17/11/2021

 Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 0.90	B		0.30	122.60		MADE GROUND: Greyish brown silty CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)	
		0.90 - 2.00	B	N=31 (7,6/8,10,6,7)	0.90	122.00		MADE GROUND: Light brown mottled grey CLAY. (COHESIVE MADE GROUND)	1
		1.00 - 1.45	D						
		2.00	D	N=14 (13,7/4,4,3,3)					2
		2.00 - 2.45	D						
		3.00	D	N=6 (2,1/2,1,2,1)					3
		3.00 - 3.45	D						
		4.00	B	N=9 (2,2/2,2,3,2)					4
		4.00 - 4.45	D						
		5.00	D	N=14 (4,2/4,4,2,4)					5
	5.00 - 5.45	D							
	5.30	D							
	6.00	D						6	
	6.50	B	N=20 (6,5/8,5,5,2)					7	
	6.50 - 6.95	D							
	8.00	D	N=16 (4,4/4,5,4,3)					8	
	8.00	D							
	9.00	D						9	
	9.50	D							
	9.50	D	50 (8,7/50 for 275mm)	9.80	113.10				
	9.80 - 9.85	B					Grey MUDSTONE likely to be large boulder(s).	10	

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

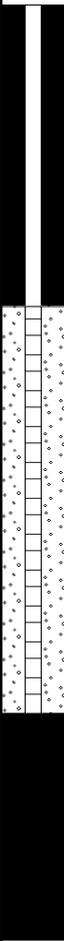
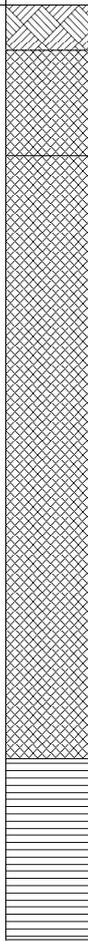
Borehole Log

Borehole No.

BH007

Sheet 1 of 1

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431527.45 - 407607.18	Hole Type CP
Location: South Yorkshire		Level: 101.65	Scale 1:50
Client: Strata Homes		Dates: 17/11/2021 - 17/11/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 1.00	B		0.30	101.35		<p>MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone and rare pottery. Occasional rootlets. (MADE GROUND TOPSOIL)</p> <p>MADE GROUND: Brown mottled grey CLAY. (COHESIVE MADE GROUND)</p> <p>MADE GROUND: Grey, occasionally brown, very gravelly slightly sandy CLAY. Gravel is subangular medium to coarse of mudstone and rare siltstone and coal. Likely with low to medium cobble content in situ. (COHESIVE OPENCAST BACKFILL)</p> <p>Grey MUDSTONE. (COAL MEASURES)</p>	
		1.00		N=12 (2,4/2,2,4,4)	1.00	100.65			1
		1.00 - 1.45	D						
		1.00 - 2.00	B						
		2.00		N=17 (2,4/3,4,5,5)					2
		2.00 - 2.45	D						
		3.00		N=20 (4,4/5,4,6,5)					3
	3.00 - 3.45	D							
	4.00		N=17 (3,4/4,4,5,4)			4			
	4.00 - 4.45	D							
	4.00 - 5.00	B							
	5.00		50 (10 for 105mm/50 for 295mm)	5.00	96.65		5		
	5.00 - 5.25	D							
	6.00		50 (25 for 95mm/50 for 295mm)	6.20	95.45		6		
	6.00 - 6.16	D							
							7		
							8		
							9		
							10		

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431497.15 - 407185.71

Hole Type
CP

Location: South Yorkshire

Level: 127.40

Scale
1:50

Client: Strata Homes

Dates: 17/11/2021 - 17/11/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
[Well Diagram]		0.00 - 1.00	B		0.40	127.00	[Pattern]	MADE GROUND: Greyish brown silty slightly sandy CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)	
		1.00		N=12 (2,2/3,2,3,4)	1.00	126.40	[Pattern]	MADE GROUND: Firm light brown mottled grey CLAY. (COHESIVE MADE GROUND)	1
		1.00 - 1.45	D						
		1.00 - 2.00	B						
		2.00		N=12 (16,5/4,2,3,3)					2
		2.00 - 2.45	D						
		3.00		N=11 (7,4/3,3,2,3)					3
		3.00 - 3.45	D						
		4.00		N=12 (2,2/3,2,3,4)					4
		4.00 - 4.45	D						
		4.00 - 5.00	B						
		5.00		N=12 (4,4/3,3,3,3)					5
	5.00 - 5.45	D							
	6.00	D						6	
	6.00 - 7.00	B							
	6.50		N=10 (3,2/2,3,2,3)					7	
	6.50 - 6.95	D							
	8.00		N=17 (3,2/3,4,5,5)					8	
	8.00 - 8.45	D							
	8.00 - 9.00	B							
	9.00							9	
	9.50		N=23 (4,4/4,5,6,8)						
	9.50 - 9.95	D							
	10.00 - 11.00	B						10	

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.



Borehole Log

Borehole No.

BH008

Sheet 2 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431497.15 - 407185.71

Hole Type
CP

Location: South Yorkshire

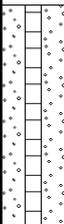
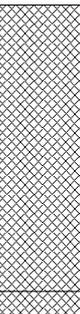
Level: 127.40

Scale
1:50

Client: Strata Homes

Dates: 17/11/2021 - 17/11/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		11.00 11.00 - 11.45	D	N=17 (8,4/5,3,4,5)				11
		11.90 11.90 - 11.92 11.90 - 12.00 12.00	D D	50 (25 for 85mm/50 for 235mm) 50 (25 for 95mm/50 for 235mm)	11.90 12.10	115.50 115.30		
							Grey MUDSTONE likely to be large boulder(s). (GRANULAR OPENCAST BACKFILL) End of borehole at 12.10 m	13
								14
								15
								16
								17
								18
								19
								20

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.



Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431455.79 - 407786.76

 Hole Type
CP

Location: South Yorkshire

Level: 96.05

 Scale
1:50

Client: Strata Homes

Dates: 18/11/2021 - 18/11/2021

 Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 1.00	B		0.30	95.75		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone and rare pottery. Occasional rootlets. (MADE GROUND TOPSOIL) MADE GROUND: Brown mottled grey CLAY. (COHESIVE MADE GROUND) MADE GROUND: Grey, occasionally brown, very gravelly slightly sandy CLAY. Gravel is subangular medium to coarse of mudstone and rare siltstone and coal. Likely with low to medium cobble content in situ. (COHESIVE OPENCAST BACKFILL) Grey MUDSTONE. (COAL MEASURES)	
		1.00		N=22 (2,4/5,6,7,4)	1.00	95.05			1
		1.00 - 1.45	D						
		1.00 - 2.00	B						
		2.00		N=12 (1,1/3,3,3,3)					2
		2.00 - 2.45	D						
		3.00		N=7 (1,2/1,2,2,2)					3
		3.00 - 3.45	D						
		4.00		N=6 (1,1/2,1,2,1)					4
		4.00 - 4.45	D						
	4.00 - 5.00	B							
	5.00		N=11 (2,2/3,3,2,3)			5			
	5.00 - 5.45	D							
	6.50		50 (3,11/50 for 245mm)		6.70	89.35		6	
	6.50 - 6.75	D							
	7.30		50 (25 for 135mm/50 for 295mm)		7.50	88.55		7	
	7.30 - 7.51	D							
								8	
								9	
								10	

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

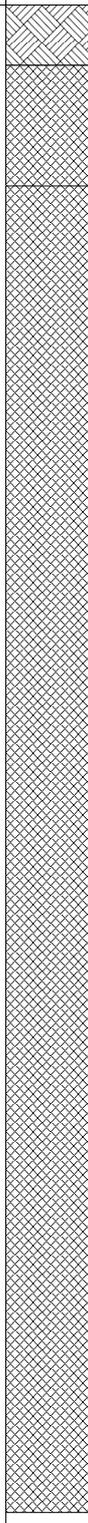
Borehole Log

Borehole No.

BH010

Sheet 1 of 2

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431497.79 - 407090.31	Hole Type CP
Location: South Yorkshire		Level: 129.30	Scale 1:50
Client: Strata Homes		Dates: 18/11/2021 - 18/11/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 1.00	B		0.40	128.90		<p>MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone and rare pottery. Occasional rootlets. (MADE GROUND TOPSOIL)</p> <p>MADE GROUND: Brown mottled grey slightly gravelly CLAY. Gravel is subangular fine of mudstone and mudstone lithorelicts. (COHESIVE MADE GROUND)</p> <p>MADE GROUND: Grey very gravelly CLAY. Gravel is subangular fine to coarse of mudstone and occasional siltstone. Likely with medium cobble content in-situ. (COHESIVE OPENCAST BACKFILL)</p>	
		1.00		N=14 (1,2/3,4,4,3)					1
		1.00 - 1.45	D		1.20	128.10			
		1.20 - 2.00	B						
		2.00		N=22 (3,3/6,6,5,5)					2
		2.00 - 2.45	D						
		3.00		N=12 (6,3/4,3,3,2)					3
		3.00 - 3.45	D						
		3.00 - 4.00	B						
		4.00		N=11 (4,4/2,4,2,3)					4
		4.00 - 4.45	D						
		5.00		N=14 (5,3/3,4,3,4)					5
	5.00 - 5.45	D							
	5.00 - 6.00	B							
	6.00					6			
	6.50		N=17 (11,9/7,3,3,4)			7			
	6.50 - 6.95	D							
	7.00 - 8.00	B				7			
	8.00		N=43 (9,8/15,13,6,9)			8			
	8.00 - 8.45	D							
	9.00 - 10.00	B				9			
	9.50		N=25 (15,6/7,6,7,5)			10			
	9.50 - 9.95	D							

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.



Borehole Log

Borehole No.

BH010

Sheet 2 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431497.79 - 407090.31

Hole Type
CP

Location: South Yorkshire

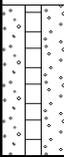
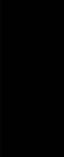
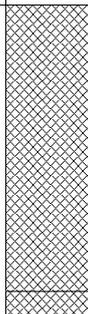
Level: 129.30

Scale
1:50

Client: Strata Homes

Dates: 18/11/2021 - 18/11/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		11.00		N=43 (10,8/9,12,12,10)				11	
		11.00 - 11.45 11.00 - 11.90	D B						
		11.90		50 (25 for 85mm/50 for 235mm)	11.90	117.40		Grey MUDSTONE likely to be large boulder(s). (GRANULAR OPENCAST BACKFILL) End of borehole at 12.00 m	12
		11.90 - 12.00 12.00	D	50 (25 for 80mm/50 for 235mm)	12.10	117.20			
									13
									14
									15
									16
									17
									18
									19
									20

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.



Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431480.23 - 406977.22

 Hole Type
CP

Location: South Yorkshire

Level: 133.05

 Scale
1:50

Client: Strata Homes

Dates: 24/11/2021 - 24/11/2021

 Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.35 - 0.90	B		0.30	132.75	MADE GROUND: Greyish brown slightly gravelly silty CLAY. Gravel is angular fine of mudstone. Occasional rootlets. (MADE GROUND TOPSOIL)		
		1.00		N=36 (3,12/14,10,6,6)	0.90	132.15	MADE GROUND: Brown mottled grey CLAY. (COHESIVE MADE GROUND)		
		1.00 - 1.45	D				MADE GROUND: Grey, occasionally brownish grey, very gravelly CLAY. Gravel is subangular fine to coarse of mudstone and rare siltstone, sandstone and coal. Likely with medium to high cobble content in situ. (COHESIVE OPENCAST BACKFILL)	1	
		1.00 - 2.00	B					2	
		2.00		N=29 (9,12/8,7,7,7)				3	
		2.00 - 2.45	D					4	
		3.00		N=24 (4,6/5,5,5,9)				5	
		3.00 - 3.45	D					6	
		3.00 - 4.00	B					7	
		4.00		N=17 (4,4/5,4,5,3)				8	
	4.00 - 4.45	D				9			
	5.00		N=27 (9,4/5,5,5,12)			10			
	5.00 - 5.45	D							
	6.50		N=41 (8,8/8,7,13,13)						
	6.50 - 6.95	D							
	6.50 - 7.50	B							
	8.00		N=43 (25 for 125mm/14,10,10,9)						
	8.00 - 8.45	D							
	9.50		N=43 (25 for 125mm/14,10,10,9)						
	9.50 - 9.93	D							
	10.00 - 11.00	B							

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Borehole Log

Borehole No.

BH011

Sheet 2 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431480.23 - 406977.22

Hole Type
CP

Location: South Yorkshire

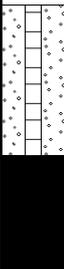
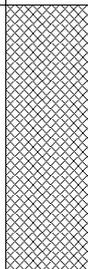
Level: 133.05

Scale
1:50

Client: Strata Homes

Dates: 24/11/2021 - 24/11/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		11.00 11.00 - 11.45	D	N=25 (6,3/6,6,7,6)				
		11.80		50 (25 for 85mm/50 for 225mm)	11.80 11.90	121.25 121.15		

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.



Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431363.72 - 407776.28

 Hole Type
CP

Location: South Yorkshire

Level: 100.10

 Scale
1:50

Client: Strata Homes

Dates: 18/11/2021 - 18/11/2021

 Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 1.00	B				MADE GROUND: Brown slightly gravelly CLAY. Gravel is angular tabular fine of mudstone lithorelicts. (COHESIVE MADE GROUND)		
		1.00 1.00 - 1.45	D	N=10 (2,1/2,2,3,3)	1.40	98.70		1	
		2.00 2.00 - 2.45 2.00 - 3.00	D B	N=14 (3,1/3,4,3,4)			MADE GROUND: Grey mottled brown very gravelly CLAY. Gravel is subangular fine to coarse of mudstone. (COHESIVE OPENCAST BACKFILL)	2	
		3.00 3.00 - 3.45	D	N=14 (2,2/3,3,4,4)				3	
		4.00 4.00 - 4.45	D	N=12 (3,3/3,3,3,3)				4	
		5.00 5.00 - 5.45 5.00 - 6.00	D B	N=9 (2,4/3,2,2,2)				5	
		6.50 6.50 - 6.95	D	N=9 (3,3/2,2,3,2)				6	
		8.00 - 8.20 8.20	D	50 (25 for 95mm/50 for 255mm)	8.00	92.10	Grey MUDSTONE. (COAL MEASURES)	8	
		8.20 - 8.44 8.44	D	50 (25 for 95mm/50 for 295mm)	8.50	91.60	----- End of borehole at 8.50 m	9	
								10	

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Borehole Log

Borehole No.

BH013

Sheet 1 of 1

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431392.85 - 407851.48	Hole Type CP
Location: South Yorkshire		Level: 96.30	Scale 1:50
Client: Strata Homes		Dates: 19/11/2021 - 19/11/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.00 - 1.00	B		0.35	95.95		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone and rare pottery. Occasional rootlets. (MADE GROUND TOPSOIL) MADE GROUND: Brown mottled grey CLAY. (COHESIVE MADE GROUND)	1	
		1.00 1.00 - 1.45	D	N=15 (1,1/3,3,3,6)	1.40	94.90				
		2.00 2.00 - 2.45 2.00 - 3.00	D B	N=11 (5,5/3,3,2,3)			3			
		3.00 3.00 - 3.45	D	N=13 (3,3/3,3,4,3)				4		
		4.00 4.00 - 4.45 4.00 - 5.00	D B	N=12 (3,3/3,3,3,3)			5			
		5.00 5.00 - 5.45	D	N=14 (3,3/3,3,3,5)				6		
		6.50 6.50 - 6.95 6.50 - 8.00	D B	N=14 (3,4/3,4,3,4)			7			
		8.00 8.00 - 8.45	D	N=15 (3,4/3,4,3,5)	8.50	87.80		8		
		9.00		50 (25 for 135mm/50 for 285mm)	9.10	87.20			Grey MUDSTONE. (COAL MEASURES)	
		9.00 - 9.12 9.05	D	50 (25 for 95mm/50 for 245mm)				End of borehole at 9.10 m		
	9.05 - 9.09	D				10				

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.



Borehole Log

Borehole No.

