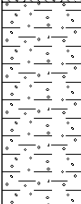


				Trial Pit Log			Trialpit No TP106 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432292.30 - 404400.51 Level: 95.70		Date 14/04/2021	
Location: Dodworth				Dimensions (m): Depth 1.10 3.2 3.2		Scale 1:25		Logged LEW	
Client: The Wentworth Trustees									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.30	95.40		Dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is subangular to subrounded fine to medium of mixed lithologies including rare brick. (TOPSOIL)	1	
				0.70	95.00		Firm orangish brown slightly sandy CLAY. (COHESIVE RESIDUAL SOIL)		
				1.10	94.60		Stiff light grey mottled brown slightly sandy slightly gravelly CLAY with low cobble content. Gravel is angular to subangular fine to coarse of ironstone. Cobbles of ironstone. (COHESIVE RESIDUAL SOIL)		
							<i>Presence of ironstone possible cause of anomaly.</i> End of pit at 1.10 m		
									2
									3
									4
									5

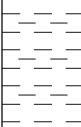
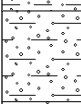
Remarks:	1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (co-ordinates & level) prior to excavation.	
Stability:	1. The sides of the trial pit remained stable during excavation.	

				Trial Pit Log			Trialpit No TP107 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432332.08 - 404403.67 Level: 94.80		Date 14/04/2021	
Location: Dodworth				Dimensions (m): 4.2 		Scale 1:25		Logged LEW	
Client: The Wentworth Trustees				Depth 1.00					

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30	94.50		Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)	
							Firm orangish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is subangular fine to coarse of sandstone and ironstone. (COHESIVE RESIDUAL SOIL) <i>In northeast corner, possible reworked ground (gravel and cobbles of sandstone) to 0.6m depth.</i>	
				1.00	93.80		End of pit at 1.00 m	1
								2
								3
								4
								5

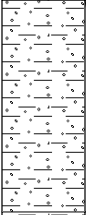
Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (co-ordinates & level) prior to excavation.		
Stability: 1. The sides of the trial pit remained stable during excavation.		

				Trial Pit Log			Trialpit No TP108 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432362.69 - 404420.46 Level: 95.75		Date 14/04/2021	
Location: Dodworth				Dimensions (m): Depth 3.2		Scale 1:25		Logged LEW	
Client: The Wentworth Trustees				Depth 1.60					

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20	95.55		Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)	
							Firm orangish brown mottled grey CLAY. (COHESIVE RESIDUAL SOIL)	
				0.70	95.05		Stiff light brown slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone. (COHESIVE RESIDUAL SOIL)	
				1.00	94.75		At 0.8m in northwwest corner, piece of rotting timber with 2 pieces of steel (possible old gate post). Black very clayey angular to subangular fine to coarse GRAVEL of coal. (GRANULAR RESIDUAL SOIL)	1
				1.30	94.45		Stiff light grey mottled brown slightly gravelly CLAY. Gravel is subangular fine to coarse of sandstone and ironstone. (COHESIVE RESIDUAL SOIL)	
				1.60	94.15		End of pit at 1.60 m	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 (co-ordinates & level) prior to excavation.		
Stability: 1. The sides of the trial pit remained stable during excavation.		

				Trial Pit Log			Trialpit No TP109 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432385.90 - 404426.34 Level: 94.80		Date 14/04/2021	
Location: Dodworth				Dimensions (m): Depth 1.30 3.9		Scale 1:25		Logged LEW	
Client: The Wentworth Trustees									

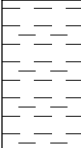
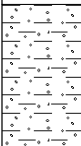
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30	94.50		MADE GROUND: Dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is subangular to subrounded fine to coarse of mixed lithologies including limestone and brick. Plastic sheet at the base in southeast corner. (MADE GROUND TOPSOIL)	
				1.00	93.80		Firm orangish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of siltstone and ironstone. (COHESIVE RESIDUAL SOIL) <i>Between 0.3m and 0.6m, 0.2m wide trench crossing centre of pit (NW-SE) with limestone backfill and plastic land drain.</i>	1
				1.30	93.50		Stiff grey mottled brown slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of ironstone. (COHESIVE RESIDUAL SOIL) <i>Localised pockets of weathered coal.</i>	
							End of pit at 1.30 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 (co-ordinates & level) prior to excavation.

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

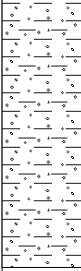


				Trial Pit Log			Trialpit No TP110 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432383.30 - 404434.78 Level: 95.10		Date 14/04/2021	
Location: Dodworth				Dimensions (m): 3.5 3.5 3.5		Scale 1:25		Logged LEW	
Client: The Wentworth Trustees				Depth 1.60					

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30	94.80		Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)	
				0.80	94.30		Firm orangish brown mottled light grey CLAY. (COHESIVE RESIDUAL SOIL) <i>At 0.4m, 2 terracotta land drains crossing centre of pit (N-S & NW-SE)</i>	
				1.30	93.80		Firm black and grey slightly sandy slightly gravelly CLAY. Gravel is subangular fine to medium of coal. (COHESIVE RESIDUAL SOIL)	1
				1.60	93.50		Firm grey mottled brown slightly sandy CLAY. (COHESIVE RESIDUAL SOIL)	
							End of pit at 1.60 m	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 (co-ordinates & level) prior to excavation.		
Stability: 1. The sides of the trial pit remained stable during excavation.		

				Trial Pit Log			Trialpit No TP113 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432420.00 - 404341.35 Level: 89.50		Date 14/04/2021	
Location: Dodworth				Dimensions (m): 3.6 3.0 1.20		Scale 1:25		Logged LEW	
Client: The Wentworth Trustees									

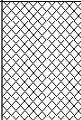
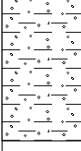
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30	89.20		Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)	
				1.20	88.30		Firm orangish brown mottled grey slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of sandstone and ironstone. (COHESIVE RESIDUAL SOIL) <i>10cm bed of weathered coal (black gravelly clay) at 0.4m in north of pit dipping to 1.1m in south of pit.</i>	1 2 3 4 5
							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 (co-ordinates & level) prior to excavation.		
Stability: 1. The sides of the trial pit remained stable during excavation.		

				Trial Pit Log			Trialpit No TP114 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432283.76 - 404406.50 Level: 96.55		Date 15/04/2021	
Location: Dodworth				Dimensions (m):		3.4		Scale 1:25	
Client: The Wentworth Trustees				Depth 0.90				Logged LEW	
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.20	96.35		Dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is subangular to subrounded fine to medium of mixed lithologies. (TOPSOIL)		
				0.50	96.05		Firm orangish brown slightly sandy CLAY. (COHESIVE RESIDUAL SOIL)		
							At 0.4m, sheet of steel (0.6m x 0.6m) in centre of pit. Stiff light grey mottled brown slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of ironstone. (COHESIVE RESIDUAL SOIL)		
				0.90	95.65		End of pit at 0.90 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 (co-ordinates & level) prior to excavation.									
Stability: 1. The sides of the trial pit remained stable during excavation.									



				Trial Pit Log			Trialpit No TP115 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432374.62 - 404317.39 Level: 88.55		Date 15/04/2021	
Location: Dodworth				Dimensions (m): 3.2 3.5 1.40		Scale 1:25		Logged LEW	
Client: The Wentworth Trustees									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.40	88.15		MADE GROUND: Dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is angular to subangular fine to coarse of predominantly metal with rare brick and timber. (MADE GROUND TOPSOIL)	
				0.90	87.65		Firm orangish brown slightly sandy CLAY. (COHESIVE RESIDUAL SOIL) <i>At 0.6m in northwest, terracotta land drain crossing east-west.</i>	1
				1.40	87.15		Firm light grey mottled orangish brown slightly gravelly CLAY. Gravel is subangular fine to medium of ironstone. (COHESIVE RESIDUAL SOIL) <i>At 1.0m in northwest, stone drain/culvert? (gravel and cobbles of sandstone and ironstone) crossing east-west.</i>	
							End of pit at 1.40 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 (co-ordinates & level) prior to excavation.		
Stability: 1. The sides of the trial pit remained stable during excavation.		