BH014

Sheet 1 of 1

Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431506.94 - 407787.97

 Hole Type
CP

Location: South Yorkshire

Level: 93.95

 Scale
1:50

Client: Strata Homes

Dates: 22/11/2021 - 22/11/2021

 Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.40 - 1.00	B		0.35	93.60		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone and rare pottery. Occasional rootlets. (MADE GROUND TOPSOIL)	
		1.00 1.00 - 1.45	D D	N=5 (1,2/1,2,1,1)	0.90	93.05		MADE GROUND: Brown mottled grey slightly gravelly CLAY. Gravel is subangular fine of mudstone and mudstone lithorelicts. (COHESIVE MADE GROUND)	1
		2.00 2.00 - 2.45 2.00 - 3.00	D D B	N=10 (1,1/3,2,2,3)				MADE GROUND: Grey very gravelly CLAY. Gravel is subangular fine to coarse of mudstone and occasional siltstone. Likely with medium cobble content in-situ. (COHESIVE OPENCASST BACKFILL)	2
		3.00 3.00 - 3.45	D	N=12 (2,4/3,3,2,4)					3
		4.00 4.00 - 4.45 4.00 - 5.00	D D B	N=9 (2,1/2,3,2,2)					4
		5.00 5.00 - 5.45	D	N=13 (4,3/3,4,3,3)					5
		6.50 6.50 - 6.95	D	N=39 (2,2/1,7,15,16)	6.90	87.05			6
		7.20	D	50 (25 for 135mm/50 for 250mm)	7.50	86.45		Grey MUDSTONE. (COAL MEASURES)	7
		7.20 - 7.30 7.35	D	50 (25 for 85mm/50 for 285mm)					
		7.35 - 7.50	D					End of borehole at 7.50 m	8
								9	
								10	

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431507.03 - 407848.67

 Hole Type
CP

Location: South Yorkshire

Level: 91.65

 Scale
1:50

Client: Strata Homes

Dates: 23/01/2021 - 23/11/2021

 Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.70	B		0.70	90.95		MADE GROUND: Brown mottled grey CLAY. (COHESIVE MADE GROUND)
		1.00 - 1.45 1.00 - 2.00	D B					MADE GROUND: Grey, occasionally brownish grey, very gravelly CLAY. Gravel is subangular fine to coarse of mudstone and rare siltstone, sandstone and coal. Likely with medium to high cobble content in situ. (COHESIVE OPENCAST BACKFILL)
		2.00 2.00 - 2.45	D	N=7 (3,3/2,2,2,1)				
		3.00 3.00 - 4.00	B	N=9 (1,2/2,3,2,2)				
		4.00 4.00 - 4.45	D	N=8 (2,1/1,2,2,3)				
		5.00 5.00 - 5.45 5.00 - 6.50	D B	N=8 (3,3/2,2,2,2)				
		6.00		N=9 (2,2/1,3,3,2)				
		6.50 6.50 - 6.95	D	N=7 (2,1/1,2,2,2)				
		7.75 7.75 - 8.00 8.13	D	98 (25 for 145mm/98 for 252mm)	7.60	84.05		Grey MUDSTONE. (COAL MEASURES)
		8.13 - 8.42	D	39 (25 for 140mm/11,28,,)	8.50	83.15		End of borehole at 8.50 m

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431566.49 - 407860.52

 Hole Type
CP

Location: South Yorkshire

Level: 88.55

 Scale
1:50

Client: Strata Homes

Dates: 23/11/2021 - 23/11/2021

 Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 0.80	B		0.30	88.25		MADE GROUND: Greyish brown silty CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)	
		1.00		N=20 (1,4/4,4,7,5)	0.80	87.75		MADE GROUND: Brown mottled grey slightly gravelly CLAY. Gravel is subangular fine of mudstone lithorelicts. (COHESIVE MADE GROUND)	1
		1.00 - 1.45	D					MADE GROUND: Grey, occasionally brown, very gravelly slightly sandy CLAY. Gravel is subangular medium to coarse of mudstone and rare siltstone and coal. Likely with low to medium cobble content in situ. (COHESIVE OPENCAST BACKFILL)	
		2.00		N=8 (2,1/1,1,4,2)					2
		2.00 - 2.45	D						
		2.00 - 3.00	B						
		3.00		N=4 (1,1/1,1,1,1)					3
		3.00 - 3.45	D						
		4.00		N=7 (2,1/1,3,2,1)					4
		4.00 - 4.45	D						
		4.00 - 5.00	B						
		5.00		N=12 (2,2/2,3,3,4)					5
		5.00 - 5.45	D						
		6.50		N=11 (2,1/2,3,3,3)					6
		6.50 - 6.95	D						
		6.50 - 8.00	B						7
		8.00		N=10 (1,2/2,2,2,4)					8
		8.00 - 8.45	D						
		9.50		50 (25 for 140mm/50 for 260mm)	9.50	79.05		Grey MUDSTONE.	
		9.50 - 9.60	D		9.70	78.85		(COAL MEASURES)	
								End of borehole at 9.70 m	10
								Continued on next sheet	

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.



Borehole Log

Borehole No.

BH201

Sheet 2 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431566.49 - 407860.52

Hole Type
CP

Location: South Yorkshire

Level: 88.55

Scale
1:50

Client: Strata Homes

Dates: 23/11/2021 - 23/11/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		9.53		50 (25 for 145mm/50 for 270mm)				
		9.53 - 9.65	D					
								11
								12
								13
								14
								15
								16
								17
								18
								19
								20

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.



Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431643.76 - 407851.25

 Hole Type
CP

Location: South Yorkshire

Level: 86.05

 Scale
1:50

Client: Strata Homes

Dates: 25/11/2021 - 25/11/2021

 Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.80	B		0.30	85.75		MADE GROUND: Greyish brown silty CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)
		1.00		N=8 (2,2/2,2,2,2)	0.80	85.25		MADE GROUND: Brown mottled grey slightly gravelly CLAY. Gravel is subangular fine of mudstone and mudstone lithorelicts. (COHESIVE MADE GROUND)
		1.00 - 1.45	D					MADE GROUND: Grey very gravelly CLAY. Gravel is subangular fine to coarse of mudstone and occasional siltstone. Likely with medium cobble content in-situ. (COHESIVE OPENCAST BACKFILL)
		2.00		N=6 (1,1/2,1,2,1)				
		2.00 - 2.45	D					
		2.00 - 3.00	B					
		3.00		N=7 (2,1/2,1,2,2)				
		3.00 - 3.45	D					
		4.00		N=13 (5,4/4,4,3,2)				
		4.00 - 4.45	D					
	4.00 - 4.45	D						
	5.00		N=8 (3,3/2,2,1,3)					
	5.00 - 6.00	B						
	6.50		N=15 (1,0/7,4,2,2)					
	6.50 - 6.95	D						
	8.00		50 (3,15/50 for 250mm)	8.10	77.95			
	8.00 - 8.25	D						
	8.30		50 (25 for 95mm/50 for 235mm)	8.40	77.65		Grey MUDSTONE. (COAL MEASURES)	
	8.30 - 8.32	D					End of borehole at 8.40 m	

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431676.35 - 407788.20

Hole Type
CP

Location: South Yorkshire

Level: 87.35

Scale
1:50

Client: Strata Homes

Dates: 26/11/2021 - 26/11/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 1.00	B		0.30	87.05		MADE GROUND: Greyish brown silty CLAY. Occasional rootlets. (MADE GROUND TOPSOIL)
		1.00 - 1.45	D	N=10 (1,1/3,2,2,3)	1.00	86.35		
		2.00 - 2.45	D	N=8 (1,1/2,2,2,2)				MADE GROUND: Grey, occasionally brown, very gravelly slightly sandy CLAY. Gravel is subangular medium to coarse of mudstone and rare siltstone and coal. Likely with low to medium cobble content in situ. (COHESIVE OPENCAST BACKFILL)
		2.00 - 3.00	B					
		3.00		N=4 (1,1/1,1,1,1)				
		4.00 - 4.45	D	N=36 (2,4/7,10,10,9)				Grey MUDSTONE. (COAL MEASURES)
		4.00 - 4.45	D					
		5.00 - 5.00	B	50 (25 for 95mm/50 for 265mm)	5.00	82.35		
		5.35 - 5.35	D	50 (25 for 75mm/50 for 225mm)	5.40	81.95		End of borehole at 5.40 m

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431594.93 - 407780.65

 Hole Type
CP

Location: South Yorkshire

Level: 90.70

 Scale
1:50

Client: Strata Homes

Dates: 29/11/2021 - 29/11/2021

 Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 0.90	B		0.30	90.40		MADE GROUND: Greyish brown silty slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone and rare pottery. Occasional rootlets. (MADE GROUND TOPSOIL)	
		1.00 1.00 - 1.45	D	N=10 (2,2/3,4,2,1)	0.90	89.80		MADE GROUND: Brown mottled grey slightly gravelly CLAY. Gravel is subangular fine of mudstone lithorelicts. (COHESIVE MADE GROUND)	1
		2.00 2.00 - 2.45 2.00 - 3.00	D B	N=4 (2,2/2,1,1,0)				MADE GROUND: Grey very gravelly CLAY. Gravel is subangular fine to coarse of mudstone and occasional siltstone. Likely with medium cobble content in-situ. (COHESIVE OPENCAST BACKFILL)	2
		3.00 3.00 - 3.45	D	N=7 (2,2/3,1,1,2)					3
		4.00 4.00 - 4.45 4.00 - 5.45	D D	N=7 (2,1/2,1,2,2)					4
		5.00 5.00 - 6.00	B	N=9 (4,2/1,2,3,3)					5
		6.50 6.50 - 6.95	D	N=38 (2,2/6,10,10,12)	7.00	83.70		Grey MUDSTONE. (COAL MEASURES)	7
		8.00 8.00 - 8.13	D	50 (25,/50 for 285mm)	8.20	82.50		End of borehole at 8.20 m	8
									9
									10

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431669.64 - 407700.53

Hole Type
CP

Location: South Yorkshire

Level: 91.65

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.70	B		0.30	91.35		<p>MADE GROUND: Brown slightly gravelly CLAY. Gravel is angular tabular fine of mudstone lithorelicts. (MADE GROUND TOPSOIL)</p> <p>MADE GROUND: Brown mottled grey slightly gravelly CLAY. Gravel is subangular fine of mudstone and mudstone lithorelicts. (COHESIVE MADE GROUND)</p> <p>MADE GROUND: Grey very gravelly CLAY. Gravel is subangular fine to coarse of mudstone and occasional siltstone. Likely with medium cobble content in-situ. (COHESIVE OPENCAST BACKFILL)</p> <p>Grey MUDSTONE. (COAL MEASURES) End of borehole at 6.30 m</p>
		1.00		N=12 (5,5/3,3,3,3)	0.70	90.95		
		1.00 - 1.45	D					
		2.00		N=10 (2,2/2,2,3,3)				
		2.00 - 2.45	D					
		2.00 - 3.00	B					
		3.00		N=10 (1,2/3,3,2,2)				
		3.00 - 3.45	D					
		4.00		N=10 (1,1/2,2,3,3)				
		4.00 - 4.45	D					
	4.00 - 5.00	B						
	5.00		N=25 (2,2/3,4,7,11)					
	5.00 - 5.45	D						
	6.10		50 (25 for 75mm/50 for 225mm)	6.00	85.65			
	6.25		50 (25 for 75mm/50 for 225mm)	6.30	85.35			

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not encountered during drilling. 3. On encountering bedrock the borehole was advanced by chiselling. 4. Exploratory hole surveyed in (level and co-ordinates) on completion.

Appendix H
Rotary Cored Borehole Logs

Rotary Core Log

Borehole No.

RC001

Sheet 1 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431380.09 - 407803.67

Hole Type
RC

Location: South Yorkshire

Level: 98.45

Scale
1:50

Client: Strata Homes

Dates: 22/11/2021 - 22/11/2021

Logged By
GLM

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
										MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)	1
											2
											3
											4
											5
											6
											7
											8
							9.00	89.45			9
		9.00 - 10.50	3	96	67	27				Moderately weak dark grey fossiliferous MUDSTONE. Discontinuities are extremely to very closely spaced horizontal and subvertical planar smooth closed with grey clay on surfaces. (COAL MEASURES - MUDSTONE)	
							9.80	88.65		9.70m Horizontal open fracture with 20mm of firm grey clay	
											10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.



Rotary Core Log

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431380.09 - 407803.67

Hole Type
RC

Location: South Yorkshire

Level: 98.45

Scale
1:50

Client: Strata Homes

Dates: 22/11/2021 - 22/11/2021

Logged By
GLM

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description
				TCR	SCR	RQD				
		10.50 - 12.00	8				11.30	87.15		fill. Strong grey very closely interlaminated SILTSTONE and fine grained SANDSTONE. Discontinuities are closely to medium spaced horizontal and vertical planar occasionally undulating rough closed clean. (COAL MEASURES - SILTSTONE) 9.80m to 9.90m Extremely closely spaced fractures. Recovered as clayey subangular fine to medium gravel. 10.40m 15mm band of extremely closely spaced fractures.
			4	95	58	30				11.80
		12.00 - 13.50	13	95	41	25	13.10	85.35		
			20	99	81	69				14.00
		13.50 - 15.00					15.00	83.45		

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.

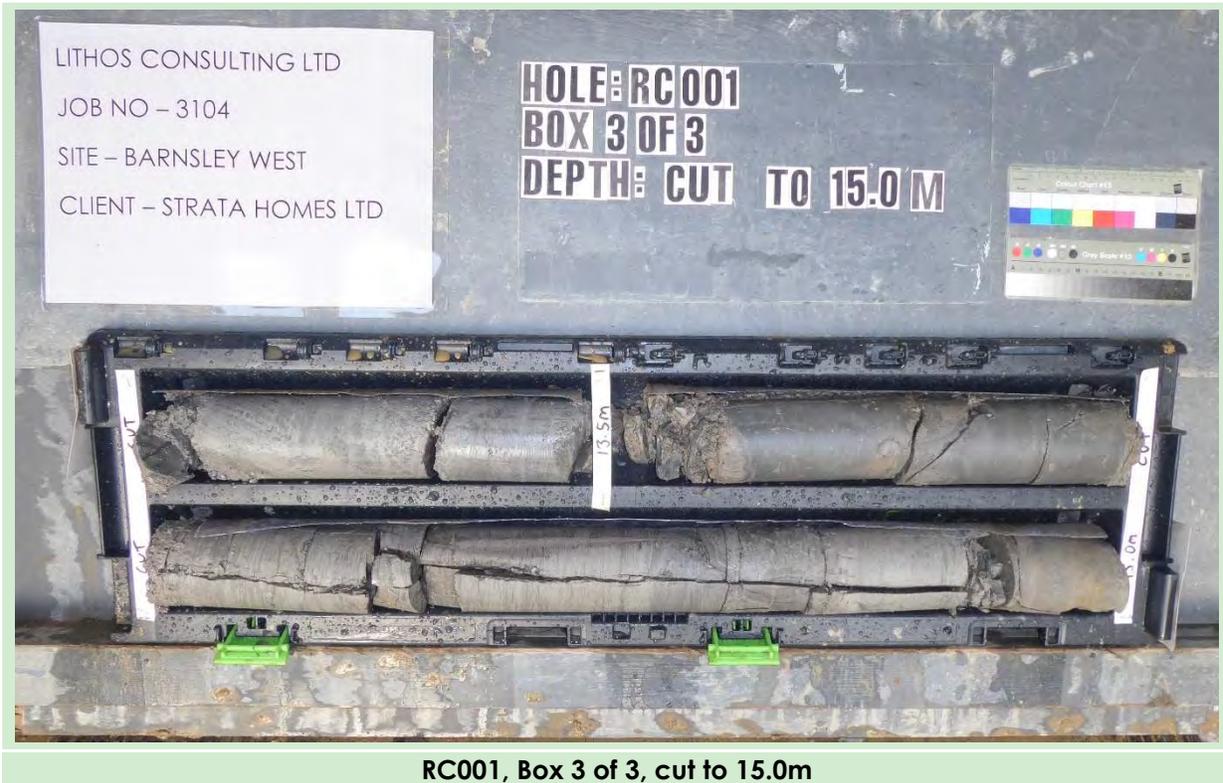




RC001, Box 1 of 3, 9.0m to cut



RC001, Box 2 of 3, cut to cut



Rotary Core Log

Borehole No.

RC002

Sheet 1 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431493.49 - 407914.30

Hole Type
RC

Location: South Yorkshire

Level: 89.75

Scale
1:50

Client: Strata Homes

Dates: 25/11/2021 - 25/11/2021

Logged By
GLM

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
										MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)	1
											2
											3
											4
											5
											6
											7
							7.50	82.25			
							7.80	81.95			
		7.50 - 9.00	0							Recovered as: Greyish brown slightly clayey subangular medium GRAVEL of mudstone and siltstone. (COAL MEASURES - SILTSTONE)	8
			6	94	50	8				7.70m to 7.90m Extremely closely spaced fractures with weakening of surrounding rock mass.	
										Moderately weak dark grey thickly laminated fossiliferous MUDSTONE. Discontinuities are very closely spaced horizontal and subvertical planar and stepped smooth closed predominantly clean occasionally with grey clay on surfaces. (COAL MEASURES - MUDSTONE)	9
		9.00 - 10.50	0							8.10m Horizontal fracture with 10mm of grey clay fill.	
				87	72	7				8.40m to 8.45m Extremely closely spaced fractures.	
										Recovered as slightly clayey angular fine to medium gravel.	
										9.00m to 9.35m Recovered as very clayey subangular fine to	10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.



Rotary Core Log

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431493.49 - 407914.30

Hole Type
RC

Location: South Yorkshire

Level: 89.75

Scale
1:50

Client: Strata Homes

Dates: 25/11/2021 - 25/11/2021

Logged By
GLM

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description
				TCR	SCR	RQD				
			6				11.00	78.75		medium gravel.
		10.50 - 12.00		91	60	20	11.20	78.55		10.50m to 10.70m Recovered as subangular fine to coarse gravel, likely due to disturbance during drilling.
			0							Strong grey fine grained SANDSTONE. (COAL MEASURES - SANDSTONE)
										Medium strong grey thickly laminated SILTSTONE with very closely spaced mudstone laminations. Discontinuities are closely spaced horizontal and vertical; planar rough closed clean. (COAL MEASURES - SILTSTONE)
		12.00 - 13.50	8	99	53	33				11.30m horizontal open fracture with 35mm of clayey gravel fill. 12.00m to 12.10m Recovered as subangular medium gravel likely due to disturbance during drilling. 12.20m Extremely closely spaced fractures and weakening of surrounding rock mass.
							13.50	76.25		13.10m to 13.30m extremely closely spaced fractures with up to 3mm of grey clay fill.
										End of borehole at 13.50 m

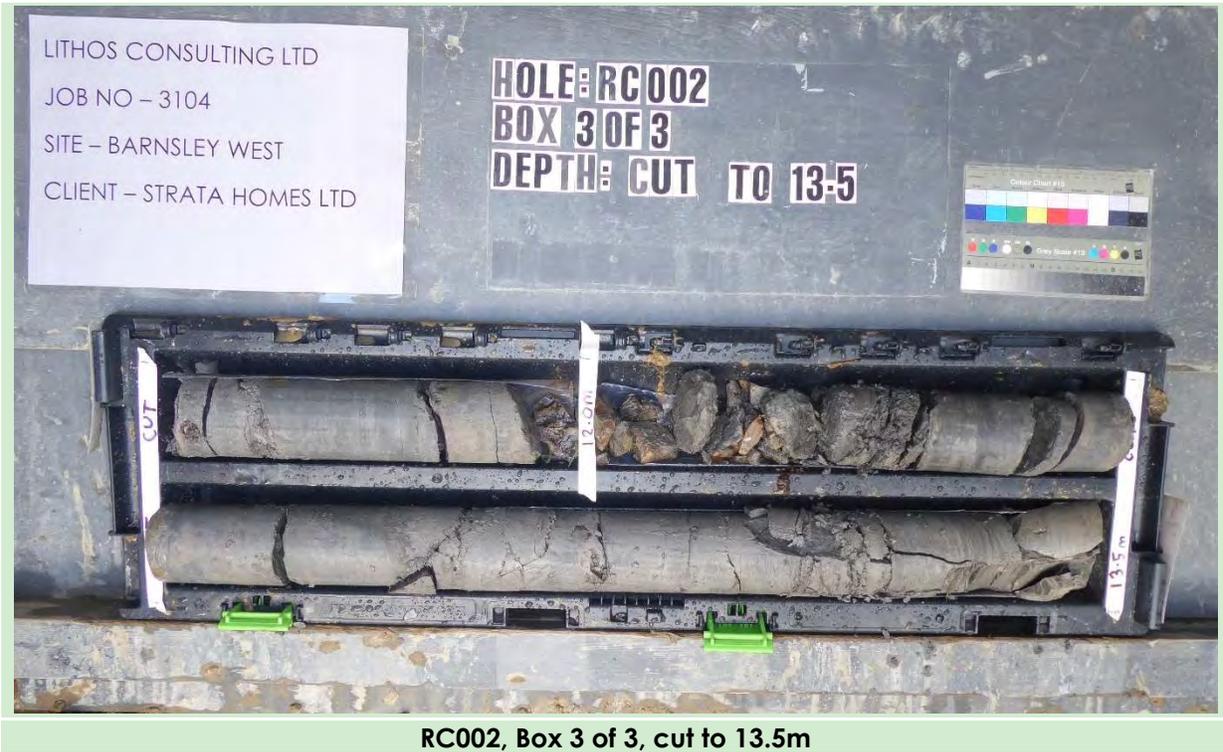
Remarks
1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.



RC002, Box 1 of 3, 7.5m to cut



RC002, Box 2 of 3, cut to cut



Rotary Core Log

Borehole No.

RC003

Sheet 1 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431464.43 - 407770.49

Hole Type
RC

Location: South Yorkshire

Level: 96.35

Scale
1:50

Client: Strata Homes

Dates: 23/11/2021 - 23/11/2021

Logged By
GLM

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
										MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)	1
											2
											3
											4
											5
											6
											7
											8
							9.00	87.35			9
		9.00 - 10.50	38	99	88	82				Very strong light grey fine grained SANDSTONE. Discontinuities are medium to widely spaced horizontal undulating rough closed with orangish brown staining on surfaces. (COAL MEASURES - SANDSTONE) <i>9.00m to 9.20m clayey gravel likely introduced during drilling</i>	10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.



Rotary Core Log

Borehole No.

RC003

Sheet 2 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431464.43 - 407770.49

Hole Type
RC

Location: South Yorkshire

Level: 96.35

Scale
1:50

Client: Strata Homes

Dates: 23/11/2021 - 23/11/2021

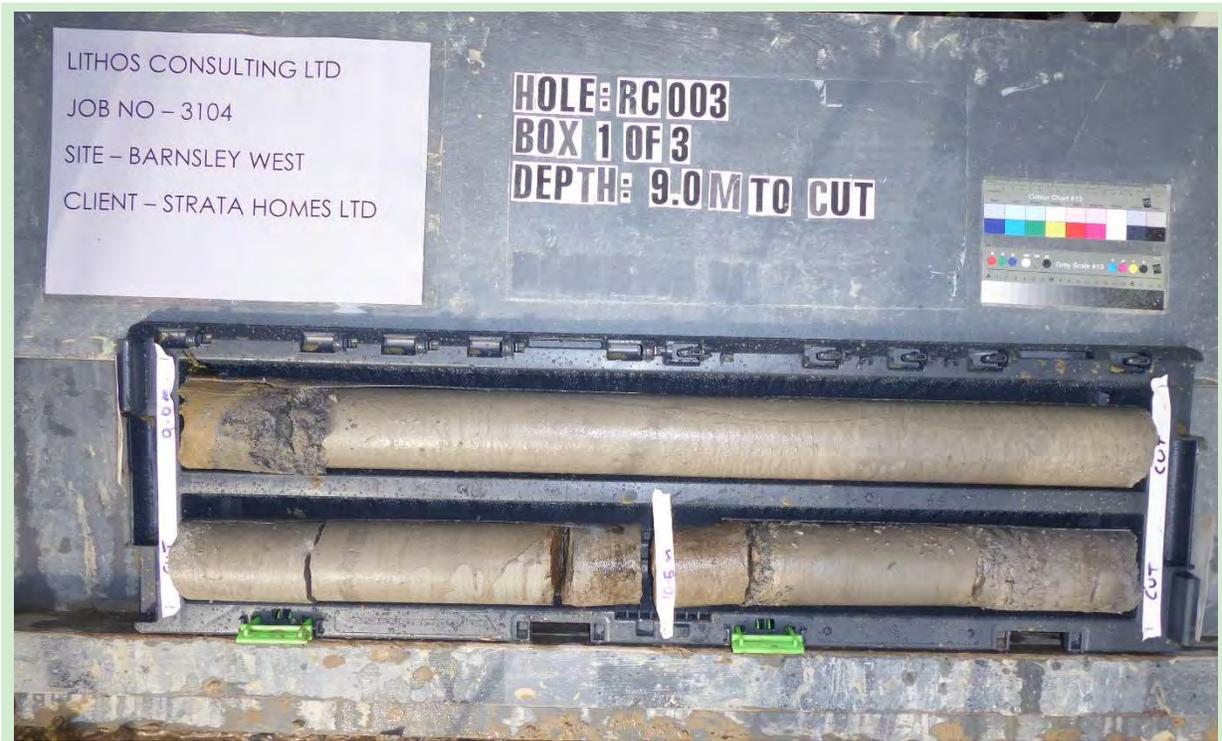
Logged By
GLM

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description		
				TCR	SCR	RQD						
[Dotted pattern]		10.50 - 12.00	1				10.90	85.45	[Dotted pattern]	<i>and not an in-situ material.</i>		
										[Dotted pattern]	<i>10.60m Horizontal open fracture with 8mm of grey sandy clay fill.</i>	
		12.00 - 13.50	5	94	46	43	11.25	85.10	[Horizontal lines]	Weak dark grey MUDSTONE. Discontinuities are extremely closely spaced planar smooth closed clean. (COAL MEASURES - MUDSTONE)	11	
										[Horizontal lines]	Moderately weak dark grey thinly laminated MUDSTONE with very closely spaced siltstone laminations. Discontinuities are extremely closely to closely spaced planar smooth occasionally rough closed with grey clay on surfaces. (COAL MEASURES - MUDSTONE)	12
										[Horizontal lines]	<i>11.60m to 11.85m extremely closely spaced fractures and weakening of surrounding rock mass which degrades to clay with effort when handled. Partly recovered as angular fine gravel.</i>	13
13.50 - 15.00	9	97	59	34				<i>12.25m to 12.40m extremely to very closely spaced fractures and weakening of surrounding rock mass.</i>	13			
		100	92	78	14.70	81.65	[Horizontal lines]	<i>13.10m to 13.25m extremely closely spaced open fractures with grey gravelly clay fill.</i>	14			
					15.00	81.35	[Dotted pattern]	Strong grey thickly cross laminated fine grained SANDSTONE with very closely spaced siltstone and mudstone cross laminations. Discontinuities are subhorizontal planar rough closed with dark grey staining on surfaces. (COAL MEASURES - SANDSTONE) End of borehole at 15.00 m	15			

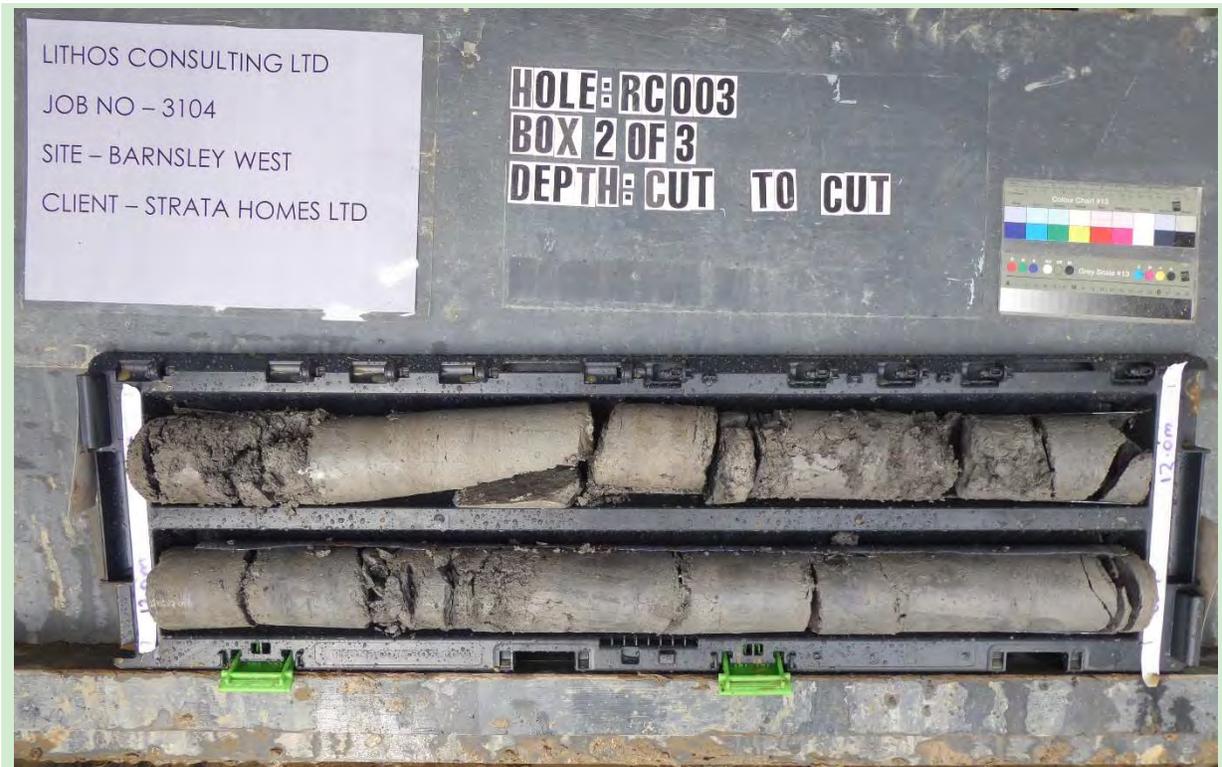
Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.

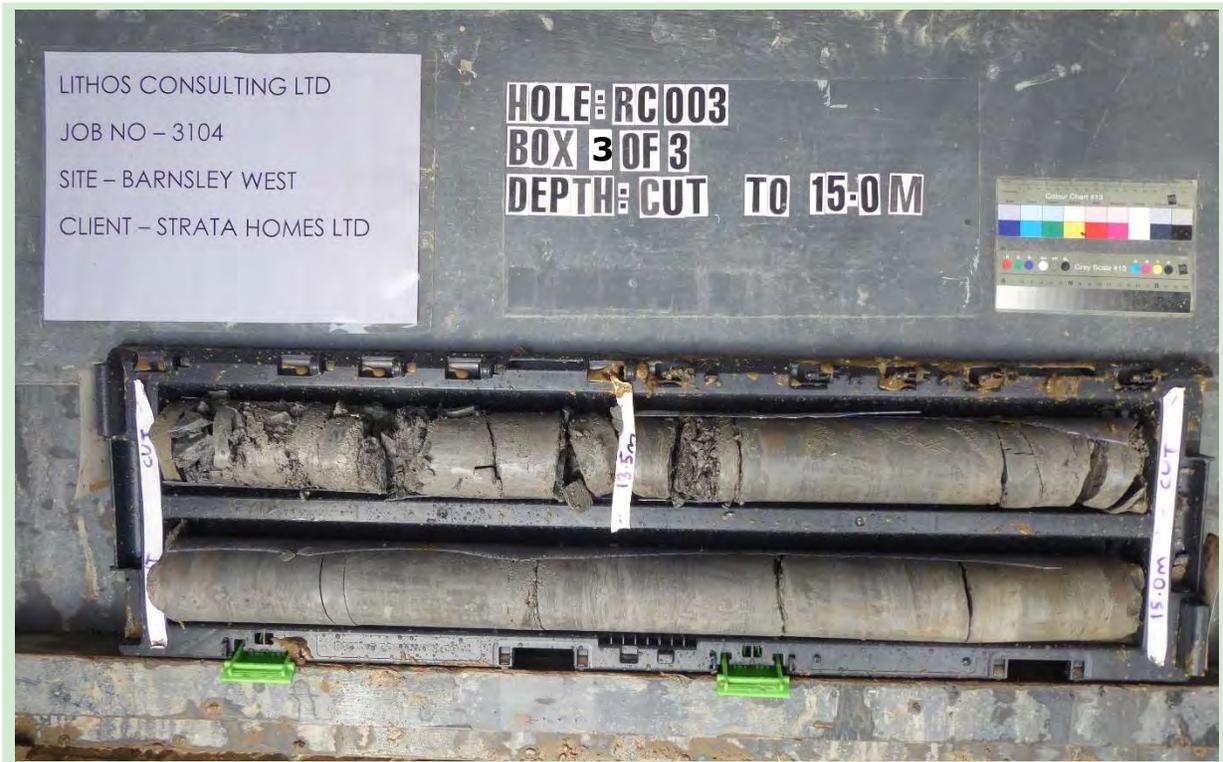




RC003, Box 1 of 3, 9.0m to cut



RC003, Box 2 of 3, cut to cut



RC00, Box 3 of 3, cut to 15.0m

Rotary Core Log

Borehole No.

RC004

Sheet 1 of 12

Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431381.38 - 407686.18

 Hole Type
RC

Location: South Yorkshire

Level: 104.05

 Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

 Logged By
GLM

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
										MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)	1
											2
											3
											4
											5
											6
											7
											8
											9
											10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.