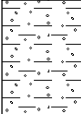
				Trial Pit Log			Trialpit No TP116 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432293.60 - 404334.69 Level: 93.00		Date 15/04/2021	
Location: Dodworth				Dimensions (m): Depth 0.50		3.3 		Scale 1:25 Logged LEW	
Client: The Wentworth Trustees									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30	92.70		Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)	1 2 3 4 5
				0.50	92.50		Firm orangish brown mottled light grey CLAY. (COHESIVE RESIDUAL SOIL)	
							----- End of pit at 0.50 m	

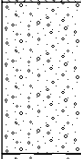
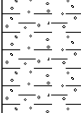
Remarks:	1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (co-ordinates & level) prior to excavation.	
Stability:	1. The sides of the trial pit remained stable during excavation.	

				Trial Pit Log			Trialpit No TP117 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432274.70 - 404316.10 Level: 94.80		Date 15/04/2021	
Location: Dodworth				Dimensions (m):		3.5		Scale 1:25	
Client: The Wentworth Trustees				Depth 0.90				Logged LEW	
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.30	94.50		Dark brown slightly sandy CLAY with occasional rootlets and rare gravel of brick. (TOPSOIL)		
				0.60	94.20		Firm brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of sandstone. (COHESIVE RESIDUAL SOIL)		
							Stiff light brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse of sandstone. (COHESIVE RESIDUAL SOIL)		
				0.90	93.90		No anomalous ground encountered. End of pit at 0.90 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 (co-ordinates & level) prior to excavation.									
Stability: 1. The sides of the trial pit remained stable during excavation.									



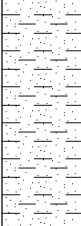
				Trial Pit Log			Trialpit No TP119 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432281.14 - 404305.33 Level: 94.95		Date 15/04/2021	
Location: Dodworth				Dimensions (m):		1.8 		Scale 1:25	
Client: The Wentworth Trustees				Depth 0.80		2.4 		Logged LEW	
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.30	94.65		Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)		
							Firm orangish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone. (COHESIVE RESIDUAL SOIL)		
				0.80	94.15		Limited search area due to proximity of footpath and trees. No anomalous ground encountered. End of pit at 0.80 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 (co-ordinates & level) prior to excavation.									
Stability: 1. The sides of the trial pit remained stable during excavation.									

				Trial Pit Log			Trialpit No TP120 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432123.33 - 404368.34 Level: 108.20		Date 15/04/2021	
Location: Dodworth				Dimensions (m): 3.4 Depth 1.20 3.4		Scale 1:25		Logged LEW	
Client: The Wentworth Trustees									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30	107.90		Dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is subangular to subrounded fine to medium of predominantly sandstone. (TOPSOIL)	1 2 3 4 5
				0.80	107.40		Firm orangish brown mottled light grey slightly sandy slightly gravelly CLAY. Gravel is subangular fine to coarse of sandstone. (COHESIVE RESIDUAL SOIL)	
				1.20	107.00		No anomalous ground encountered.	
							End of pit at 1.20 m	

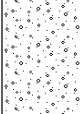
Remarks:	1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Exploratory hole surveyed in (co-ordinates & level) prior to excavation.	
Stability:	1. The sides of the trial pit remained stable during excavation.	

				Trial Pit Log			Trialpit No TP121 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432091.03 - 404429.43 Level: 110.65		Date 15/04/2021	
Location: Dodworth				Dimensions (m): Depth 1.10 3.4		Scale 1:25		Logged LEW	
Client: The Wentworth Trustees									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30	110.35		Dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is subangular to subrounded fine to medium of sandstone. (TOPSOIL)	
				1.10	109.55		Firm light brown slightly gravelly sandy CLAY. Gravel is angular to subangular fine to coarse of predominantly sandstone with rare ironstone. (COHESIVE RESIDUAL SOIL)	
							No anomalous ground encountered. End of pit at 1.10 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 (co-ordinates & level) prior to excavation.	
Stability:	1. The sides of the trial pit remained stable during excavation.	

				Trial Pit Log			Trialpit No TP122 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432056.40 - 404433.65 Level: 113.20		Date 15/04/2021	
Location: Dodworth				Dimensions (m): 3.3 3.0 0.80		Scale 1:25		Logged LEW	
Client: The Wentworth Trustees									

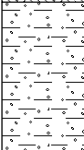
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20	113.00		Dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is subangular to subrounded fine to coarse of sandstone. (TOPSOIL)	
				0.70	112.50		Light brown slightly clayey sandy angular tabular fine to coarse GRAVEL of sandstone. High cobble content of sandstone. (GRANULAR RESIDUAL SOIL)	
				0.80	112.40		Stiff orangish brown mottled light grey slightly sandy slightly gravelly CLAY. Gravel is subangular fine to coarse of sandstone. (COHESIVE RESIDUAL SOIL)	1
							End of pit at 0.80 m	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 (co-ordinates & level) prior to excavation.

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



				Trial Pit Log			Trialpit No TP123 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432057.95 - 404454.73 Level: 112.85		Date 15/04/2021	
Location: Dodworth				Dimensions (m): 3.4 		Scale 1:25		Logged LEW	
Client: The Wentworth Trustees				Depth 0.80					

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30	112.55		Dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is subangular to subrounded fine to medium of mixed lithologies. (TOPSOIL)	
				0.80	112.05		Stiff orangish brown mottled high grey slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of sandstone. (COHESIVE RESIDUAL SOIL) <i>At 0.3m in centre of pit, 0.2m wide trench with predominantly ash & clinker backfill (rare brick, sandstone and metal). Terracotta land drain at 0.6m.</i>	
End of pit at 0.80 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 (co-ordinates & level) prior to excavation.		
Stability:		1. The sides of the trial pit remained stable during excavation.		

				Trial Pit Log			Trialpit No TP124 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432066.78 - 404461.11 Level: 112.25		Date 15/04/2021	
Location: Dodworth				Dimensions (m): Depth 0.90 3.3		Scale 1:25		Logged LEW	
Client: The Wentworth Trustees									

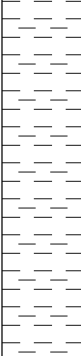
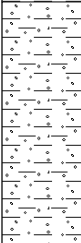
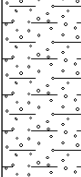
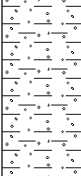
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20	112.05		Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)	
							Firm orangish brown mottled light grey slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of sandstone. (COHESIVE RESIDUAL SOIL)	
							At base of topsoil, 1.4m wide circle of dark grey and reddish brown clay. Approximately 0.1m thick (possible old hollow).	
				0.90	111.35		End of pit at 0.90 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 (co-ordinates & level) prior to excavation.

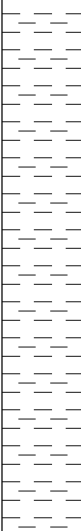
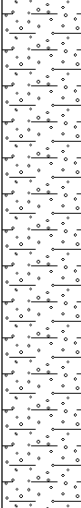
Stability: 1. The sides of the trial pit remained stable during excavation.



				Trial Pit Log			Trialpit No TT101(CN)	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432476.00 - 404459.00 Level:		Sheet 1 of 1 Date 16/04/2021
Location: Dodworth				Dimensions (m):		13.5 		Scale 1:25
Client: The Wentworth Trustees				Depth 3.40		0.0		Logged LEW

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20			Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)	1
							Firm orangish brown mottled grey CLAY. (COHESIVE RESIDUAL SOIL)	
				1.40			Firm dark brown slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of mudstone. (COHESIVE RESIDUAL SOIL)	2
				2.20			Black clayey sandy angular to subangular fine to medium GRAVEL of coal. (GRANULAR RESIDUAL SOIL)	
				2.80			Stiff light grey mottled orangish brown slightly sandy slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE RESIDUAL SOIL)	3
				3.40		End of pit at 3.40 m		
								4
								5

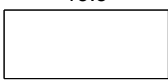
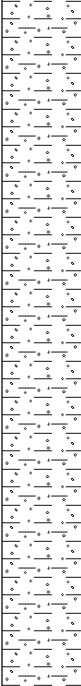
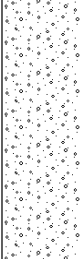
Remarks:	1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Co-ordinates from hand held GPS, hole not surveyed in.	
Stability:	1. The sides of the trial pit remained stable during excavation.	