Rotary Core Log

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431381.38 - 407686.18

Hole Type
RC

Location: South Yorkshire

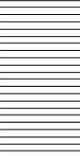
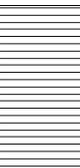
Level: 104.05

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

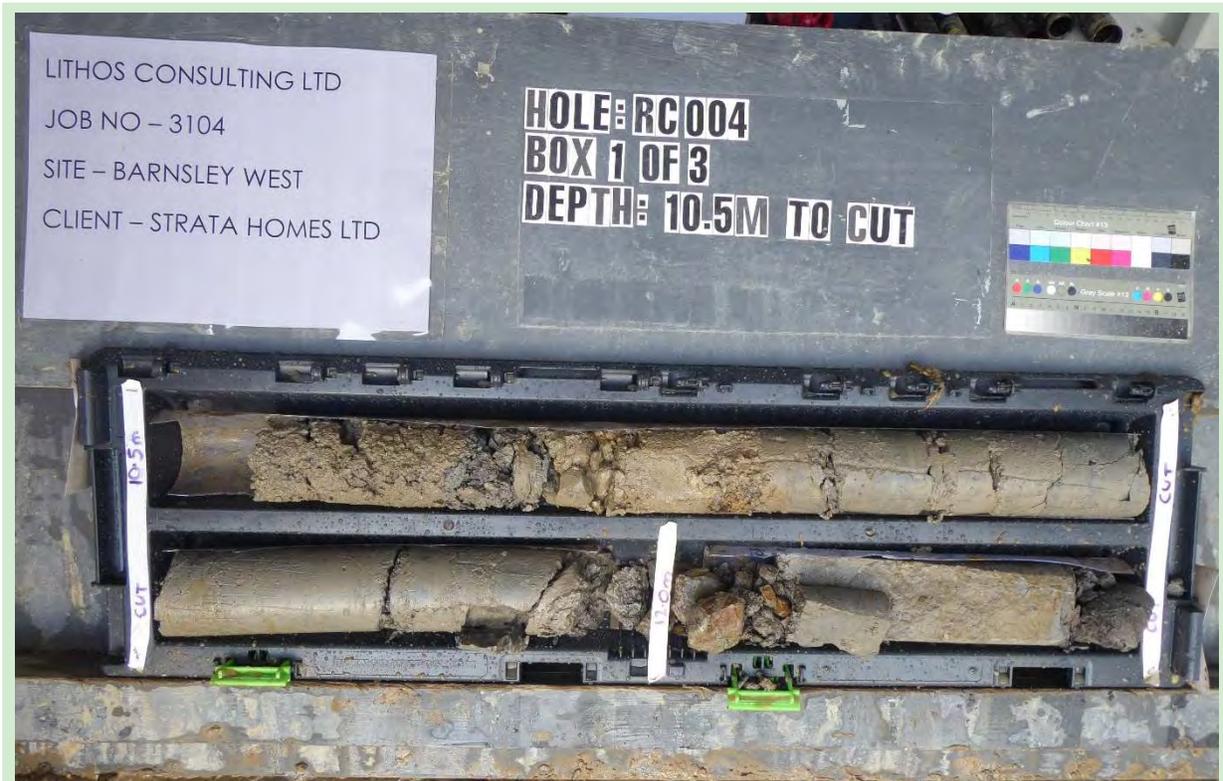
Logged By
GLM

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description
				TCR	SCR	RQD				
							10.50	93.55		Recovered as: Grey very clayey subangular fine GRAVEL of mudstone. (COAL MEASURES - MUDSTONE)
			0				10.85	93.20		Moderately weak dark grey MUDSTONE with closely spaced thin laminations of siltstone. Discontinuities are very closely spaced subhorizontal and subvertical planar predominantly closed, occasionally open with up to 4mm of grey clay fill. (COAL MEASURES - MUDSTONE)
		10.50 - 12.00	5	87	39	21				11
							12.10	91.95		12
		12.00 - 13.50	40	97	80	76				13
										14
		13.50 - 15.00	45	101	99	85				15
							15.35	88.70		16
		15.00 - 16.50	5	89	67	41				16
							16.50	87.55		17
										17
										18
										19
										20
										Continued on next sheet

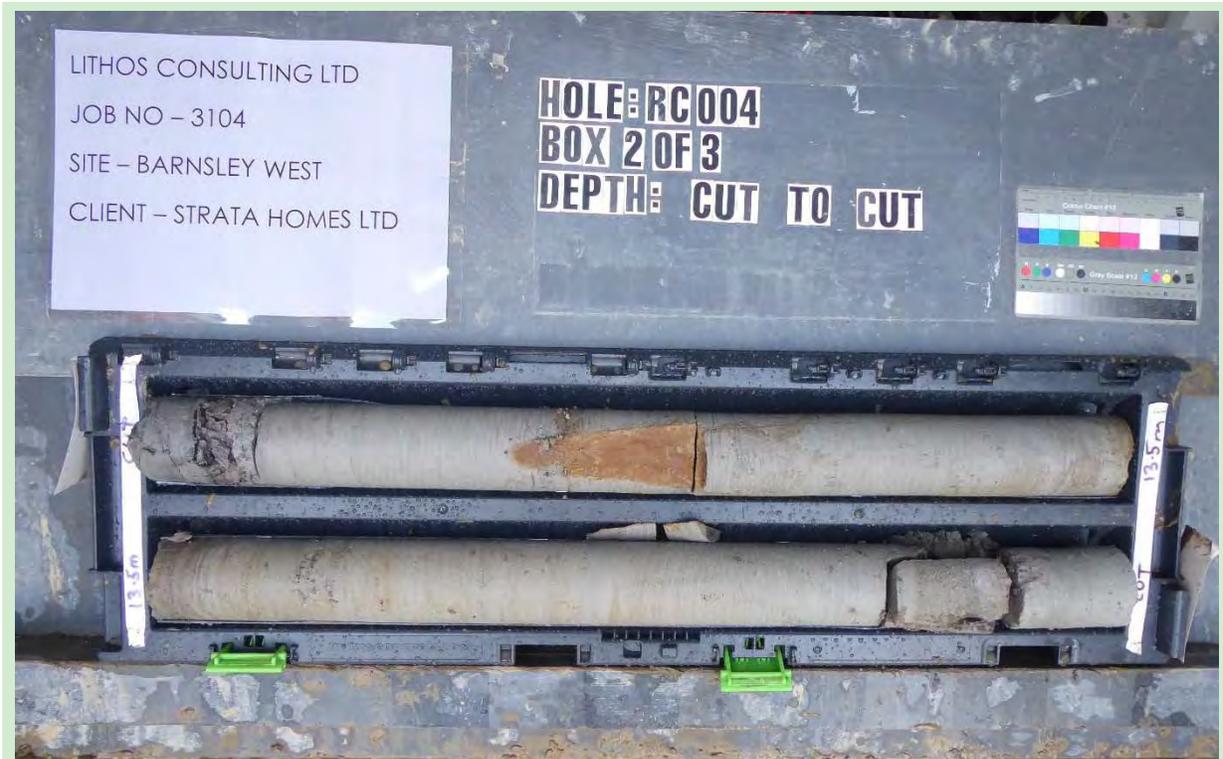
Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.





RC004, Box 1 of 3, 10.5m to cut



RC004, Box 2 of 3, cut to cut



RC004, Box 3 of 3, cut to 16.5m

Rotary Core Log

Borehole No.

RC005

Sheet 1 of 2

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431460.77 - 407665.19	Hole Type RC
Location: South Yorkshire		Level: 102.15	Scale 1:50
Client: Strata Homes		Dates: 01/12/2021 - 01/12/2021	Logged By GLM

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
										MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)	1
							7.50	94.65			2
		7.50 - 9.00	2	94	78	43	8.25	93.90		Moderately weak grey thickly cross laminated SILTSTONE with very closely spaced cross laminations of mudstone. Discontinuities are extremely closely to very closely spaced horizontal and subvertical planar smooth closed clean. (COAL MEASURES - SILTSTONE)	8
		9.00 - 10.50	11	95	85	72				8.15m to 8.20m Extremely closely spaced fractures with weakening of surrounding rock mass. Partly recovered as clayey subangular fine gravel. Strong to very strong grey thickly laminated fine grained SANDSTONE. Discontinuities are closely to medium spaced horizontal and subvertical undulating rough closed with orangish brown staining on surfaces and penetrating up to 40mm. (COAL MEASURES - SANDSTONE)	9
										Continued on next sheet	10

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.



Rotary Core Log

Borehole No.

RC005

Sheet 2 of 2

Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431460.77 - 407665.19

 Hole Type
RC

Location: South Yorkshire

Level: 102.15

 Scale
1:50

Client: Strata Homes

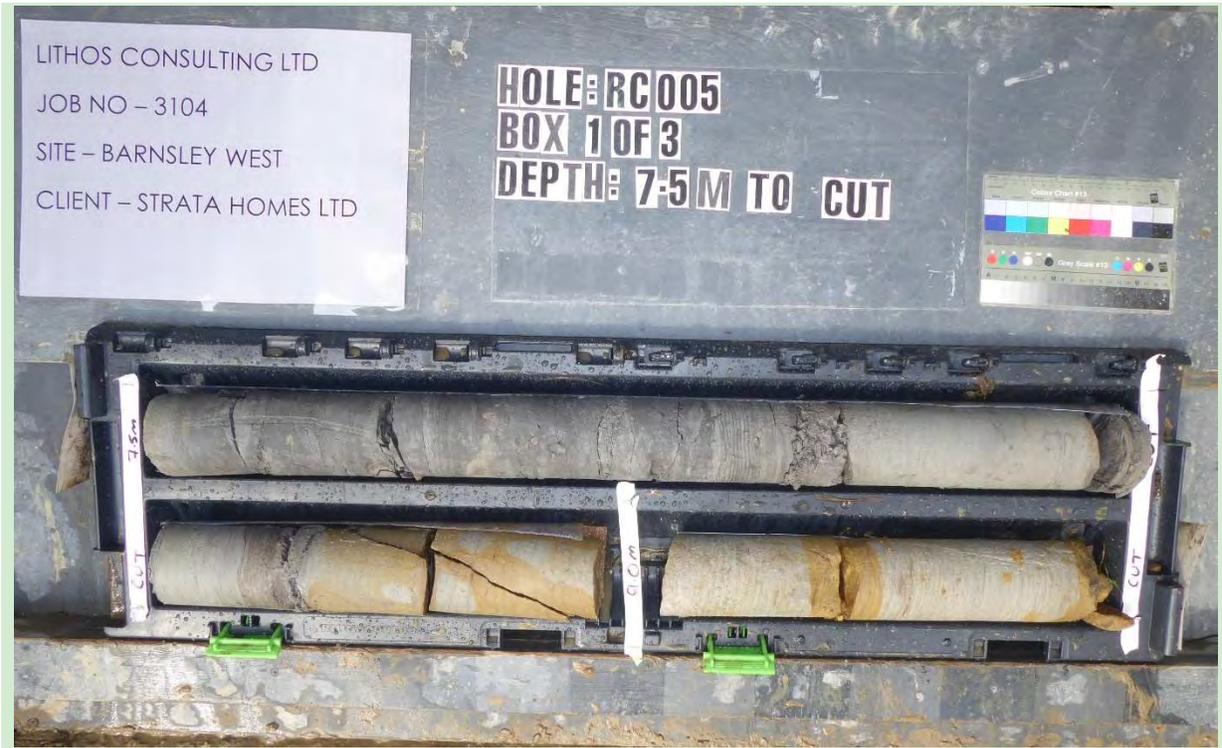
Dates: 01/12/2021 - 01/12/2021

 Logged By
GLM

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description
				TCR	SCR	RQD				
[Dotted pattern]		10.50 - 12.00	30	97	62	50	11.50	90.65	[Dotted pattern]	8.60m Horizontal open fracture with 10mm of grey sand clay fill.
		12.00 - 13.50	5	93	57	10	13.50	88.65	[Horizontal lines]	10.90m to 11.20m Subvertical fracture with brown ferrous staining and residue on surface.
										[Horizontal lines]

Remarks

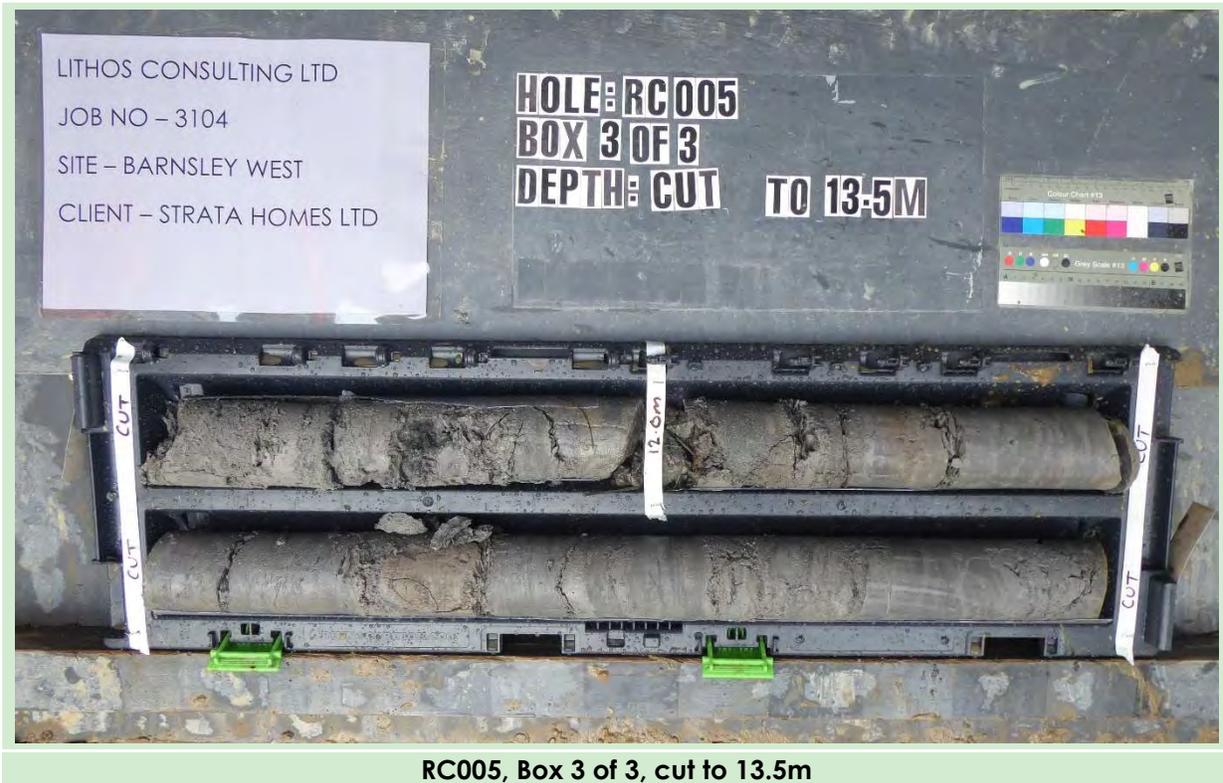
1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.



RC005, Box 1 of 3, 7.5m to cut



RC005, Box 2 of 3, cut to cut



Rotary Core Log

Borehole No.

RC006

Sheet 1 of 2

Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431444.15 - 407599.19

 Hole Type
RC

Location: South Yorkshire

Level: 106.25

 Scale
1:50

Client: Strata Homes

Dates: 02/12/2021 - 02/12/2021

 Logged By
GLM

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
										MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)	1
											2
											3
											4
											5
											6
											7
											8
											9
											10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.

Rotary Core Log

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431444.15 - 407599.19

Hole Type
RC

Location: South Yorkshire

Level: 106.25

Scale
1:50

Client: Strata Homes

Dates: 02/12/2021 - 02/12/2021

Logged By
GLM

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							10.50	95.75			
		10.50 - 12.00	0	92	33	11				Weak dark grey thinly laminated MUDSTONE. Discontinuities are extremely to very closely spaced subhorizontal and subvertical stepped smooth closed with grey clay on surfaces. (COAL MEASURES - MUDSTONE)	11
			5				11.60	94.65		10.50m to 10.70m clayey subangular fine to medium gravel introduced during drilling; not an in-situ material. 11.10m to 11.40m Recovered as subangular fine to medium gravel.	
		12.00 - 13.50		93	81	35	12.20	94.05		Strong light grey thinly cross laminated fine grained SANDSTONE. Discontinuities are closely spaced horizontal and vertical planar rough closed with dark grey staining on surfaces. (COAL MEASURES - SANDSTONE)	12
			15							Medium strong dark grey fossiliferous MUDSTONE with very closely spaced siltstone cross laminations. Discontinuities are closely to medium spaced horizontal subhorizontal and vertical planar occasionally undulating rough closed clean. (COAL MEASURES - MUDSTONE)	13
		13.50 - 15.00		95	83	54				12.20m to 12.25m Subvertical open fractures with clayey angular gravel fill. 12.80m subhorizontal fracture with weakening of surrounding rock mass.	14
			12							15.15m horizontal open fracture with 8mm of grey sandy clay fill.	15
		15.00 - 16.50		97	79	65				15.90m to 16.20m extremely closely spaced fractures and weakening of surrounding rock mass. From 16.10m with extremely closely spaced thick siltstone laminations.	16
							16.50	89.75		End of borehole at 16.50 m	17
											18
											19
											20

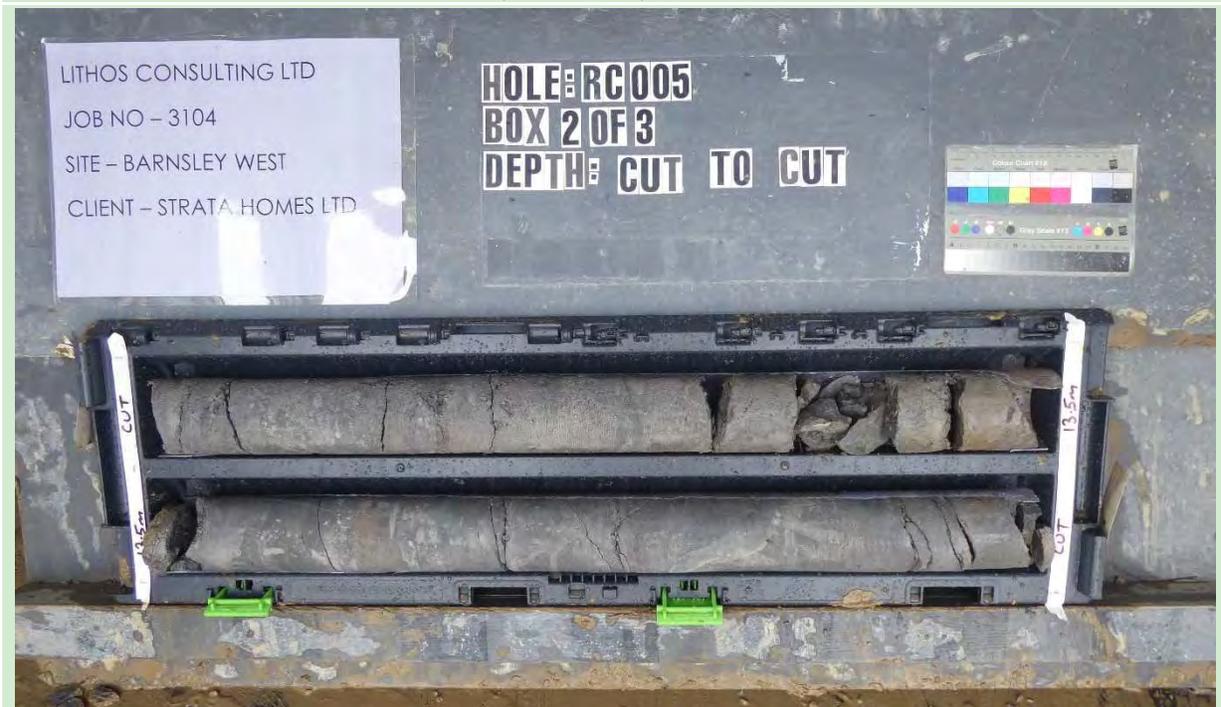
Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.





RC005, Box 1 of 3, 10.5m to cut



RC005, Box 2 of 3, cut to cut



RC005, Box 3 of 3, cut to 16.5m

Rotary Core Log

Borehole No.

RC201

Sheet 1 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431546.88 - 407843.49

Hole Type
RC

Location: South Yorkshire

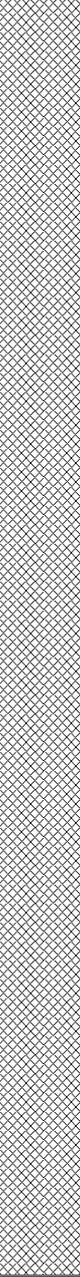
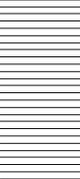
Level: 90.00

Scale
1:50

Client: Strata Homes

Dates: 22/11/2021 - 22/11/2021

Logged By
GLM

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
										MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)	1
											2
											3
											4
											5
											6
											7
											8
		8.50 - 10.00	1	40	0	0	8.50	81.50		Medium strong dark grey MUDSTONE. Discontinuities are very closely spaced subhorizontal and subvertical planar smooth closed clean. Partly recovered as subangular medium gravel. (COAL MEASURES - MUDSTONE)	9
							9.70	80.30		Black dull ashy COAL with closely spaced thick	10
							10.00	80.00			

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.



Rotary Core Log

Borehole No.

RC201

Sheet 2 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431546.88 - 407843.49

Hole Type
RC

Location: South Yorkshire

Level: 90.00

Scale
1:50

Client: Strata Homes

Dates: 22/11/2021 - 22/11/2021

Logged By
GLM

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description
				TCR	SCR	RQD				
*		10.00 - 11.50	0	103	64	36	13.95	76.05		laminations of weak dark grey mudstone. (THIN COAL) 9.70 to 9.80m Extremely closely spaced fractures with weakening of surrounding rock mass. Moderately weak dark grey fossiliferous MUDSTONE with closely spaced siltstone laminations and cross laminations. Discontinuities are very closely to closely spaced subhorizontal and subvertical planar occasionally stepped smooth closed clean. (COAL MEASURES - MUDSTONE) 10.00m to 10.40m Recovered as subangular fine to coarse gravel of siltstone. Likely due to disturbance during drilling. 11.00m band of greyish brown ironstone nodules.
		11.50 - 13.00	8	97	53	8				12.50m to 12.55m extremely closely spaced fractures and weakening of surrounding rock mass.
		13.00 - 14.50	24	99	85	59				13.00m thin bed of dark grey calcareous mudstone. 13.50m subhorizontal open fracture with 12mm grey sandy clay fill. 13.70m subhorizontal open fracture with 15mm grey clay fill.
		14.50 - 16.00	10	93	71	40				Strong grey thinly cross laminated fine grained SANDSTONE. Discontinuities are medium spaced horizontal and subvertical planar smooth closed with grey clay on surfaces. (COAL MEASURES - SANDSTONE) Medium strong dark grey SILTSTONE with very closely spaced cross laminations of fine grained sandstone. Discontinuities are closely spaced horizontal and subvertical planar rough predominantly closed and clean occasionally open with up to 10mm grey sandy clay fill. (COAL MEASURES - SILTSTONE) 14.85m Subhorizontal open fracture with 15mm of grey clay fill.
										16.00

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and coordinates) on completion.





RC201, Box 1 of 4, 8,5m to cut



RC201, Box 2 of 4, cut to 13.0m



RC201, Box 3 of 4, 13.0m to cut



RC201, Box 4 of 4, cut to 16.0m

Rotary Core Log

Borehole No.

RC202

Sheet 1 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431652.70 - 407838.88

Hole Type
RC

Location: South Yorkshire

Level: 86.10

Scale
1:50

Client: Strata Homes

Dates: 23/11/2021 - 23/11/2021

Logged By
GLM

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
										MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)	1
							7.50	78.60			2
							7.75	78.35			3
		7.50 - 9.00	0	94	55	21				Recovered as angular to subangular fine to coarse GRAVEL of mudstone and siltstone. (COAL MEASURES - MUDSTONE)	4
										Moderately weak grey fossiliferous MUDSTONE. Discontinuities are very closely spaced horizontal and subvertical undulating smooth closed clean. (COAL MEASURES - MUDSTONE)	5
			4							8.40m to 8.50m Extremely weak. Degrades to clay with moderate ease when handled.	6
		9.00 - 10.50		95	47	9				8.90m to 9.00m Extremely weak. Degrades to clay with effort when handled.	7
											8
											9
											10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.



Rotary Core Log

Borehole No.

RC202

Sheet 2 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431652.70 - 407838.88

Hole Type
RC

Location: South Yorkshire

Level: 86.10

Scale
1:50

Client: Strata Homes

Dates: 23/11/2021 - 23/11/2021

Logged By
GLM

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description
				TCR	SCR	RQD				
+							10.80	75.30		10.30m to 10.50m Very closely spaced fractures. Recovered as clayey subangular fine to medium gravel.
		10.50 - 12.00	0	24	0	0				Minimal core returned. Recovered as: Grey subangular medium to coarse GRAVEL of mudstone and siltstone. (COAL MEASURES - MUDSTONE)
		12.00 - 13.50		30	18	0	13.00	73.10		11.50m to 11.60m band of very gravelly grey clay.
			1							Strong grey fine grained SANDSTONE with closely spaced siltstone laminations. Discontinuities are closely to medium spaced horizontal and subvertical planar rough closed clean. (COAL MEASURES - SANDSTONE)
		13.50 - 15.00	30	101	95	90				
		15.00 - 16.50	2	87	23	0	15.65	70.45		15.00m to 15.30m with very closely spaced fractures. Recovered as angular fine to medium gravel.
						16.50	69.60		Medium strong grey thinly cross laminated SILTSTONE. Discontinuities are extremely closely spaced horizontal and subvertical planar rough closed predominantly clean occasional with dark grey staining on surfaces. (COAL MEASURES - SILTSTONE)	
									16.40m to 16.50m Extremely weak. Partly recovered as grey gravelly clay.	
									End of borehole at 16.50 m	

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.





RC202, Box 1 of 4, 7.5m to cut



RC202, Box 2 of 4, cut to 13.5m



RC202, Box 3 of 4, 13.5m to cut



RC202, Box 4 of 4, cut to 16.5m

Rotary Core Log

Borehole No.

RC203

Sheet 1 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431552.34 - 407785.86

Hole Type
RC

Location: South Yorkshire

Level: 92.20

Scale
1:50

Client: Strata Homes

Dates: 24/11/2021 - 24/11/2021

Logged By
GLM

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
										MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)	1
											2
											3
											4
											5
											6
											7
											8
							9.00	83.20			9
			0				9.20	83.00			
		9.00 - 10.50	10	96	77	59				Recovered as: Grey and brown slightly clayey angular to subangular fine to medium GRAVEL of siltstone and mudstone. (COAL MEASURES - MUDSTONE) Strong grey fine grained SANDSTONE with very closely spaced siltstone cross laminations.	10

Continued on next sheet

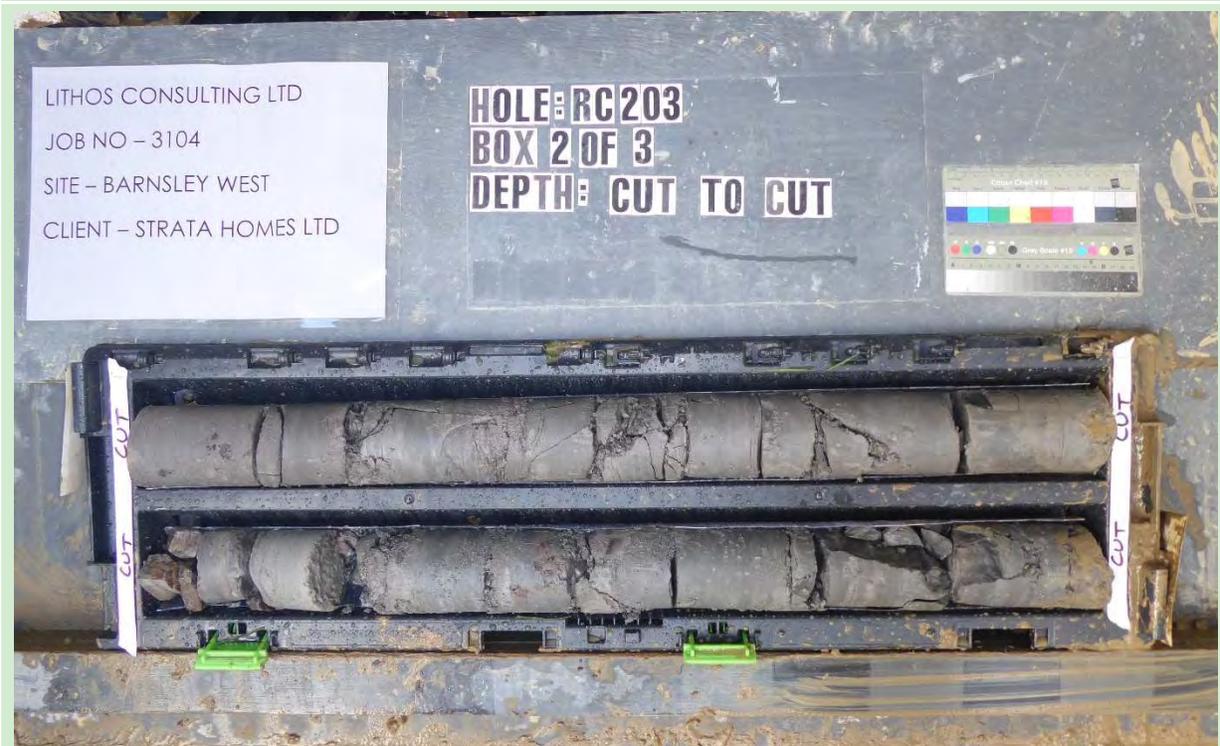
Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.





RC203, Box 1 of 3, 9.0m to cut



RC203, Box 2 of 3, cut to cut



RC203, Box 3 of 3, cut to 15.0m

Rotary Core Log

Borehole No.

RC204

Sheet 1 of 2

Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431702.00 - 407713.18

 Hole Type
RC

Location: South Yorkshire

Level: 89.75

 Scale
1:50

Client: Strata Homes

Dates: 26/11/2021 - 26/11/2021

 Logged By
GLM

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description
				TCR	SCR	RQD				
										MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)
							7.50	82.25		
			0				7.80	81.95		
		7.50 - 9.00		90	61	47				Recovered as: Grey very clayey slightly sandy angular to subangular fine to coarse GRAVEL of mudstone and siltstone. (COAL MEASURES - MUDSTONE)
			27							Strong grey thinly cross laminated fine grained SANDSTONE. Discontinuities are closely to medium spaced horizontal and subhorizontal planar occasionally stepped rough closed with dark grey staining on surfaces. (COAL MEASURES - SANDSTONE)
		9.00 - 10.50		99	84	83				7.80m to 7.95m rock is very weak and degrades to silt clay with little effort when handled. 9.0m brownish grey gravelly CLAY within core likely due to drilling and not an in-situ material.
										9.85m to 9.95m bed of medium strong brownish grey

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.

Rotary Core Log

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431702.00 - 407713.18

Hole Type
RC

Location: South Yorkshire

Level: 89.75

Scale
1:50

Client: Strata Homes

Dates: 26/11/2021 - 26/11/2021

Logged By
GLM

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description
				TCR	SCR	RQD				
Dotted		10.50 - 12.00	1	92	41	41	11.15	78.60	Dotted	MUDSTONE with very closely spaced horizontal and vertical planar smooth closed clean fractures with brown staining on surfaces.
				2	94	80	77	12.00	77.75	Horizontal lines
		12.00 - 13.50	34	12.20				77.55	Vertical lines	11.60m to 12.00m partly recovered as angular to subangular medium gravel due to closely spaced fractures and disturbance when drilling.
				13.50	76.25	Dotted	Dull black ashy COAL. Discontinuities are very closely spaced subhorizontal and subvertical orthogonally arranged stepped closed predominantly clean occasionally with yellow stain or grey clay on surfaces. (THIN COAL)			
									Strong grey thinly cross laminated fine grained SANDSTONE. Discontinuities are closely to medium spaced subhorizontal planar rough closed clean. (COAL MEASURES - SANDSTONE)	
End of borehole at 13.50 m										

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion.





RC204, Box 1 of 3, 7.5m to cut



RC204, Box 2 of 3, cut to cut



Appendix I
Rotary Probehole Logs

Borehole Log

Borehole No.

PH001

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431319.03 - 407438.85

Hole Type
PH

Location: South Yorkshire

Level: 121.25

Scale
1:50

Client: Strata Homes

Dates: 17/11/2021 - 17/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					3.10	118.15	 Brown CLAY. (COHESIVE RESIDUAL SOIL)	1	
							 Grey MUDSTONE. (COAL MEASURES)	3	
								4	
								5	
								6	
								7	
								8	
								9	
								10	

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH001

Sheet 2 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431319.03 - 407438.85	Hole Type PH
Location: South Yorkshire		Level: 121.25	Scale 1:50
Client: Strata Homes		Dates: 17/11/2021 - 17/11/2021	Logged By WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					11.60	109.65		Black COAL. (SWALLOW WOOD COAL)	11
					12.70	108.55		Grey MUDSTONE. (COAL MEASURES)	12
									13
									14
									15
									16
									17
									18
									19
									20

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH001

Sheet 3 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431319.03 - 407438.85

Hole Type
PH

Location: South Yorkshire

Level: 121.25

Scale
1:50

Client: Strata Homes

Dates: 17/11/2021 - 17/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					28.30	92.95		21 22 23 24 25 26 27 28
					29.00	92.25		29 30

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH001

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431319.03 - 407438.85

Hole Type
PH

Location: South Yorkshire

Level: 121.25

Scale
1:50

Client: Strata Homes

Dates: 17/11/2021 - 17/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					32.00	89.25			31
								End of borehole at 32.00 m	32
									33
									34
									35
									36
									37
									38
									39
									40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH002

Sheet 1 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431360.96 - 407433.84

Hole Type
PH

Location: South Yorkshire

Level: 119.35

Scale
1:50

Client: Strata Homes

Dates: 16/11/2021 - 16/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					2.80	116.55		Brown CLAY. (COHESIVE RESIDUAL SOIL)	1
								Brown and grey MUDSTONE. (COAL MEASURES)	3
									5
									6
									7
									8
									9
									10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH002

Sheet 2 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431360.96 - 407433.84

Hole Type
PH

Location: South Yorkshire

Level: 119.35

Scale
1:50

Client: Strata Homes

Dates: 16/11/2021 - 16/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					12.30	107.05		Black COAL. (SWALLOW WOOD COAL)
					13.30	106.05		Grey MUDSTONE. (COAL MEASURES)

11
12
13
14
15
16
17
18
19
20

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH003

Sheet 1 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431307.70 - 407496.03

Hole Type
PH

Location: South Yorkshire

Level: 118.65

Scale
1:50

Client: Strata Homes

Dates: 16/11/2021 - 16/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Brown CLAY. (COHESIVE RESIDUAL SOIL)		1
					2.00	116.65	Black COAL. (THIN COAL)		2
					2.40	116.25	Brown and grey MUDSTONE. (COAL MEASURES)		3
									4
									5
									6
									7
									8
									9
									10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH003

Sheet 2 of 3

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431307.70 - 407496.03	Hole Type PH
Location: South Yorkshire		Level: 118.65	Scale 1:50
Client: Strata Homes		Dates: 16/11/2021 - 16/11/2021	Logged By WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					14.20	104.45		Black COAL. (SWALLOW WOOD COAL)
					15.10	103.55		Grey MUDSTONE. (COAL MEASURES)

11
12
13
14
15
16
17
18
19
20

Continued on next sheet

Remarks
1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH003

Sheet 3 of 3

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431307.70 - 407496.03	Hole Type PH
Location: South Yorkshire		Level: 118.65	Scale 1:50
Client: Strata Homes		Dates: 16/11/2021 - 16/11/2021	Logged By WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					24.10	94.55		Black COAL. (TOP HAIGH COAL)	21
					24.60	94.05			
									24
									25
									26
									27
									28
									29
					30.00	88.65			30

End of borehole at 30.00 m

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH004

Sheet 1 of 4

Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431375.13 - 407475.43

 Hole Type
PH

Location: South Yorkshire

Level: 116.35

 Scale
1:50

Client: Strata Homes

Dates: 16/11/2021 - 16/11/2021

 Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					2.70	113.65		Brown CLAY. (COHESIVE RESIDUAL SOIL)	1
								Brown SANDSTONE (COAL MEASURES)	3
					6.10	110.25		Brown and grey MUDSTONE. (COAL MEASURES)	6
									10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.