				Trial Pit Log			Trialpit No TT101(CS)	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432472.00 - 404445.00 Level:		Date 16/04/2021
Location: Dodworth				Dimensions (m):		13.5		Scale 1:25
Client: The Wentworth Trustees				Depth 4.20				Logged LEW
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20			Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)	
							Firm orangish brown mottled grey CLAY. (COHESIVE RESIDUAL SOIL)	
				2.00			Grey clayey angular to subangular fine to coarse GRAVEL of mudstone. (GRANULAR RESIDUAL SOIL)	
							Between TT101(CS) & TT101(S), 0.6m wide bed of coal between 2.5m and 3.1m depth.	
				3.70			Black clayey sandy angular to subangular fine to medium GRAVEL of coal. (GRANULAR RESIDUAL SOIL)	
				3.90			Stiff grey slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE RESIDUAL SOIL)	
				4.20		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. Co-ordinates from hand held GPS, hole not surveyed in.								
Stability: 1. The sides of the trial pit remained stable during excavation.								

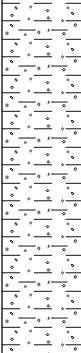
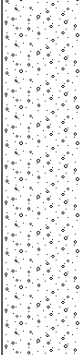
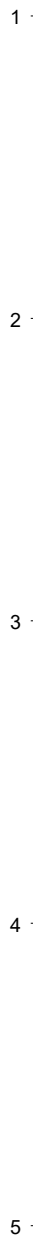


				Trial Pit Log			Trialpit No TT101(N) Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432476.00 - 404459.00 Level:		Date 16/04/2021	
Location: Dodworth				Dimensions (m):		13.5		Scale 1:25	
Client: The Wentworth Trustees				Depth 0.80				Logged LEW	
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.20			Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)		
							Firm orangish brown mottled grey CLAY. (COHESIVE RESIDUAL SOIL)		
				0.80			<i>Between TT101(N) & TT101(CN), 5m wide band of grey clayey GRAVEL of mudstone between 0.4m and 0.8m depth.</i>		
							End of pit at 0.80 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. Co-ordinates from hand held GPS, hole not surveyed in.									
Stability: 1. The sides of the trial pit remained stable during excavation.									

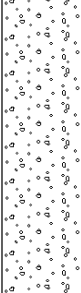


				Trial Pit Log			Trialpit No TT101(S) Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432472.00 - 404445.00 Level:		Date 16/04/2021	
Location: Dodworth				Dimensions (m):		13.5		Scale 1:25	
Client: The Wentworth Trustees				Depth 4.20				Logged LEW	
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.20			Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)		
							Firm grey slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE RESIDUAL SOIL)		
				2.50			Grey slightly clayey sandy angular to subangular fine to coarse GRAVEL of mudstone. (GRANULAR RESIDUAL SOIL)		
				3.40			Weak grey MUDSTONE recovered as sandy angular tabular fine to coarse gravel. (MIDDLE COAL MEASURES - MUDSTONE)		
				4.20		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. Co-ordinates from hand held GPS, hole not surveyed in.									
Stability: 1. The sides of the trial pit remained stable during excavation.									

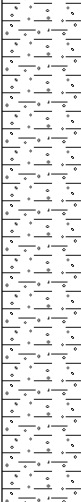
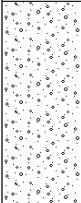


				Trial Pit Log			Trialpit No TT102(CN)	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432511.00 - 404444.00 Level:		Sheet 1 of 1 Date 16/04/2021
Location: Dodworth				Dimensions (m):		17.5 		Scale 1:25
Client: The Wentworth Trustees				Depth 3.00		0.0 		Logged LEW
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)	
							Firm orangish brown mottled grey CLAY with rare gravel of ironstone. (COHESIVE RESIDUAL SOIL)	
				1.50			Greyish brown clayey sandy angular to subangular fine to coarse GRAVEL of mudstone. (GRANULAR RESIDUAL SOIL)	
				2.70			Weak grey MUDSTONE with rare ironstone nodules (gravel sized) recovered as sandy angular tabular fine to coarse gravel. (MIDDLE COAL MEASURES - MUDSTONE)	
				3.00		End of pit at 3.00 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. Co-ordinates from hand held GPS, hole not surveyed in.								
Stability: 1. The sides of the trial pit remained stable during excavation.								

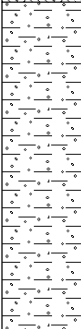
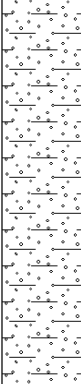


				Trial Pit Log			Trialpit No TT102(CS)	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432506.00 - 404430.00 Level:		Sheet 1 of 1 Date 16/04/2021
Location: Dodworth				Dimensions (m):		17.5 		Scale 1:25
Client: The Wentworth Trustees				Depth 3.90		0.0		Logged LEW
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)	
							Firm orangish brown mottled grey CLAY. (COHESIVE RESIDUAL SOIL)	1
				1.60			Grey clayey sandy angular to subangular fine to coarse GRAVEL of mudstone. (GRANULAR RESIDUAL SOIL)	
				1.80			Orangish brown angular fine to coarse GRAVEL of ironstone with high cobble content of ironstone. (GRANULAR RESIDUAL SOIL) <i>Between 1.8m and 2.8m, 0.8m wide ironstone nodule within mudstone bedrock.</i>	2
				2.80			Weak grey MUDSTONE with rare ironstone nodules (gravel sized) recovered as sandy angular tabular fine to coarse gravel. (MIDDLE COAL MEASURES - MUDSTONE)	3
				3.90			End of pit at 3.90 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. Co-ordinates from hand held GPS, hole not surveyed in.								
Stability: 1. The sides of the trial pit remained stable during excavation.								



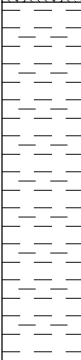
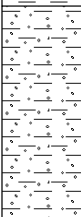
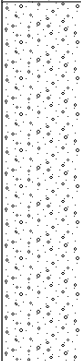
				Trial Pit Log			Trialpit No TT102(N) Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432511.00 - 404444.00 Level:		Date 16/04/2021	
Location: Dodworth				Dimensions (m):		17.5		Scale 1:25	
Client: The Wentworth Trustees				Depth 3.00				Logged LEW	
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.30			Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)		
							Firm orangish brown mottled grey CLAY with rare gravel of ironstone. (COHESIVE RESIDUAL SOIL)		
				2.00			Greyish brown clayey sandy angular to subangular fine to coarse GRAVEL of predominantly mudstone with rare ironstone. (GRANULAR RESIDUAL SOIL)		
				2.70			Weak grey MUDSTONE with frequent ironstone nodules (cobble sized) recovered as sandy angular tabular fine to coarse gravel with medium cobble content of ironstone. (MIDDLE COAL MEASURES - MUDSTONE)		
			3.00			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. Co-ordinates from hand held GPS, hole not surveyed in.									
Stability: 1. The sides of the trial pit remained stable during excavation.									



				Trial Pit Log			Trialpit No TT102(S) Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432506.00 - 404430.00 Level:		Date 16/04/2021	
Location: Dodworth				Dimensions (m):		17.5		Scale 1:25	
Client: The Wentworth Trustees				Depth 3.80				Logged LEW	
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.30			Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)		
				1.40			Firm orangish brown mottled grey CLAY with rare gravel of ironstone. (COHESIVE RESIDUAL SOIL)		
				2.70			Grey clayey sandy angular to subangular fine to coarse GRAVEL of mudstone. (GRANULAR RESIDUAL SOIL)		
				3.80			Weak grey MUDSTONE with rare ironstone nodules (gravel sized) recovered as sandy angular tabular fine to coarse gravel. (MIDDLE COAL MEASURES - MUDSTONE)		
						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. Co-ordinates from hand held GPS, hole not surveyed in.									
Stability: 1. The sides of the trial pit remained stable during excavation.									