Borehole Log

Borehole No.

PH004

Sheet 3 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431375.13 - 407475.43	Hole Type PH
Location: South Yorkshire		Level: 116.35	Scale 1:50
Client: Strata Homes		Dates: 16/11/2021 - 16/11/2021	Logged By WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					26.90	89.45		Black COAL. (TOP HAIGH COAL)	21
					27.50	88.85			
									24
									25
									26
									27
									28
									29
									30

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.

Borehole Log

Borehole No.

PH004

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431375.13 - 407475.43

Hole Type
PH

Location: South Yorkshire

Level: 116.35

Scale
1:50

Client: Strata Homes

Dates: 16/11/2021 - 16/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					30.50	85.85	----- End of borehole at 30.50 m	31 32 33 34 35 36 37 38 39 40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH005

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431249.04 - 407556.40

Hole Type
PH

Location: South Yorkshire

Level: 117.75

Scale
1:50

Client: Strata Homes

Dates: 17/11/2021 - 18/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Brown CLAY. (COHESIVE RESIDUAL SOIL)	1
					2.50	115.25		Grey MUDSTONE. (COAL MEASURES)	2
					3.60	114.15		Black COAL. (THIN COAL)	3
					4.10	113.65		Brown SANDSTONE (COAL MEASURES)	4
					5.00	112.75		Grey MUDSTONE. (COAL MEASURES)	5
									6
									7
									8
									9
									10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH005

Sheet 2 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431249.04 - 407556.40

Hole Type
PH

Location: South Yorkshire

Level: 117.75

Scale
1:50

Client: Strata Homes

Dates: 17/11/2021 - 18/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					17.20	100.55		Black COAL. (SWALLOW WOOD COAL)
					18.20	99.55		Grey MUDSTONE. (COAL MEASURES)

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Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH005

Sheet 3 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431249.04 - 407556.40	Hole Type PH
Location: South Yorkshire		Level: 117.75	Scale 1:50
Client: Strata Homes		Dates: 17/11/2021 - 18/11/2021	Logged By WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								21
								22
								23
								24
								25
								26
								27
								28
								29
								30

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH005

Sheet 4 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431249.04 - 407556.40	Hole Type PH
Location: South Yorkshire		Level: 117.75	Scale 1:50
Client: Strata Homes		Dates: 17/11/2021 - 18/11/2021	Logged By WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					30.20	87.55		Black COAL. (TOP HAIGH COAL)	
					30.70	87.05		Grey MUDSTONE. (COAL MEASURES)	31
									32
									33
					33.70	84.05		End of borehole at 33.70 m	34
									35
									36
									37
									38
									39
									40

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH006

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431281.69 - 407573.47

Hole Type
PH

Location: South Yorkshire

Level: 115.50

Scale
1:50

Client: Strata Homes

Dates: 17/11/2021 - 17/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					2.10	113.40		Brown CLAY. (COHESIVE RESIDUAL SOIL)	1
					3.30	112.20		Brown SANDSTONE (COAL MEASURES)	2
					3.80	111.70		Black COAL. (THIN COAL)	3
					5.10	110.40		Brown SANDSTONE (COAL MEASURES)	4
							Grey MUDSTONE. (COAL MEASURES)	5	
								6	
								7	
								8	
								9	
								10	

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH006

Sheet 2 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431281.69 - 407573.47

Hole Type
PH

Location: South Yorkshire

Level: 115.50

Scale
1:50

Client: Strata Homes

Dates: 17/11/2021 - 17/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					16.40	99.10		Black COAL. (SWALLOW WOOD COAL)
					17.40	98.10		Grey MUDSTONE. (COAL MEASURES)
	▼							Groundwater ingress from 19.5m.

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Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH006

Sheet 3 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431281.69 - 407573.47	Hole Type PH
Location: South Yorkshire		Level: 115.50	Scale 1:50
Client: Strata Homes		Dates: 17/11/2021 - 17/11/2021	Logged By WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					28.80	86.70		Black COAL. (TOP HAIGH COAL)
					29.20	86.30		Grey MUDSTONE. (COAL MEASURES)
								Continued on next sheet

21
22
23
24
25
26
27
28
29
30

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH006

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431281.69 - 407573.47

Hole Type
PH

Location: South Yorkshire

Level: 115.50

Scale
1:50

Client: Strata Homes

Dates: 17/11/2021 - 17/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
[Pattern]								31 32 33 34 35 36 37 38 39 40
					33.00	82.50	[Pattern]	End of borehole at 33.00 m

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH007

Sheet 1 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431322.39 - 407522.87	Hole Type PH
Location: South Yorkshire		Level: 116.55	Scale 1:50
Client: Strata Homes		Dates: 17/11/2021 - 17/11/2021	Logged By WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Brown CLAY. (COHESIVE RESIDUAL SOIL)	1	
					2.90	113.65			2
					3.00	113.55		Grey MUDSTONE. (COAL MEASURES)	3
					3.25	113.30		Black COAL. (THIN COAL)	3
							Grey MUDSTONE. (COAL MEASURES)	4	
								5	
								6	
								7	
								8	
								9	
								10	

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH007

Sheet 2 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431322.39 - 407522.87	Hole Type PH
Location: South Yorkshire		Level: 116.55	Scale 1:50
Client: Strata Homes		Dates: 17/11/2021 - 17/11/2021	Logged By WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								11	
					15.40	101.15		Black COAL. (SWALLOW WOOD COAL)	15
					16.50	100.05		Grey MUDSTONE. (COAL MEASURES)	16
									17
									18
									19
									20

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH007

Sheet 3 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431322.39 - 407522.87

Hole Type
PH

Location: South Yorkshire

Level: 116.55

Scale
1:50

Client: Strata Homes

Dates: 17/11/2021 - 17/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					29.70	86.85		Black COAL.	

21
22
23
24
25
26
27
28
29
30

Continued on next sheet

Remarks
1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH007

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431322.39 - 407522.87

Hole Type
PH

Location: South Yorkshire

Level: 116.55

Scale
1:50

Client: Strata Homes

Dates: 17/11/2021 - 17/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					30.20	86.35		(TOP HAIGH COAL)
								Grey MUDSTONE. (COAL MEASURES)
					33.20	83.35		End of borehole at 33.20 m

31
32
33
34
35
36
37
38
39
40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH008

Sheet 1 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431388.31 - 407550.90

Hole Type
PH

Location: South Yorkshire

Level: 111.70

Scale
1:50

Client: Strata Homes

Dates: 29/11/2021 - 29/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)		
								1	
								2	
								3	
								4	
								5	
								6	
								7	
								8	
								9	
								10	

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH008

Sheet 3 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431388.31 - 407550.90

Hole Type
PH

Location: South Yorkshire

Level: 111.70

Scale
1:50

Client: Strata Homes

Dates: 29/11/2021 - 29/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
Well								
					25.50	86.20		Black COAL. (TOP HAIGH COAL)
					26.30	85.40		Grey MUDSTONE. (COAL MEASURES)
					30.00	81.70		End of borehole at 30.00 m

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH009

Sheet 1 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431260.59 - 407628.93

Hole Type
PH

Location: South Yorkshire

Level: 112.70

Scale
1:50

Client: Strata Homes

Dates: 19/11/2021 - 19/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.70	111.00		Brown CLAY. (COHESIVE RESIDUAL SOIL)	1
					2.10	110.60		Black COAL. (THIN COAL)	2
								Grey MUDSTONE. (COAL MEASURES)	3
					3.50	109.20		Brown SANDSTONE (COAL MEASURES)	4
				6.00	106.70		Grey MUDSTONE. (COAL MEASURES)	6	
									7
									8
									9
									10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH009

Sheet 2 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431260.59 - 407628.93

Hole Type
PH

Location: South Yorkshire

Level: 112.70

Scale
1:50

Client: Strata Homes

Dates: 19/11/2021 - 19/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					13.80	98.90		
					14.40	98.30		

11
12
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14
15
16
17
18
19
20

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH009

Sheet 3 of 3

Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431260.59 - 407628.93

 Hole Type
PH

Location: South Yorkshire

Level: 112.70

 Scale
1:50

Client: Strata Homes

Dates: 19/11/2021 - 19/11/2021

 Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
Well								21
								22
								24
				24.40	88.30		Black COAL. (TOP HAIGH COAL)	25
				25.20	87.50		Grey MUDSTONE. (COAL MEASURES)	26
								27
								28
				28.20	84.50		End of borehole at 28.20 m	29
								30

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.

Borehole Log

Borehole No.

PH010

Sheet 1 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: -

Hole Type
PH

Location: South Yorkshire

Level:

Scale
1:50

Client: Strata Homes

Dates: 18/11/2021 - 18/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.30			Brown CLAY. (COHESIVE RESIDUAL SOIL)	1
					1.55			Black COAL. (THIN COAL)	
								Grey MUDSTONE. (COAL MEASURES)	2
					3.00			Brown SANDSTONE (COAL MEASURES)	3
									4
									5
					5.90			Grey MUDSTONE. (COAL MEASURES)	6
									7
									8
									9
									10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH010

Sheet 2 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: -

Hole Type
PH

Location: South Yorkshire

Level:

Scale
1:50

Client: Strata Homes

Dates: 18/11/2021 - 18/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					12.40			
					12.80		Black COAL. (SWALLOW WOOD COAL)	
							Grey MUDSTONE. (COAL MEASURES)	

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH010

Sheet 3 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: -

Hole Type
PH

Location: South Yorkshire

Level:

Scale
1:50

Client: Strata Homes

Dates: 18/11/2021 - 18/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
Well								
					25.60			Black COAL. (TOP HAIGH COAL)
					26.30			Grey MUDSTONE. (COAL MEASURES)
				30.00			End of borehole at 30.00 m	

21
22
23
24
25
26
27
28
29
30

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH011

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431325.08 - 407604.27

Hole Type
PH

Location: South Yorkshire

Level: 111.70

Scale
1:50

Client: Strata Homes

Dates: 19/11/2021 - 19/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					3.60 3.70	108.10 108.00		Brown CLAY. (COHESIVE RESIDUAL SOIL)	1 2 3
								Black COAL. (SWALLOW WOOD COAL) Grey MUDSTONE. (COAL MEASURES)	4 5 6 7 8 9 10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH011

Sheet 2 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431325.08 - 407604.27

Hole Type
PH

Location: South Yorkshire

Level: 111.70

Scale
1:50

Client: Strata Homes

Dates: 19/11/2021 - 19/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					15.10	96.60		Black COAL. (TOP HAIGH COAL)
					16.20	95.50		Grey MUDSTONE. (COAL MEASURES)

11
12
13
14
15
16
17
18
19
20

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH011

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431325.08 - 407604.27

Hole Type
PH

Location: South Yorkshire

Level: 111.70

Scale
1:50

Client: Strata Homes

Dates: 19/11/2021 - 19/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
[Hatched Pattern]					33.00	78.70	[Horizontal Lines]	End of borehole at 33.00 m
								31
								32
								33
								34
								35
								36
								37
								38
								39
								40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH012

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431362.90 - 407592.65

Hole Type
PH

Location: South Yorkshire

Level: 110.55

Scale
1:50

Client: Strata Homes

Dates: 19/11/2021 - 19/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)		
								1	
								2	
								3	
								4	
								5	
								6	
								7	
								8	
								9	
								10	

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH012

Sheet 3 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431362.90 - 407592.65

Hole Type
PH

Location: South Yorkshire

Level: 110.55

Scale
1:50

Client: Strata Homes

Dates: 19/11/2021 - 19/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					27.00	83.55		21
					28.00	82.55		
								24
								25
								26
								27
								28
								29
								30

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH012

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431362.90 - 407592.65

Hole Type
PH

Location: South Yorkshire

Level: 110.55

Scale
1:50

Client: Strata Homes

Dates: 19/11/2021 - 19/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
[Pattern]								
					33.00	77.55	End of borehole at 33.00 m	

31
32
33
34
35
36
37
38
39
40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH013

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431404.26 - 407901.99

Hole Type
PH

Location: South Yorkshire

Level: 94.30

Scale
1:50

Client: Strata Homes

Dates: 24/11/2021 - 24/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Brown CLAY. (COHESIVE RESIDUAL SOIL)		1
					3.80	90.50		Grey MUDSTONE. (COAL MEASURES)	2
									3
									4
									5
									6
									7
									8
					9.40	84.90		Black COAL. (SWALLOW WOOD COAL)	9
									10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH013

Sheet 3 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431404.26 - 407901.99

Hole Type
PH

Location: South Yorkshire

Level: 94.30

Scale
1:50

Client: Strata Homes

Dates: 24/11/2021 - 24/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								21
								22
								23
					24.10	70.20		Black COAL. (TOP HAIGH COAL)
				24.60	69.70		Grey MUDSTONE. (COAL MEASURES)	25
								26
								27
				28.30	66.00		Black COAL. (LOW HAIGH COAL)	28
				28.90	65.40		Grey MUDSTONE. (COAL MEASURES)	29
								30

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH013

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431404.26 - 407901.99

Hole Type
PH

Location: South Yorkshire

Level: 94.30

Scale
1:50

Client: Strata Homes

Dates: 24/11/2021 - 24/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
[Pattern]					33.00	61.30	[Pattern]	End of borehole at 33.00 m
								31
								32
								33
								34
								35
								36
								37
								38
								39
								40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH014

Sheet 1 of 3

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: -	Hole Type PH
Location: South Yorkshire	Level:		Scale 1:50
Client: Strata Homes	Dates: 24/11/2021 - 24/11/2021		Logged By WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)		1
									2
									3
									4
									5
									6
									7
					7.40		Grey MUDSTONE. (COAL MEASURES)		8
									9
									10

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.

Borehole Log

Borehole No.

PH014

Sheet 2 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: -

Hole Type
PH

Location: South Yorkshire

Level:

Scale
1:50

Client: Strata Homes

Dates: 24/11/2021 - 24/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								11 12 13 14 15 16 17 18 19 20

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH014

Sheet 3 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: -

Hole Type
PH

Location: South Yorkshire

Level:

Scale
1:50

Client: Strata Homes

Dates: 24/11/2021 - 24/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					22.50			
					23.00			
								Grey MUDSTONE. (COAL MEASURES)
					30.00			End of borehole at 30.00 m

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using water flush. 4. 100% of flush returned throughout drilling.

Borehole Log

Borehole No.

PH015

Sheet 2 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431380.06 - 407828.51

Hole Type
PH

Location: South Yorkshire

Level: 97.50

Scale
1:50

Client: Strata Homes

Dates: 25/11/2021 - 25/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								11 12 13 14 15 16 17 18 19 20
	▼						Groundwater ingress from 16.0m.	

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH015

Sheet 3 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431380.06 - 407828.51

Hole Type
PH

Location: South Yorkshire

Level: 97.50

Scale
1:50

Client: Strata Homes

Dates: 25/11/2021 - 25/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
									21
					22.30	75.20		Black COAL. (TOP HAIGH COAL)	22
					22.90	74.60		Grey MUDSTONE. (COAL MEASURES)	23
					30.00	67.50		End of borehole at 30.00 m	30

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH016

Sheet 1 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431366.86 - 407867.86

Hole Type
PH

Location: South Yorkshire

Level: 96.70

Scale
1:50

Client: Strata Homes

Dates: 25/11/2021 - 25/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					4.40	92.30		Brown CLAY. (COHESIVE RESIDUAL SOIL)	1
									2
									3
									4
									5
								Grey MUDSTONE. (COAL MEASURES)	6
									7
					8.50	88.20		Black COAL. (SWALLOW WOOD COAL)	8
									9
					9.20	87.50		Grey MUDSTONE. (COAL MEASURES)	10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH016

Sheet 2 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431366.86 - 407867.86

Hole Type
PH

Location: South Yorkshire

Level: 96.70

Scale
1:50

Client: Strata Homes

Dates: 25/11/2021 - 25/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH016

Sheet 3 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431366.86 - 407867.86

Hole Type
PH

Location: South Yorkshire

Level: 96.70

Scale
1:50

Client: Strata Homes

Dates: 25/11/2021 - 25/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					21.00	75.70		Black COAL. (TOP HAIGH COAL)	21
					21.70	75.00		Grey MUDSTONE. (COAL MEASURES)	22
									23
									24
									25
									26
									27
									28
									29
					30.00	66.70		End of borehole at 30.00 m	30

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH017

Sheet 1 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431421.18 - 407863.26

Hole Type
PH

Location: South Yorkshire

Level: 94.80

Scale
1:50

Client: Strata Homes

Dates: 25/11/2021 - 25/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)	1
									2
									3
									4
									5
									6
									7
									8
					8.80	86.00		Grey MUDSTONE. (COAL MEASURES)	9
									10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH017

Sheet 2 of 3

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431421.18 - 407863.26	Hole Type PH
Location: South Yorkshire		Level: 94.80	Scale 1:50
Client: Strata Homes		Dates: 25/11/2021 - 25/11/2021	Logged By WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
	▼							11 12 13 14 15 16 17 18 19 20
							Groundwater ingress from 12.0m	

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH017

Sheet 3 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431421.18 - 407863.26

Hole Type
PH

Location: South Yorkshire

Level: 94.80

Scale
1:50

Client: Strata Homes

Dates: 25/11/2021 - 25/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
									21
					21.90	72.90		Black COAL. (TOP HAIGH COAL)	22
					22.75	72.05		Grey MUDSTONE. (COAL MEASURES)	23
									24
									25
									26
									27
									28
									29
					30.00	64.80		End of borehole at 30.00 m	30

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH018

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431420.38 - 407802.01

Hole Type
PH

Location: South Yorkshire

Level: 96.85

Scale
1:50

Client: Strata Homes

Dates: 29/11/2021 - 29/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)	1
									2
									3
									4
									5
									6
					7.20	89.65		Grey MUDSTONE. (COAL MEASURES)	7
									8
									9
									10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH018

Sheet 2 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431420.38 - 407802.01

Hole Type
PH

Location: South Yorkshire

Level: 96.85

Scale
1:50

Client: Strata Homes

Dates: 29/11/2021 - 29/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH018

Sheet 3 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431420.38 - 407802.01	Hole Type PH
Location: South Yorkshire		Level: 96.85	Scale 1:50
Client: Strata Homes		Dates: 29/11/2021 - 29/11/2021	Logged By WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					20.60	76.25		Black COAL. (TOP HAIGH COAL)	21
					21.40	75.45		Grey MUDSTONE. (COAL MEASURES)	22
									23
									24
					28.10	68.75		Black COAL. (LOW HAIGH COAL)	28
					28.90	67.95		Grey MUDSTONE. (COAL MEASURES)	29
									30

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH018

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431420.38 - 407802.01

Hole Type
PH

Location: South Yorkshire

Level: 96.85

Scale
1:50

Client: Strata Homes

Dates: 29/11/2021 - 29/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
[Pattern]								
					33.00	63.85	[Pattern]	End of borehole at 33.00 m
								31
								32
								33
								34
								35
								36
								37
								38
								39
								40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH019

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431439.24 - 407838.75

Hole Type
PH

Location: South Yorkshire

Level: 94.80

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)		1 2 3 4 5 6 7 8 9 10
					7.10	87.70	Grey MUDSTONE. (COAL MEASURES)		

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH019

Sheet 2 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431439.24 - 407838.75

Hole Type
PH

Location: South Yorkshire

Level: 94.80

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								11 12 13 14 15 16 17 18 19 20
	▼						Groundwater ingress from 15.0m.	

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH019

Sheet 3 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431439.24 - 407838.75

Hole Type
PH

Location: South Yorkshire

Level: 94.80

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					20.80	74.00		Black COAL. (TOP HAIGH COAL)	21
					21.60	73.20		Grey MUDSTONE. (COAL MEASURES)	22
									23
									24
					28.20	66.60		Black COAL. (LOW HAIGH COAL)	28
					29.00	65.80		Grey MUDSTONE. (COAL MEASURES)	29
									30

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH019

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431439.24 - 407838.75

Hole Type
PH

Location: South Yorkshire

Level: 94.80

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
[Hatched Pattern]								
					33.00	61.80	End of borehole at 33.00 m	

31
32
33
34
35
36
37
38
39
40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH020

Sheet 1 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431489.63 - 407900.22

Hole Type
PH

Location: South Yorkshire

Level: 90.50

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)		
								1	
								2	
								3	
								4	
								5	
								6	
								7	
	▼						Groundwater ingress from 7.5m.		
				8.00	82.50		Grey MUDSTONE. (COAL MEASURES)	8	
								9	
								10	

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH020

Sheet 2 of 2

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431489.63 - 407900.22

Hole Type
PH

Location: South Yorkshire

Level: 90.50

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					15.00	75.50		

11
12
13
14
15
16
17
18
19
20

End of borehole at 15.00 m

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH021

Sheet 1 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431501.92 - 407912.93

Hole Type
PH

Location: South Yorkshire

Level: 89.40

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)	1
									2
									3
									4
									5
									6
									7
					7.90	81.50			8
								Grey MUDSTONE. (COAL MEASURES)	9
									10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH021

Sheet 2 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431501.92 - 407912.93

Hole Type
PH

Location: South Yorkshire

Level: 89.40

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Groundwater ingress from 10.0.		
								11	
								12	
								13	
								14	
								15	
								16	
								17	
								18	
								19	
								20	

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH021

Sheet 3 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431501.92 - 407912.93

Hole Type
PH

Location: South Yorkshire

Level: 89.40

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					22.10	67.30		Black COAL. (TOP HAIGH COAL)
					23.00	66.40		Grey MUDSTONE. (COAL MEASURES)
					30.00	59.40		End of borehole at 30.00 m

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.





Borehole Log

Borehole No.

PH022

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431489.18 - 407844.08

Hole Type
PH

Location: South Yorkshire

Level: 92.50

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)		1
									2
									3
									4
									5
									6
									7
									8
					9.00	83.50		Grey MUDSTONE. (COAL MEASURES)	9
									10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH022

Sheet 2 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431489.18 - 407844.08	Hole Type PH
Location: South Yorkshire		Level: 92.50	Scale 1:50
Client: Strata Homes		Dates: 30/11/2021 - 30/11/2021	Logged By WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								11 12 13 14 15 16 17 18 19 20
	▼						Groundwater ingress from 13.5m.	

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH022

Sheet 3 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431489.18 - 407844.08

Hole Type
PH

Location: South Yorkshire

Level: 92.50

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					20.15	72.35		Black COAL. (TOP HAIGH COAL)
					21.00	71.50		Grey MUDSTONE. (COAL MEASURES)
					27.90	64.60		Black COAL. (LOW HAIGH COAL)
					28.50	64.00		Grey MUDSTONE. (COAL MEASURES)
								Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH022

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431489.18 - 407844.08

Hole Type
PH

Location: South Yorkshire

Level: 92.50

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
[Pattern]								
					33.00	59.50	End of borehole at 33.00 m	

31
32
33
34
35
36
37
38
39
40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH023

Sheet 1 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431497.78 - 407800.27	Hole Type PH
Location: South Yorkshire		Level: 93.80	Scale 1:50
Client: Strata Homes		Dates: 30/11/2021 - 30/11/2021	Logged By WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								MADE GROUND: Brown and grey gravelly CLAY. (OPENCAST BACKFILL)	1
									2
									3
									4
									5
					5.90 6.00	87.90 87.80		Black COAL. (SWALLOW WOOD COAL) Grey MUDSTONE. (COAL MEASURES)	6
									7
									8
									9
									10

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH023

Sheet 2 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431497.78 - 407800.27

Hole Type
PH

Location: South Yorkshire

Level: 93.80

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH023

Sheet 3 of 4

Project Name: Barnsley West (LT1)

 Project No.
3104

Co-ords: 431497.78 - 407800.27

 Hole Type
PH

Location: South Yorkshire

Level: 93.80

 Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

 Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					21.30	72.50		Black COAL. (TOP HAIGH COAL)	21
					22.30	71.50		Grey MUDSTONE. (COAL MEASURES)	22
									23
									24
									25
									26
									27
					28.00	65.80		Black COAL. (LOW HAIGH COAL)	28
					28.70	65.10		Grey MUDSTONE. (COAL MEASURES)	29
									30

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.

Borehole Log

Borehole No.

PH023

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431497.78 - 407800.27

Hole Type
PH

Location: South Yorkshire

Level: 93.80

Scale
1:50

Client: Strata Homes

Dates: 30/11/2021 - 30/11/2021

Logged By
WN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
[Hatched Pattern]								31 32 33 34 35 36 37 38 39 40
					33.00	60.80	[Horizontal Lines]	End of borehole at 33.00 m

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH024

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431496.74 - 407771.54

Hole Type
PH

Location: South Yorkshire

Level: 95.05

Scale
1:50

Client: Strata Homes

Dates: 03/12/2021 - 03/12/2021

Logged By
CC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
Well							Brown CLAY. (COHESIVE RESIDUAL SOIL)		1 2 3 4
					4.90	90.15	Black COAL. (SWALLOW WOOD COAL)		5
					5.50	89.55	Light grey SILTSTONE. (COAL MEASURES)		6 7 8 9
				10.00	85.05		Continued on next sheet		10

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH024

Sheet 2 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431496.74 - 407771.54	Hole Type PH
Location: South Yorkshire		Level: 95.05	Scale 1:50
Client: Strata Homes		Dates: 03/12/2021 - 03/12/2021	Logged By CC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Light grey MUDSTONE. (COAL MEASURES)	11 12 13 14 15 16 17 18 19 20

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH024

Sheet 3 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431496.74 - 407771.54

Hole Type
PH

Location: South Yorkshire

Level: 95.05

Scale
1:50

Client: Strata Homes

Dates: 03/12/2021 - 03/12/2021

Logged By
CC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					21.10	73.95		Black COAL. (TOP HAIGH COAL)
					21.90	73.15		Light grey MUDSTONE. (COAL MEASURES)
					28.60	66.45		Black COAL. (LOW HAIGH COAL)
					29.50	65.55		Light grey MUDSTONE. (COAL MEASURES)

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH024

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431496.74 - 407771.54

Hole Type
PH

Location: South Yorkshire

Level: 95.05

Scale
1:50

Client: Strata Homes

Dates: 03/12/2021 - 03/12/2021

Logged By
CC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
[Pattern]								
					33.00	62.05	End of borehole at 33.00 m	

31
32
33
34
35
36
37
38
39
40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH025

Sheet 2 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431482.08 - 407723.58	Hole Type PH
Location: South Yorkshire		Level: 98.05	Scale 1:50
Client: Strata Homes		Dates: 06/12/2021 - 06/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								11 12 13 14 15 16 17 18 19 20

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH025

Sheet 3 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431482.08 - 407723.58	Hole Type PH
Location: South Yorkshire		Level: 98.05	Scale 1:50
Client: Strata Homes		Dates: 06/12/2021 - 06/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					21.20	76.85		Black COAL. (TOP HAIGH COAL)	21
					22.10	75.95		Grey MUDSTONE. (COAL MEASURES)	22
									23
									24
					28.60	69.45		Black COAL. (LOW HAIGH COAL)	25
					29.30	68.75		Grey MUDSTONE. (COAL MEASURES)	26
									27
									28
									29
									30

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH025

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431482.08 - 407723.58

Hole Type
PH

Location: South Yorkshire

Level: 98.05

Scale
1:50

Client: Strata Homes

Dates: 06/12/2021 - 06/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					33.00	65.05		
								End of borehole at 33.00 m

31
32
33
34
35
36
37
38
39
40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH026

Sheet 1 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431439.26 - 407723.93	Hole Type PH
Location: South Yorkshire		Level: 100.00	Scale 1:50
Client: Strata Homes		Dates: 06/12/2021 - 06/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							MADE GROUND: Brown and grey CLAY. Includes boulders of up to 1.0m diameter. (OPENCAST BACKFILL)		1 2 3 4 5 6 7
					7.60	92.40	Black COAL. (SWALLOW WOOD COAL)		8
					8.20	91.80	Grey SILTSTONE. (COAL MEASURES)		9 10

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.

Borehole Log

Borehole No.

PH026

Sheet 2 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431439.26 - 407723.93

Hole Type
PH

Location: South Yorkshire

Level: 100.00

Scale
1:50

Client: Strata Homes

Dates: 06/12/2021 - 06/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
									11
					12.20	87.80		Grey MUDSTONE. (COAL MEASURES)	12
									13
									14
									15
									16
									17
									18
									19
									20

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH026

Sheet 3 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431439.26 - 407723.93	Hole Type PH
Location: South Yorkshire		Level: 100.00	Scale 1:50
Client: Strata Homes		Dates: 06/12/2021 - 06/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
▼									21
							Groundwater ingress from 21.0m.		22
					22.90	77.10		Black COAL. (TOP HAIGH COAL)	23
					23.20	76.80		Grey MUDSTONE. (COAL MEASURES)	24
									25
									26
									27
									28
									29
									30

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431439.26 - 407723.93	Hole Type PH
Location: South Yorkshire		Level: 100.00	Scale 1:50
Client: Strata Homes		Dates: 06/12/2021 - 06/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
[Pattern]					30.50	69.50		Black COAL. (LOW HAIGH COAL)	31
					31.30	68.70		Grey MUDSTONE. (COAL MEASURES)	32
					36.00	64.00		End of borehole at 36.00 m	36
									37
									38
									39
									40

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.

Borehole Log

Borehole No.

PH027

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431432.24 - 407694.51

Hole Type
PH

Location: South Yorkshire

Level: 101.75

Scale
1:50

Client: Strata Homes

Dates: 06/12/2021 - 06/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								MADE GROUND: Brown and grey CLAY. (OPENCAST BACKFILL)	1 2 3 4 5 6 7
					7.80	93.95		Black COAL. (SWALLOW WOOD COAL)	8
					8.20	93.55		Grey SILTSTONE. (COAL MEASURES)	9 10
								Continued on next sheet	

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH027

Sheet 2 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431432.24 - 407694.51

Hole Type
PH

Location: South Yorkshire

Level: 101.75

Scale
1:50

Client: Strata Homes

Dates: 06/12/2021 - 06/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx	Groundwater ingress from 10.0m.	11
					12.20	89.55	Grey MUDSTONE. (COAL MEASURES)	12	
									13
									14
									15
									16
									17
									18
									19
									20

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH027

Sheet 3 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431432.24 - 407694.51	Hole Type PH
Location: South Yorkshire		Level: 101.75	Scale 1:50
Client: Strata Homes		Dates: 06/12/2021 - 06/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
									21
									22
					22.90	78.85			23
					23.20	78.55		Black COAL. (TOP HAIGH COAL) Grey MUDSTONE. (COAL MEASURES)	23
									24
									25
									26
									27
									28
									29
									30

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH027

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431432.24 - 407694.51

Hole Type
PH

Location: South Yorkshire

Level: 101.75

Scale
1:50

Client: Strata Homes

Dates: 06/12/2021 - 06/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
[Pattern]					30.50	71.25		Black COAL. (LOW HAIGH COAL)
					31.30	70.45		Grey MUDSTONE. (COAL MEASURES)
					36.00	65.75		End of borehole at 36.00 m

31
32
33
34
35
36
37
38
39
40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH028

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431403.39 - 407723.12

Hole Type
PH

Location: South Yorkshire

Level: 101.35

Scale
1:50

Client: Strata Homes

Dates: 06/12/2021 - 06/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND: Grey gravelly CLAY. (OPENCAST BACKFILL)
	▼				8.10	93.25		Grey MUDSTONE. (COAL MEASURES)
					8.80	92.55		Grey SILTSTONE. (COAL MEASURES) <i>Groundwater ingress from 9.0m.</i>
								Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH028

Sheet 3 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431403.39 - 407723.12

Hole Type
PH

Location: South Yorkshire

Level: 101.35

Scale
1:50

Client: Strata Homes

Dates: 06/12/2021 - 06/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								21
				21.60	79.75		Black COAL. (TOP HAIGH COAL)	22
				22.40	78.95		Grey MUDSTONE. (COAL MEASURES)	23
								24
								25
								26
								27
								28
				28.70	72.65		Black COAL. (LOW HAIGH COAL)	29
				29.50	71.85		Grey MUDSTONE. (COAL MEASURES)	30

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH028

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431403.39 - 407723.12

Hole Type
PH

Location: South Yorkshire

Level: 101.35

Scale
1:50

Client: Strata Homes

Dates: 06/12/2021 - 06/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
[Pattern]								31 32 33 34 35 36 37 38 39 40
					33.00	68.35	[Pattern]	End of borehole at 33.00 m

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH029

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431373.51 - 407674.33

Hole Type
PH

Location: South Yorkshire

Level: 105.00

Scale
1:50

Client: Strata Homes

Dates: 06/12/2021 - 06/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							MADE GROUND: Grey gravelly CLAY. (OPENCAST BACKFILL)		
								1	
								2	
								3	
								4	
								5	
								6	
								7	
								8	
								9	
								10	



Groundwater ingress from 9.5m.

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH029

Sheet 2 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431373.51 - 407674.33

Hole Type
PH

Location: South Yorkshire

Level: 105.00

Scale
1:50

Client: Strata Homes

Dates: 06/12/2021 - 06/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					10.20	94.80		Grey MUDSTONE. (COAL MEASURES)	11
					12.00	93.00		Grey SILTSTONE. (COAL MEASURES)	12
					18.10	86.90		Grey MUDSTONE. (COAL MEASURES)	18
								Continued on next sheet	20

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH029

Sheet 3 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431373.51 - 407674.33

Hole Type
PH

Location: South Yorkshire

Level: 105.00

Scale
1:50

Client: Strata Homes

Dates: 06/12/2021 - 06/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					25.50	79.50		Black COAL. (TOP HAIGH COAL)
					26.40	78.60		Grey MUDSTONE. (COAL MEASURES)

21
22
23
24
25
26
27
28
29
30

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH029

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431373.51 - 407674.33

Hole Type
PH

Location: South Yorkshire

Level: 105.00

Scale
1:50

Client: Strata Homes

Dates: 06/12/2021 - 06/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
Well								31
								32
								33
					33.60	71.40	Black COAL. (LOW HAIGH COAL)	34
					34.30	70.70	Grey MUDSTONE. (COAL MEASURES)	35
					36.00	69.00	----- End of borehole at 36.00 m	36
								37
								38
								39
								40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH030

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431379.86 - 407649.81

Hole Type
PH

Location: South Yorkshire

Level: 106.35

Scale
1:50

Client: Strata Homes

Dates: 07/12/2021 - 07/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							MADE GROUND: Brown and grey CLAY. (OPENCAST BACKFILL)		
								1	
								2	
								3	
								4	
								5	
								6	
								7	
								8	
								9	
								10	

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH030

Sheet 3 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431379.86 - 407649.81

Hole Type
PH

Location: South Yorkshire

Level: 106.35

Scale
1:50

Client: Strata Homes

Dates: 07/12/2021 - 07/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					26.60	79.75		21 22 23 24 25 26 27
					27.30	79.05		28 29 30

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH030

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431379.86 - 407649.81

Hole Type
PH

Location: South Yorkshire

Level: 106.35

Scale
1:50

Client: Strata Homes

Dates: 07/12/2021 - 07/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
Well								31	
								32	
								33	
					34.50	71.85		Black COAL. (LOW HAIGH COAL)	34
					35.30	71.05		Grey MUDSTONE. (COAL MEASURES)	35
								36	
								37	
								38	
					39.00	67.35		39	
							----- End of borehole at 39.00 m	40	

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH031

Sheet 1 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431432.47 - 407638.44	Hole Type PH
Location: South Yorkshire		Level: 104.80	Scale 1:50
Client: Strata Homes		Dates: 07/12/2021 - 07/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
							MADE GROUND: Brown and grey CLAY. (OPENCAST BACKFILL)	1 2 3 4 5 6 7 8
					9.00	95.80	Black COAL. (SWALLOW WOOD COAL)	9
					9.50	95.30	Grey MUDSTONE. (COAL MEASURES)	10

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.