				Trial Pit Log			Trialpit No TT103(CN)	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432485.00 - 404453.00 Level:		Sheet 1 of 1 Date 16/04/2021
Location: Dodworth				Dimensions (m):		14 		Scale 1:25
Client: The Wentworth Trustees				Depth 4.40		0.0		Logged LEW

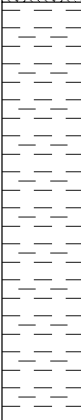
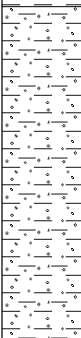
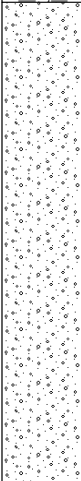
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)	1
				1.50			Firm orangish brown mottled grey CLAY. (COHESIVE RESIDUAL SOIL)	
				2.20			Firm brown slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of mudstone. (COHESIVE RESIDUAL SOIL)	2
				3.40			Dark grey slightly sandy angular tabular fine to coarse GRAVEL of carbonaceous mudstone. (GRANULAR RESIDUAL SOIL)	3
				3.70			Stiff dark grey CLAY. (COHESIVE RESIDUAL SOIL)	4
				4.20			Black COAL recovered as sandy and fine to medium gravel.	
				4.40			Firm light grey slightly gravelly CLAY. Gravel is subangular fine to medium of mudstone. (COHESIVE RESIDUAL SOIL)	
							End of pit at 4.40 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. Co-ordinates from hand held GPS, hole not surveyed in.

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



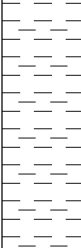
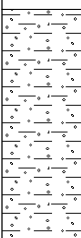
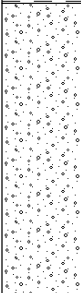
				Trial Pit Log			Trialpit No TT103(CS)	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432482.00 - 404442.00 Level:		Sheet 1 of 1 Date 16/04/2021
Location: Dodworth				Dimensions (m):		14 		Scale 1:25
Client: The Wentworth Trustees				Depth 4.90		0.0		Logged LEW

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)	1
							Firm orangish brown mottled grey CLAY. (COHESIVE RESIDUAL SOIL)	
				1.70			Stiff light brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine of mudstone. (COHESIVE RESIDUAL SOIL)	2
				2.80			Dark grey slightly sandy angular tabular fine to coarse GRAVEL of carbonaceous mudstone. (GRANULAR RESIDUAL SOIL)	3
				4.40			Black COAL recovered as sandy and fine to medium gravel.	4
				4.80			Firm light grey CLAY. (COHESIVE RESIDUAL SOIL)	
				4.90			End of pit at 4.90 m	

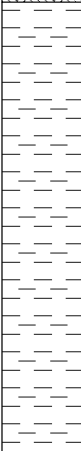
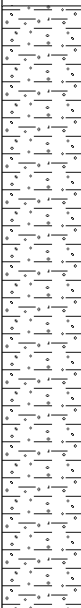
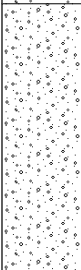
Remarks: 1. Prior to excavation a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during excavation. 3. Backfilled with materials arising upon completion. 4. Co-ordinates from hand held GPS, hole not surveyed in.

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



				Trial Pit Log			Trialpit No TT103(N) Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432485.00 - 404453.00 Level:		Date 16/04/2021	
Location: Dodworth				Dimensions (m):		14		Scale 1:25	
Client: The Wentworth Trustees				Depth 3.50				Logged LEW	
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.30			Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)		
				1.20			Firm orangish brown mottled grey CLAY. (COHESIVE RESIDUAL SOIL)		
				2.00			Firm brown slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of mudstone. (COHESIVE RESIDUAL SOIL)		
				3.00			Dark grey slightly sandy angular tabular fine to coarse GRAVEL of carbonaceous mudstone. (GRANULAR RESIDUAL SOIL)		
				3.30			Stiff dark grey CLAY. (COHESIVE RESIDUAL SOIL)		
				3.50			Black COAL recovered as sandy and fine to medium gravel.		
						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. Co-ordinates from hand held GPS, hole not surveyed in.									
Stability: 1. The sides of the trial pit remained stable during excavation.									

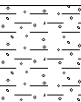
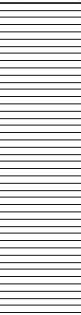
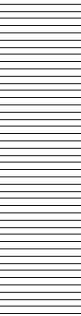
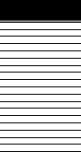


				Trial Pit Log			Trialpit No TT103(S) Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432482.00 - 404442.00 Level:		Date 16/04/2021	
Location: Dodworth						Dimensions (m): 14 9.0		Scale 1:25	
Client: The Wentworth Trustees						Depth 4.70		Logged LEW	
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.30			Dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)		
							Firm orangish brown mottled grey CLAY. (COHESIVE RESIDUAL SOIL)		
				1.80			Stiff light brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine of mudstone. (COHESIVE RESIDUAL SOIL)		
				3.80			Dark grey slightly sandy angular tabular fine to coarse GRAVEL of carbonaceous mudstone. (GRANULAR RESIDUAL SOIL)		
				4.70		End of pit at 4.70 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. Co-ordinates from hand held GPS, hole not surveyed in.									
Stability: 1. The sides of the trial pit remained stable during excavation.									



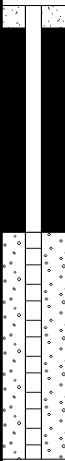
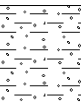
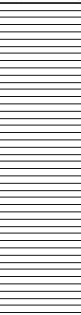
Appendix G

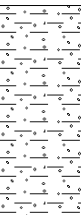
Borehole Logs

					Borehole Log			Borehole No. PH01 Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432244.80 - 404434.52		Hole Type PH
Location: Dodworth					Level: 100.00		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 08/06/2020 - 08/06/2020				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.30	98.70		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
									3
									4
									5
					5.50	94.50		Black COAL. (HAIGH MOOR COAL)	6
					6.00	94.00		Grey MUDSTONE and SILTSTONE with rare SANDSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	7
									8
									9
									10
									11
									12
									13
									14
									15
					16.30	83.70		Black COAL. (LIDGET COAL)	16
					17.00	83.00		Grey MUDSTONE and SILTSTONE with rare SANDSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	17
									18
					19.00	81.00	End of borehole at 19.00 m		
								20	

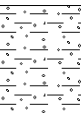
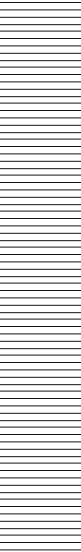
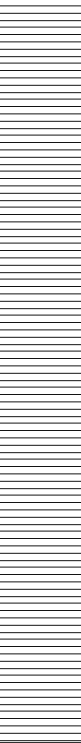
Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.



				Borehole Log				Borehole No. PH01A Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432245.42 - 404436.37		Hole Type PH	
Location: Dodworth				Level: 100.05		Scale 1:100			
Client: The Wentworth Trustees				Dates: 08/06/2020 - 08/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.30	98.75		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
					5.50	94.55		Black COAL.	5
					6.00	94.05		(HAIGH MOOR COAL)	6
End of borehole at 6.00 m									6
									7
									8
									9
									10
									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 apparent during drilling. 3. Flush returns maintained throughout drilling.									

					Borehole Log			Borehole No. PH02 Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432198.61 - 404376.02		Hole Type PH
Location: Dodworth					Level: 100.10		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 08/06/2020 - 08/06/2020				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					2.90	97.20		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
								Grey MUDSTONE and SILTSTONE with rare SANDSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
									3
					4				
					5				
					6				
					7				
					8				
					9				
					10				
					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 apparent during drilling. 3. Flush returns maintained throughout drilling.									

					Borehole Log			Borehole No. PH03 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432235.96 - 404338.29		Hole Type PH
Location: Dodworth					Level: 97.15		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 08/06/2020 - 08/06/2020				

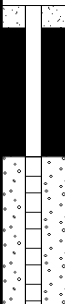
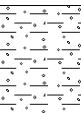
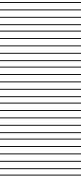
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.50	95.65		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1	
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2	
									3	
									4	
									5	
									6	
									7	
									8	
									9	
						9.00	88.15		Black COAL. (LIDGET COAL)	10
						10.10	87.05		Grey MUDSTONE and SILTSTONE with rare SANDSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	11
									12	
									13	
									14	
									15	
									16	
									17	
									18	
									19	
									20	

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Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater encountered at 27.0m bgl. 3. Flush returns maintained throughout drilling.



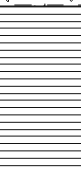
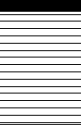
					Borehole Log			Borehole No. PH03 Sheet 2 of 2			
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432235.96 - 404338.29		Hole Type PH		
Location: Dodworth					Level: 97.15		Scale 1:100		Logged By LT		
Client: The Wentworth Trustees					Dates: 08/06/2020 - 08/06/2020						
Well	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	
										31	
										32	
										33	
										34	
										35	
										36	
										37	
										38	
										39	
										40	
End of borehole at 33.00 m											
Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater encountered at 27.0m bgl. 3. Flush returns maintained throughout drilling.											
											

				Borehole Log				Borehole No. PH03A Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432234.32 - 404339.35		Hole Type PH	
Location: Dodworth				Level: 97.25		Scale 1:100			
Client: The Wentworth Trustees				Dates: 08/06/2020 - 08/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.50	95.75		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
					4.00	93.25		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
								End of borehole at 4.00 m	3
									4
									5
									6
									7
									8
									9
									10
									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 apparent during drilling. 3. Flush returns maintained throughout drilling.									

					Borehole Log			Borehole No. PH04 Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432259.04 - 404383.38		Hole Type PH
Location: Dodworth					Level: 97.60		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 08/06/2020 - 08/06/2020				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.00	96.60		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
									3
									4
									5
									6
									7
									8
									9
									10
					10.20	87.40		Black COAL. (LIDGET COAL)	11
					11.00	86.60		Grey MUDSTONE and SILTSTONE with rare SANDSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	12
									13
					14.00	83.60	End of borehole at 14.00 m		
								15	
								16	
								17	
								18	
								19	
								20	

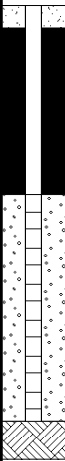
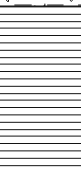
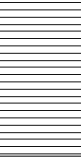
Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.		
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				Borehole Log				Borehole No. PH05 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432283.96 - 404410.24		Hole Type PH	
Location: Dodworth				Level: 96.75		Scale 1:100			
Client: The Wentworth Trustees				Dates: 09/06/2020 - 09/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.20	95.55		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
								Grey MUDSTONE and SILTSTONE with rare SANDSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
					3.50	93.25		Black COAL. (HAIGH MOOR COAL)	3
					3.70	93.05		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	4
									5
									6
									7
									8
									9
									10
									11
									12
									13
									14
									15
									16
									17
					17.40	79.35		Black COAL. (LIDGET COAL)	18
					18.50	78.25		Grey MUDSTONE and SILTSTONE with rare SANDSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	19
									20

Continued on next sheet

Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.		
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					Borehole Log			Borehole No. PH05 Sheet 2 of 2			
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432283.96 - 404410.24		Hole Type PH		
Location: Dodworth					Level: 96.75		Scale 1:100		Logged By LT		
Client: The Wentworth Trustees					Dates: 09/06/2020 - 09/06/2020						
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
					21.50	75.25		End of borehole at 21.50 m	21		
									22		
									23		
									24		
									25		
									26		
									27		
									28		
									29		
									30		
									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. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.											

				Borehole Log				Borehole No. PH05A Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432284.15 - 404409.23		Hole Type PH	
Location: Dodworth				Level: 96.70		Scale 1:100			
Client: The Wentworth Trustees				Dates: 09/06/2020 - 09/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.20	95.50		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
								Grey MUDSTONE and SILTSTONE with rare SANDSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
					3.50 3.70	93.20 93.00		Black COAL. (HAIGH MOOR COAL)	4
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	5
					6.00	90.70		End of borehole at 6.00 m	6
									7
									8
									9
									10
									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 apparent during drilling. 3. Flush returns maintained throughout drilling.



					Borehole Log			Borehole No. PH06 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432311.10 - 404445.21		Hole Type PH
Location: Dodworth					Level: 98.60		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 09/06/2020 - 09/06/2020				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.20	97.40		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
									3
									4
									5
									6
									7
									8
									9
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
					18.90 19.10	79.70 79.50		Black COAL. (LIDGET COAL) Grey MUDSTONE and SILTSTONE.	

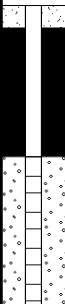
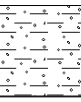
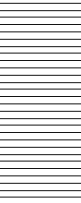
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Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater encountered at 20.0m bgl. 3. Flush returns maintained throughout drilling.



					Borehole Log			Borehole No. PH06 Sheet 2 of 2			
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432311.10 - 404445.21		Hole Type PH		
Location: Dodworth					Level: 98.60		Scale 1:100		Logged By LT		
Client: The Wentworth Trustees					Dates: 09/06/2020 - 09/06/2020						
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
					24.00	74.60		(MIDDLE COAL MEASURES - INTERBEDDED)	21		
									22		
									23		
									24		
									25		
									26		
									27		
									28		
									29		
									30		
									31		
									32		
									33		
									34		
									35		
									36		
									37		
									38		
									39		
									40		
									End of borehole at 24.00 m		
Remarks											
1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater encountered at 20.0m bgl. 3. Flush returns maintained throughout drilling.											

				Borehole Log				Borehole No. PH06A Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432311.50 - 404443.51		Hole Type PH	
Location: Dodworth				Level: 98.55		Scale 1:100			
Client: The Wentworth Trustees				Dates: 09/06/2020 - 09/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.20	97.35		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)
					4.00	94.55		End of borehole at 4.00 m	4
									5
									6
									7
									8
									9
									10
									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 apparent during drilling. 3. Flush returns maintained throughout drilling.									

					Borehole Log			Borehole No. PH07 Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432330.95 - 404307.83		Hole Type PH
Location: Dodworth					Level: 92.05		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 09/06/2020 - 09/06/2020				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							OVERBURDEN: Gravel and clay. (OVERBURDEN)	1	
					1.50	90.55		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
					2.20	89.85		Black COAL. (HAIGH MOOR COAL)	3
					3.00	89.05		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	4
									5
									6
									7
									8
									9
									10
									11
									12
									13
									14
									15
									16
									17
					12.80	79.25		Black COAL. (LIDGET COAL)	18
				13.30	78.75		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	19	
				18.00	74.05		End of borehole at 18.00 m	20	

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.



					Borehole Log			Borehole No. PH08 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432372.95 - 404304.49		Hole Type PH
Location: Dodworth					Level: 89.75		Scale 1:100		
Client: The Wentworth Trustees					Dates: 09/06/2020 - 09/06/2020		Logged By LT		

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
								OVERBURDEN: Gravel and clay. (OVERBURDEN)	1	
					1.50	88.25		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2	
					2.70	87.05		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	3	
					3.50	86.25		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	4	
										5
										6
										7
										8
										9
										10
									11	
										12
										13
										14
										15
										16
										17
										18
										19
										20

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Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Water noted in base of borehole on completion of drilling. 3. Flush returns maintained throughout drilling.



PH08

Sheet 2 of 2

Project No.
1979

Co-ords: 432372.95 - 404304.49

Hole Type
PH

Location: Dodworth

Level: 89.75

Scale
1:100

Client: The Wentworth Trustees

Dates: 09/06/2020 - 09/06/2020

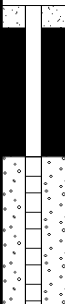
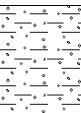
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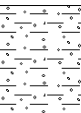
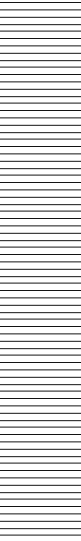
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Remarks

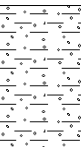
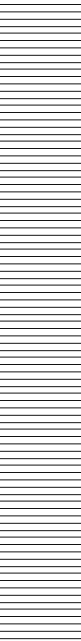
1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Water noted in base of borehole on completion of drilling. 3. Flush returns maintained throughout drilling.