Borehole Log

Borehole No.

PH031

Sheet 2 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431432.47 - 407638.44

Hole Type
PH

Location: South Yorkshire

Level: 104.80

Scale
1:50

Client: Strata Homes

Dates: 07/12/2021 - 07/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					13.00	91.80		Grey SILTSTONE. (COAL MEASURES) <i>Groundwater ingress from 13.0m.</i>
					14.60	90.20		Grey MUDSTONE. (COAL MEASURES)
Continued on next sheet								

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH031

Sheet 3 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431432.47 - 407638.44	Hole Type PH
Location: South Yorkshire		Level: 104.80	Scale 1:50
Client: Strata Homes		Dates: 07/12/2021 - 07/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					24.70	80.10		21
					25.70	79.10		
								23
								24
								25
								26
								27
								28
								29
								30

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH031

Sheet 4 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431432.47 - 407638.44	Hole Type PH
Location: South Yorkshire		Level: 104.80	Scale 1:50
Client: Strata Homes		Dates: 07/12/2021 - 07/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								31
								32
					32.60	72.20		Black COAL. (LOW HAIGH COAL)
				33.30	71.50		Grey MUDSTONE. (COAL MEASURES)	34
								35
				36.00	68.80		End of borehole at 36.00 m	36
								37
								38
								39
								40

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.

Borehole Log

Borehole No.

PH032

Sheet 1 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431425.19 - 407566.40	Hole Type PH
Location: South Yorkshire		Level: 108.85	Scale 1:50
Client: Strata Homes		Dates: 08/12/2021 - 08/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							MADE GROUND: Grey gravelly CLAY. (OPENCAST BACKFILL)		1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH032

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431425.19 - 407566.40

Hole Type
PH

Location: South Yorkshire

Level: 108.85

Scale
1:50

Client: Strata Homes

Dates: 08/12/2021 - 08/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					30.30	78.55		Black COAL. (LOW HAIGH COAL)	
					30.90	77.95		Grey MUDSTONE. (COAL MEASURES)	31
					33.00	75.85		End of borehole at 33.00 m	33
									34
									35
									36
									37
									38
									39
									40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH033

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431464.33 - 407506.98

Hole Type
PH

Location: South Yorkshire

Level: 109.40

Scale
1:50

Client: Strata Homes

Dates: 09/12/2021 - 09/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					4.90	104.50		Brown CLAY. (COHESIVE RESIDUAL SOIL)	1
									2
									3
									4
									5
								Grey MUDSTONE. (COAL MEASURES)	6
									7
					9.00	100.40		Black COAL. (SWALLOW WOOD COAL)	8
					9.80	99.60		Grey SILTSTONE.	9
									10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH033

Sheet 2 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431464.33 - 407506.98

Hole Type
PH

Location: South Yorkshire

Level: 109.40

Scale
1:50

Client: Strata Homes

Dates: 09/12/2021 - 09/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					12.50	96.90	(COAL MEASURES)	11
							(COAL MEASURES)	12
							Grey MUDSTONE. (COAL MEASURES)	13
								14
								15
								16
								17
		▼						18
								19
								20

Groundwater ingress from 18.0m

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH033

Sheet 3 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431464.33 - 407506.98

Hole Type
PH

Location: South Yorkshire

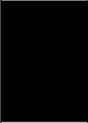
Level: 109.40

Scale
1:50

Client: Strata Homes

Dates: 09/12/2021 - 09/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					24.30	85.10	 Black COAL. (TOP HAIGH COAL)	21
					25.10	84.30		 Grey MUDSTONE. (COAL MEASURES)
								24
								25
								26
								27
								28
								29
								30

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431464.33 - 407506.98

Hole Type
PH

Location: South Yorkshire

Level: 109.40

Scale
1:50

Client: Strata Homes

Dates: 09/12/2021 - 09/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
Well					31.20	78.20			31
					32.20	77.20		Black COAL. (LOW HAIGH COAL)	32
								Grey MUDSTONE. (COAL MEASURES)	33
					36.00	73.40			34
									35
									36
								----- End of borehole at 36.00 m	37
									38
									39
									40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH034

Sheet 1 of 1

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431549.98 - 407924.85	Hole Type PH
Location: South Yorkshire		Level: 86.60	Scale 1:50
Client: Strata Homes		Dates: 13/12/2021 - 13/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Brown gravelly CLAY. (COHESIVE RESIDUAL SOIL)	1	
					2.30	84.30		2	
					3.00	83.60	Grey SILTSTONE. (COAL MEASURES)	3	
							End of borehole at 3.00 m	4	
								5	
								6	
								7	
								8	
								9	
								10	

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH035

Sheet 1 of 1

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431452.40 - 407875.68

Hole Type
PH

Location: South Yorkshire

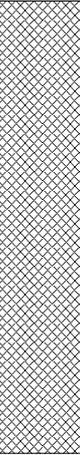
Level: 92.90

Scale
1:50

Client: Strata Homes

Dates: 13/12/2021 - 13/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					3.00	89.90		MADE GROUND: Grey gravelly CLAY. (OPENCASST BACKFILL)	
								End of borehole at 3.00 m	

Remarks
1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.

Borehole Log

Borehole No.

PH036

Sheet 1 of 1

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431318.46 - 407900.39	Hole Type PH
Location: South Yorkshire		Level: 97.65	Scale 1:50
Client: Strata Homes		Dates: 13/12/2021 - 13/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					2.00	95.65		Brown CLAY. (COHESIVE RESIDUAL SOIL)
					3.00	94.65		Grey SILTSTONE. (COAL MEASURES)
							----- End of borehole at 3.00 m	

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH037

Sheet 1 of 1

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431469.62 - 407782.21

Hole Type
PH

Location: South Yorkshire

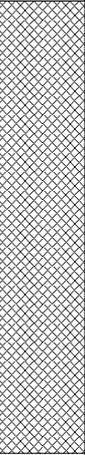
Level: 95.70

Scale
1:50

Client: Strata Homes

Dates: 13/12/2021 - 13/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					3.00	92.70		MADE GROUND: Grey gravelly CLAY. (OPENCAS T BACKFILL)	
								End of borehole at 3.00 m	

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH038

Sheet 1 of 1

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431367.15 - 407668.67	Hole Type PH
Location: South Yorkshire		Level: 105.70	Scale 1:50
Client: Strata Homes		Dates: 13/12/2021 - 13/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					3.00	102.70		MADE GROUND: Grey gravelly CLAY. (OPENCASST BACKFILL)	
								End of borehole at 3.00 m	

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.

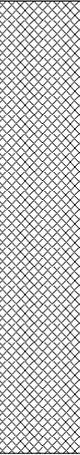
Borehole Log

Borehole No.

PH039

Sheet 1 of 1

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431410.58 - 407577.69	Hole Type PH
Location: South Yorkshire		Level: 109.20	Scale 1:50
Client: Strata Homes		Dates: 13/12/2021 - 13/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					3.00	106.20		MADE GROUND: Grey gravelly CLAY. (OPENCAS T BACKFILL)	
								End of borehole at 3.00 m	

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH040

Sheet 1 of 1

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431299.86 - 407470.58

Hole Type
PH

Location: South Yorkshire

Level: 120.50

Scale
1:50

Client: Strata Homes

Dates: 14/12/2021 - 14/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.70	118.80		Brown CLAY. (COHESIVE RESIDUAL SOIL)	1
					3.00	117.50		Buffish grey SANDSTONE. (COAL MEASURES)	2
								End of borehole at 3.00 m	3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH041

Sheet 1 of 1

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431251.22 - 407536.76

Hole Type
PH

Location: South Yorkshire

Level: 118.60

Scale
1:50

Client: Strata Homes

Dates: 14/12/2021 - 14/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					1.50	117.10		Brown CLAY. (COHESIVE RESIDUAL SOIL)
					3.00	115.60		Buffish grey SANDSTONE. (COAL MEASURES)
								End of borehole at 3.00 m

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH042

Sheet 1 of 1

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431218.81 - 407619.37

Hole Type
PH

Location: South Yorkshire

Level: 115.15

Scale
1:50

Client: Strata Homes

Dates: 14/12/2021 - 14/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
Well	Water Strikes								
					1.30	113.85		Brown CLAY. (COHESIVE RESIDUAL SOIL)	1
					3.00	112.15		Buffish grey SANDSTONE. (COAL MEASURES)	2
								End of borehole at 3.00 m	3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH101

Sheet 1 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431502.08 - 407681.88

Hole Type
PH

Location: South Yorkshire

Level: 99.15

Scale
1:50

Client: Strata Homes

Dates: 07/12/2021 - 07/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					4.50	94.65		MADE GROUND: Brown and grey CLAY. (OPENCAST BACKFILL)	1
									2
									3
									4
									5
								Buff and grey interbedded SILTSTONE and SANDSTONE. (COAL MEASURES)	6
									7
									8
					9.10	90.05		Grey MUDSTONE. (COAL MEASURES)	9
									10

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH101

Sheet 2 of 3

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431502.08 - 407681.88	Hole Type PH
Location: South Yorkshire		Level: 99.15	Scale 1:50
Client: Strata Homes		Dates: 07/12/2021 - 07/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
									11
									12
									13
									14
									15
									16
									17
									18
					19.00	80.15			19
					20.00	79.15	Black COAL. (TOP HAIGH COAL)		20

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.

Borehole Log

Borehole No.

PH101

Sheet 3 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431502.08 - 407681.88

Hole Type
PH

Location: South Yorkshire

Level: 99.15

Scale
1:50

Client: Strata Homes

Dates: 07/12/2021 - 07/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Grey MUDSTONE. (COAL MEASURES)	21
									22
									23
									24
									25
									26
					27.00	72.15		Black COAL. (LOW HAIGH COAL)	27
					27.60	71.55		Grey MUDSTONE. (COAL MEASURES)	28
									29
					30.00	69.15		End of borehole at 30.00 m	30

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH102

Sheet 1 of 3

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431515.89 - 407640.54	Hole Type PH
Location: South Yorkshire		Level: 100.80	Scale 1:50
Client: Strata Homes		Dates: 07/12/2021 - 07/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							MADE GROUND: Grey gravelly CLAY. (OPENCAST BACKFILL)		1 2 3 4
					4.80	96.00		Light brown interbedded SILTSTONE and SANDSTONE. (COAL MEASURES)	5 6 7
					8.50	92.30		Grey MUDSTONE. (COAL MEASURES)	8 9
									10

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH102

Sheet 2 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431515.89 - 407640.54

Hole Type
PH

Location: South Yorkshire

Level: 100.80

Scale
1:50

Client: Strata Homes

Dates: 07/12/2021 - 07/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					17.70	83.10		Black COAL. (TOP HAIGH COAL)
					18.60	82.20		Grey MUDSTONE. (COAL MEASURES)
								Continued on next sheet

11
12
13
14
15
16
17
18
19
20

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH102

Sheet 3 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431515.89 - 407640.54

Hole Type
PH

Location: South Yorkshire

Level: 100.80

Scale
1:50

Client: Strata Homes

Dates: 07/12/2021 - 07/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					25.10	75.70		Black COAL. (LOW HAIGH COAL)
					25.80	75.00		Grey MUDSTONE. (COAL MEASURES)
					30.00	70.80		End of borehole at 30.00 m

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH103

Sheet 1 of 3

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431513.85 - 407607.89	Hole Type PH
Location: South Yorkshire		Level: 102.25	Scale 1:50
Client: Strata Homes		Dates: 07/12/2021 - 07/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							MADE GROUND: Brown and grey CLAY. (OPENCAST BACKFILL)		1 2 3 4
					4.70	97.55		Buff and grey interbedded SILTSTONE and SANDSTONE. (COAL MEASURES)	5 6 7
					8.50	93.75		Grey MUDSTONE. (COAL MEASURES)	8 9
									10

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH103

Sheet 2 of 3

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431513.85 - 407607.89	Hole Type PH
Location: South Yorkshire		Level: 102.25	Scale 1:50
Client: Strata Homes		Dates: 07/12/2021 - 07/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					17.70	84.55		Black COAL. (TOP HAIGH COAL)
					18.60	83.65		Grey MUDSTONE. (COAL MEASURES)

11
12
13
14
15
16
17
18
19
20

Continued on next sheet

Remarks
1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH103

Sheet 3 of 3

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431513.85 - 407607.89

Hole Type
PH

Location: South Yorkshire

Level: 102.25

Scale
1:50

Client: Strata Homes

Dates: 07/12/2021 - 07/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
Well	Water Strikes	Depth (m)	Type	Results	25.10	77.15	Black COAL. (LOW HAIGH COAL)	25
					25.80	76.45	Grey MUDSTONE. (COAL MEASURES)	26
					30.00	72.25	End of borehole at 30.00 m	30

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH104

Sheet 1 of 4

Project Name: Barnsley West (LT1)	Project No. 3104	Co-ords: 431581.47 - 407580.06	Hole Type PH
Location: South Yorkshire		Level: 100.30	Scale 1:50
Client: Strata Homes		Dates: 08/12/2021 - 08/12/2021	Logged By GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								MADE GROUND: Brown and grey CLAY. (OPENCAST BACKFILL)	1
									2
									3
									4
									5
					6.50	93.80			6
									7
								Grey SILTSTONE. (COAL MEASURES)	8
									9
					8.60	91.70		Grey MUDSTONE. (COAL MEASURES)	10

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH104

Sheet 2 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431581.47 - 407580.06

Hole Type
PH

Location: South Yorkshire

Level: 100.30

Scale
1:50

Client: Strata Homes

Dates: 08/12/2021 - 08/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH104

Sheet 3 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431581.47 - 407580.06

Hole Type
PH

Location: South Yorkshire

Level: 100.30

Scale
1:50

Client: Strata Homes

Dates: 08/12/2021 - 08/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					20.40	79.90		Black COAL. (TOP HAIGH COAL)	21
					21.30	79.00		Grey MUDSTONE. (COAL MEASURES)	22
									23
									24
					27.90	72.40		Black COAL. (LOW HAIGH COAL)	28
					28.80	71.50		Grey MUDSTONE. (COAL MEASURES)	29
									30

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH104

Sheet 4 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431581.47 - 407580.06

Hole Type
PH

Location: South Yorkshire

Level: 100.30

Scale
1:50

Client: Strata Homes

Dates: 08/12/2021 - 08/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
[Pattern]								
					33.00	67.30	End of borehole at 33.00 m	

31
32
33
34
35
36
37
38
39
40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH105

Sheet 1 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431539.90 - 407550.55

Hole Type
PH

Location: South Yorkshire

Level: 103.50

Scale
1:50

Client: Strata Homes

Dates: 08/12/2021 - 08/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								MADE GROUND: Brown and grey CLAY. (OPENCAST BACKFILL)	1
									2
									3
									4
									5
									6
									7
					7.80	95.70			8
								Grey SILTSTONE. (COAL MEASURES)	9
					9.20	94.30			10
								Grey MUDSTONE. (COAL MEASURES)	

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH105

Sheet 2 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431539.90 - 407550.55

Hole Type
PH

Location: South Yorkshire

Level: 103.50

Scale
1:50

Client: Strata Homes

Dates: 08/12/2021 - 08/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.



Borehole Log

Borehole No.

PH105

Sheet 3 of 4

Project Name: Barnsley West (LT1)

Project No.
3104

Co-ords: 431539.90 - 407550.55

Hole Type
PH

Location: South Yorkshire

Level: 103.50

Scale
1:50

Client: Strata Homes

Dates: 08/12/2021 - 08/12/2021

Logged By
GLM

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					21.30	82.20		Black COAL. (TOP HAIGH COAL)	21
					22.10	81.40		Grey MUDSTONE. (COAL MEASURES)	22
					28.90	74.60		Black COAL. (LOW HAIGH COAL)	29
				29.70	73.80		Grey MUDSTONE.		30

Continued on next sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Exploratory hole surveyed in (level and co-ordinates) on completion. 3. Borehole advanced using air flush. 4. 100% of flush returned throughout drilling.