				Borehole Log				Borehole No. PH08A Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432371.64 - 404303.61		Hole Type PH	
Location: Dodworth				Level: 89.85		Scale 1:100			
Client: The Wentworth Trustees				Dates: 09/06/2020 - 09/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.50	88.35		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
					2.70	87.15		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
					3.50	86.35		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	3
					4.00	85.85		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	4
		End of borehole at 4.00 m							
									6
									7
									8
									9
									10
									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 apparent during drilling. 3. Flush returns maintained throughout drilling.									

					Borehole Log			Borehole No. PH09 Sheet 1 of 2		
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432403.11 - 404336.74		Hole Type PH	
Location: Dodworth					Level: 89.25		Scale 1:100			
Client: The Wentworth Trustees					Dates: 09/06/2020 - 09/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.50	87.75		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1	
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
										3
										4
										5
										6
										7
										8
										9
										10
										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. Groundwater encountered at 27.0m bgl. 3. Flush returns maintained throughout drilling.										
										

					Borehole Log			Borehole No. PH09 Sheet 2 of 2			
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432403.11 - 404336.74		Hole Type PH		
Location: Dodworth					Level: 89.25		Scale 1:100		Logged By LT		
Client: The Wentworth Trustees					Dates: 09/06/2020 - 09/06/2020						
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		
									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. Groundwater encountered at 27.0m bgl. 3. Flush returns maintained throughout drilling.											

					Borehole Log			Borehole No. PH10 Sheet 1 of 2		
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432336.76 - 404347.95		Hole Type PH	
Location: Dodworth					Level: 92.35		Scale 1:100		Logged By LT	
Client: The Wentworth Trustees					Dates: 09/06/2020 - 09/06/2020					
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.90	90.45		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1	
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2	
									3	
									4	
									5	
									6	
									7	
									8	
									9	
									10	
					10.50	81.85				
					11.10	81.25				
Continued on next sheet								20		

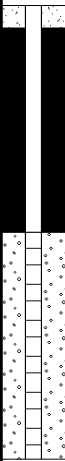
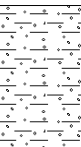
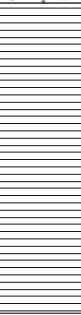
Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater encountered at 12.0m bgl. 3. Flush returns maintained throughout drilling.

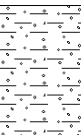
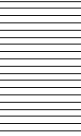
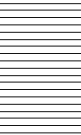
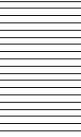


					Borehole Log			Borehole No. PH10 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432336.76 - 404347.95		Hole Type PH
Location: Dodworth					Level: 92.35		Scale 1:100		
Client: The Wentworth Trustees					Dates: 09/06/2020 - 09/06/2020		Logged By LT		

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					21.00	71.35		Black COAL. (LIDGET COAL)	21
					21.70	70.65		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	22
					27.00	65.35	End of borehole at 27.00 m		27
									28
									29
									30
									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. Groundwater encountered at 12.0m bgl. 3. Flush returns maintained throughout drilling.								
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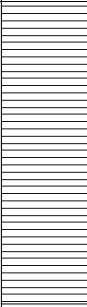
				Borehole Log				Borehole No. PH10A Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432337.90 - 404347.49		Hole Type PH	
Location: Dodworth				Level: 92.20		Scale 1:100			
Client: The Wentworth Trustees				Dates: 09/06/2020 - 09/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.90	90.30		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
					6.00	86.20		End of borehole at 6.00 m	6
									7
									8
									9
									10
									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 apparent during drilling. 3. Flush returns maintained throughout drilling.									

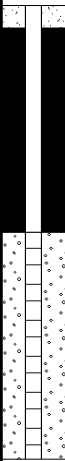
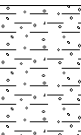
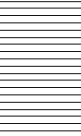
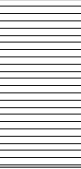
					Borehole Log			Borehole No. PH11 Sheet 1 of 2		
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432373.69 - 404370.55		Hole Type PH	
Location: Dodworth					Level: 92.80		Scale 1:100		Logged By LT	
Client: The Wentworth Trustees					Dates: 09/06/2020 - 09/06/2020					
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.80	91.00		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1	
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
									From 3.6m to 3.7m Black COAL.	3
										4
										5
										6
						6.50	86.30		Soft and damp poor quality COAL with clay. (MIDDLE COAL MEASURES - COAL)	7
					7.00	85.80			Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	8
										9
										10
										11
										12
										13
										14
										15
										16
						17.20	75.60		Black COAL. (LIDGET COAL)	17
						18.00	74.80		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	18
										19
										20

Continued on next sheet
20

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater encountered at 6.5m bgl. 3. Flush returns maintained throughout drilling.



					Borehole Log			Borehole No. PH11 Sheet 2 of 2			
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432373.69 - 404370.55		Hole Type PH		
Location: Dodworth					Level: 92.80		Scale 1:100		Logged By LT		
Client: The Wentworth Trustees					Dates: 09/06/2020 - 09/06/2020						
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
					24.00	68.80			21		
									22		
									23		
									24		
									25		
									26		
									27		
									28		
									29		
									30		
									31		
									32		
									33		
									34		
									35		
									36		
									37		
									38		
									39		
									40		
									End of borehole at 24.00 m		
Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater encountered at 6.5m bgl. 3. Flush returns maintained throughout drilling.											
											

				Borehole Log				Borehole No. PH11A Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432372.99 - 404369.97		Hole Type PH		
Location: Dodworth				Level: 92.70		Scale 1:100				
Client: The Wentworth Trustees				Dates: 09/06/2020 - 09/06/2020		Logged By LT				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.80	90.90		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1	
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
									From 3.6m to 3.7m Black COAL.	3
										4
										5
						6.00	86.70			6
									End of borehole at 6.00 m	7
										8
										9
										10
										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 apparent during drilling. 3. Flush returns maintained throughout drilling.										

					Borehole Log			Borehole No. PH12 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432432.47 - 404373.36		Hole Type PH
Location: Dodworth					Level: 91.65		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 09/06/2020 - 09/06/2020				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							OVERBURDEN: Gravel and clay. (OVERBURDEN)		
					2.50	89.15			
							Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED) <i>At 2.9m, flash of coal.</i>		
					6.00 6.10	85.65 85.55			
							Dark grey organic MUDSTONE with some coal. (MIDDLE COAL MEASURES - MUDSTONE) Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)		
					15.50 16.10	76.15 75.55			
							Black COAL. (HAIGH MOOR COAL) Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)		
Continued on next sheet									

Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater encountered at 21.0m bgl. 3. Flush returns maintained throughout drilling.		
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					Borehole Log			Borehole No. PH12 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432432.47 - 404373.36		Hole Type PH
Location: Dodworth					Level: 91.65		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 09/06/2020 - 09/06/2020				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
	▼				24.60	67.05			21
					25.30	66.35			22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
					33.00	58.65			33
									34
									35
									36
									37
									38
									39
									40

21
22
23
24
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26
27
28
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35
36
37
38
39
40

Black COAL.
(LIDGET COAL)
 Grey MUDSTONE and SILTSTONE.
(MIDDLE COAL MEASURES - INTERBEDDED)

End of borehole at 33.00 m

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater encountered at 21.0m bgl. 3. Flush returns maintained throughout drilling.



					Borehole Log			Borehole No. PH13 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432461.48 - 404384.26		Hole Type PH
Location: Dodworth					Level: 91.90		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 09/06/2020 - 09/06/2020				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							OVERBURDEN: Gravel and clay. (OVERBURDEN)	1	
				2.30	89.60		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2	
				5.50	86.40		Black COAL. (SWALLOW WOOD COAL)	3	
				6.00	85.90		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	4	
								5	
								6	
								7	
								8	
								9	
								10	
								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. Groundwater encountered at 12.0m bgl. 3. Flush returns maintained throughout drilling.



					Borehole Log			Borehole No. PH13 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432461.48 - 404384.26		Hole Type PH
Location: Dodworth					Level: 91.90		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 09/06/2020 - 09/06/2020				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
									21
									22
									23
									24
		24.50				67.40			25
		25.00				66.90	 Black COAL. (LIDGET COAL) Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	26	
									27
									28
									29
		30.00				61.90		End of borehole at 30.00 m	30
									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. Groundwater encountered at 12.0m bgl. 3. Flush returns maintained throughout drilling.

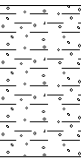
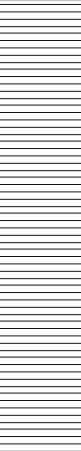


					Borehole Log			Borehole No. PH14 Sheet 1 of 2		
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432514.89 - 404428.54		Hole Type PH	
Location: Dodworth					Level: 94.25		Scale 1:100			
Client: The Wentworth Trustees					Dates: 10/06/2020 - 10/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
							OVERBURDEN: Gravel and clay. (OVERBURDEN)	1		
					2.00	92.25		Grey MUDSTONE and SILTSTONE with rare SANDSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2	
					4.60	89.65		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	3	
					5.20	89.05		Grey MUDSTONE and SILTSTONE with rare SANDSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	4	
									5	
									6	
									7	
									8	
									9	
					9.00	85.25		Black COAL. (SWALLOW WOOD COAL)	10	
					9.60	84.65		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	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. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.										

					Borehole Log			Borehole No. PH14 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432514.89 - 404428.54		Hole Type PH
Location: Dodworth					Level: 94.25		Scale 1:100		
Client: The Wentworth Trustees					Dates: 10/06/2020 - 10/06/2020		Logged By LT		
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					22.50	71.75		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	21
					24.50	69.75		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	22
					29.00	65.25		Black COAL. (LIDGET OR FLOCKTON THICK)	23
					29.70	64.55		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	24
					30.60	63.65			25
					31.00	63.25		Black COAL. (LIDGET OR FLOCKTON THICK)	26
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	27
									28
									29
								31	
								32	
								33	
								34	
					35.00	59.25		End of borehole at 35.00 m	35
									36
									37
									38
									39
									40

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.



					Borehole Log			Borehole No. PH15 Sheet 1 of 2				
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432461.39 - 404414.36		Hole Type PH			
Location: Dodworth					Level: 93.15		Scale 1:100		Logged By LT			
Client: The Wentworth Trustees					Dates: 10/06/2020 - 10/06/2020							
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description				
		Depth (m)	Type	Results								
					2.00	91.15		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1			
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2			
												3
												4
												5
												6
												7
												8
												9
												10
												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. Groundwater encountered at 10.0m bgl. 3. Flush returns maintained throughout drilling.



					Borehole Log			Borehole No. PH15 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432461.39 - 404414.36		Hole Type PH
Location: Dodworth					Level: 93.15		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 10/06/2020 - 10/06/2020				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
									21	
										22
										23
										24
										25
		25.40				67.75	 Black COAL. (LIDGET COAL)		26	
		26.20				66.95			27	
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	28	
									29	
									30	
						31				
					30.00	63.15	----- End of borehole at 30.00 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. Groundwater encountered at 10.0m bgl. 3. Flush returns maintained throughout drilling.		
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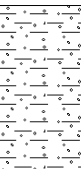
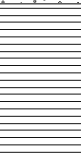
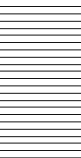


					Borehole Log			Borehole No. PH16 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432419.52 - 404405.70		Hole Type PH
Location: Dodworth					Level: 93.25		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 10/06/2020 - 10/06/2020				

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
								31	
								32	
								33	
								34	
								35	
								36	
								37	
								38	
								39	
								40	

End of borehole at 27.00 m							
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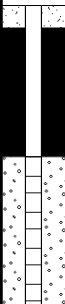
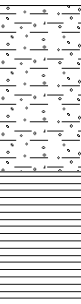
Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.								
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				Borehole Log				Borehole No. PH17 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432506.28 - 404385.58		Hole Type PH	
Location: Dodworth				Level: 92.35		Scale 1:100			
Client: The Wentworth Trustees				Dates: 10/06/2020 - 10/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					2.20	90.15		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
					4.50	87.85		Black COAL - poor quality with some clay. (SWALLOW WOOD COAL)	3
					4.70	87.65		Grey MUDSTONE and SILTSTONE with rare SANDSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	4
									5
									6
									7
									8
									9
									10
									11
									12
									13
					14.30	78.05		Dark grey organic MUDSTONE with rare coal. (HAIGH MOOR COAL)	14
					15.00	77.35		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	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. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.									

					Borehole Log			Borehole No. PH17 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432506.28 - 404385.58		Hole Type PH
Location: Dodworth					Level: 92.35		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 10/06/2020 - 10/06/2020				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					22.40	69.95		Black COAL. (LIDGET COAL) Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	21
					22.90	69.45			22
									23
									24
									25
									26
					27.00	65.35		End of borehole at 27.00 m	27
									28
									29
									30
									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. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.								
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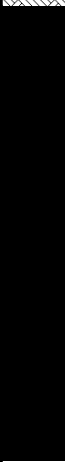
				Borehole Log				Borehole No. PH17A Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432504.97 - 404385.82		Hole Type PH	
Location: Dodworth				Level: 92.35		Scale 1:100			
Client: The Wentworth Trustees				Dates: 10/06/2020 - 10/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					2.20	90.15		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
					4.00	88.35		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
								End of borehole at 4.00 m	3
									4
									5
									6
									7
									8
									9
									10
									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 apparent during drilling. 3. Flush returns maintained throughout drilling.									

					Borehole Log			Borehole No. PH18 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432503.00 - 404441.49		Hole Type PH
Location: Dodworth					Level: 94.50		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 10/06/2020 - 10/06/2020				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							OVERBURDEN: Gravel and clay. (OVERBURDEN)	1	
				2.00	92.50		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2	
				3.40	91.10		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	3	
								4	
								5	
								6	
				6.90	87.60		Black COAL. (JOAN COAL)	7	
				7.50	87.00		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	8	
								9	
								10	
								11	
								12	
								13	
								14	
								15	
								16	
								17	
								18	
								19	
	Continued on next sheet								20

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns lost from 27.3m bgl.

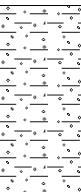
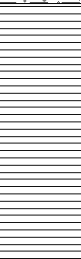
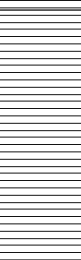
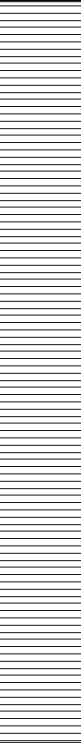


					Borehole Log			Borehole No. PH18 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432503.00 - 404441.49		Hole Type PH
Location: Dodworth					Level: 94.50		Scale 1:100		
Client: The Wentworth Trustees					Dates: 10/06/2020 - 10/06/2020		Logged By LT		

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
					22.00	72.50		Dark grey organic MUDSTONE. (FLOCKTON THICK COAL)	21		
					23.50	71.00		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	22		
					25.50	69.00		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	23		
					27.30	67.20		VOID. (WORKINGS)	24		
					28.40	66.10		Solid ground - no flush return. (MIDDLE COAL MEASURES - INTERBEDDED)	25		
					33.00	61.50		End of borehole at 33.00 m	26		
									27		
										28	
										29	
										30	
									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. Groundwater was not apparent during drilling. 3. Flush returns lost from 27.3m bgl.								
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					Borehole Log			Borehole No. PH19 Sheet 1 of 3	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432511.16 - 404455.61		Hole Type PH
Location: Dodworth					Level: 95.55		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 10/06/2020 - 10/06/2020				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					2.50	93.05		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1	
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
										3
										4
										5
						6.00	89.55		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	6
										7
										8
										9
						9.50	86.05		Black COAL.	10
						10.20	85.35		Grey MUDSTONE and SILTSTONE with rare SANDSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	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. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.		
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					Borehole Log			Borehole No. PH19 Sheet 2 of 3	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432511.16 - 404455.61		Hole Type PH
Location: Dodworth					Level: 95.55		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 10/06/2020 - 10/06/2020				

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
									31
									32
									33
									34
									35
									36
									37
									38
									39
						31.90 32.40	63.65 63.15	Dark grey organic MUDSTONE with some coal. (MIDDLE COAL MEASURES - MUDSTONE) Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	

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Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.		
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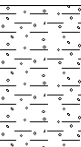
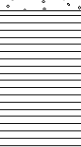
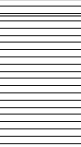
					Borehole Log			Borehole No. PH19 Sheet 3 of 3	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432511.16 - 404455.61		Hole Type PH
Location: Dodworth					Level: 95.55		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 10/06/2020 - 10/06/2020				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					42.00	53.55		End of borehole at 42.00 m	41
									42
									43
									44
									45
									46
									47
									48
									49
									50
									51
									52
									53
									54
									55
									56
									57
									58
									59
									60

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.



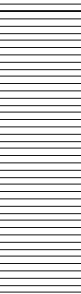
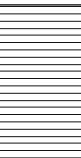
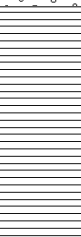
					Borehole Log			Borehole No. PH20 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432470.34 - 404451.80		Hole Type PH
Location: Dodworth					Level: 96.35		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 11/06/2020 - 11/06/2020				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							OVERBURDEN: Gravel and clay. (OVERBURDEN)	1	
				2.00	94.35		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2	
				4.00	92.35		Grey and brown MUDSTONE and SILTSTONE with rare SANDSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	3	
								4	
								5	
								6	
								7	
								8	
								9	
								10	
								11	
								12	
								13	
								14	
								15	
								16	
								17	
								18	
								19	
								20	

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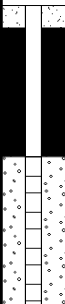
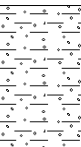
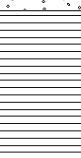
Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns lost from 27.0m bgl.



					Borehole Log			Borehole No. PH20 Sheet 2 of 2		
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432470.34 - 404451.80		Hole Type PH	
Location: Dodworth					Level: 96.35		Scale 1:100			
Client: The Wentworth Trustees					Dates: 11/06/2020 - 11/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					20.10	76.25		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)		
					21.10	75.25			Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	21
										22
										23
										24
						24.90	71.45		Dark grey organic MUDSTONE with some SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	25
										26
						27.00	69.35		BROKEN GROUND - no flush return. (WORKINGS)	27
						27.90	68.45			Solid ground - no flush return. (MIDDLE COAL MEASURES - INTERBEDDED)
										29
							30			
							31			
				31.00	65.35	End of borehole at 31.00 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. Groundwater was not apparent during drilling. 3. Flush returns lost from 27.0m bgl.



				Borehole Log				Borehole No. PH20A Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432469.05 - 404451.89		Hole Type PH	
Location: Dodworth				Level: 96.45		Scale 1:100			
Client: The Wentworth Trustees				Dates: 11/06/2020 - 11/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					2.00	94.45		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
					4.00	92.45		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	2
								End of borehole at 4.00 m	3
									4
									5
									6
									7
									8
									9
									10
									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 apparent during drilling. 3. Flush returns maintained throughout drilling.									

					Borehole Log			Borehole No. PH21 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432410.84 - 404437.45		Hole Type PH
Location: Dodworth					Level: 95.15		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 11/06/2020 - 11/06/2020				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							OVERBURDEN: Gravel and clay. (OVERBURDEN)	1	
				2.30	92.85		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2	
								3	
								4	
								5	
								6	
								7	
								8	
								9	
				9.30	85.85		Black COAL. (SWALLOW WOOD COAL)	10	
				9.50	85.65		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	11	
								12	
								13	
								14	
								15	
								16	
								17	
				18.20	76.95		Black organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	18	
				18.30	76.85		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	19	
	Continued on next sheet								20

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.



					Borehole Log			Borehole No. PH21 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432410.84 - 404437.45		Hole Type PH
Location: Dodworth					Level: 95.15		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 11/06/2020 - 11/06/2020				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
									21	
										22
										23
										24
										25
		25.70				69.45				26
		26.30				68.85		Black COAL. (LIDGET COAL)		
								Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)		
		27.00				68.15		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)		27
										28
								29		
								30		
								31		
								32		
								33		
								34		
								35		
								36		
								37		
								38		
								39		
								40		

End of borehole at 30.00 m

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

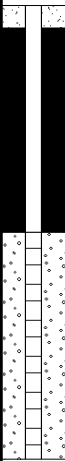
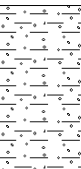
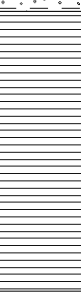
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38

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Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.	
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				Borehole Log				Borehole No. PH21A Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432411.37 - 404439.12		Hole Type PH	
Location: Dodworth				Level: 95.25		Scale 1:100			
Client: The Wentworth Trustees				Dates: 11/06/2020 - 11/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					2.30	92.95		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
					6.00	89.25		End of borehole at 6.00 m	3
									4
									5
									6
									7
									8
									9
									10
									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 apparent during drilling. 3. Flush returns maintained throughout drilling.									

					Borehole Log			Borehole No. PH22 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432370.00 - 404426.00		Hole Type PH
Location: Dodworth					Level:		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 11/06/2020 - 11/06/2020				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					2.20		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1	
							Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2	
								3	
								4	
								5	
								6	
								7	
								8	
								9	
					10.00 10.20		Black COAL. (SWALLOW WOOD COAL) Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	10	
								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. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.		
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					Borehole Log			Borehole No. PH22 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432370.00 - 404426.00		Hole Type PH
Location: Dodworth					Level:		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 11/06/2020 - 11/06/2020				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Flash of coal from 20.0 to 20.1 mbgl.	21
									22
									23
									24
									25
									26
									27
									28
									29
									30
						30.80			31
						31.60			32
									33
									34
									35
						36.00			36
									37
									38
									39
									40

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.



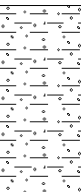
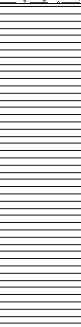
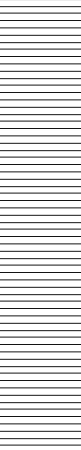
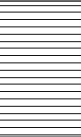
					Borehole Log			Borehole No. PH23 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432447.95 - 404447.77		Hole Type PH
Location: Dodworth					Level: 96.65		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 11/06/2020 - 11/06/2020				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							OVERBURDEN: Gravel and clay. (OVERBURDEN)	1	
				2.00	94.65		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2	
				4.10	92.55		Black COAL. (SWALLOW WOOD COAL)	4	
				4.30	92.35		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	5	
								6	
								7	
								8	
								9	
								10	
				10.50	86.15		Black COAL with dark grey organic MUDSTONE. (HAIGH MOOR COAL)	11	
				10.70	85.95		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	12	
				12.80	83.85		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	13	
				13.50	83.15		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	14	
								15	
								16	
				17.00	79.65		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	17	
				18.50	78.15		Grey and brown MUDSTONE and SILTSTONE with rare SANDSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	19	
								20	

Continued on next sheet

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.



					Borehole Log			Borehole No. PH23 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432447.95 - 404447.77		Hole Type PH
Location: Dodworth					Level: 96.65		Scale 1:100		
Client: The Wentworth Trustees					Dates: 11/06/2020 - 11/06/2020		Logged By LT		
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					20.50	76.15		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	21
					21.20	75.45		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	22
					22.50	74.15		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	23
					23.50	73.15		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	24
									25
									26
									27
									28
									29
									30
									31
									32
					32.00	64.65	End of borehole at 32.00 m		
Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.									

					Borehole Log			Borehole No. PH24 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432401.61 - 404413.79		Hole Type PH
Location: Dodworth					Level: 94.10		Scale 1:100		
Client: The Wentworth Trustees					Dates: 11/06/2020 - 11/06/2020		Logged By LT		
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					2.50	91.60		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
					6.90	87.20		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	3
					7.50	86.60		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	4
									5
									6
									7
									8
									9
									10
									11
									12
									13
					13.50	80.60		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	14
					14.20	79.90		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	15
									16
					16.00	78.10		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	17
								Flash of coal from 16.9m to 17.0m bgl.	18
									19
									20
Continued on next sheet									
Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.									
									

					Borehole Log			Borehole No. PH24 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432401.61 - 404413.79		Hole Type PH
Location: Dodworth					Level: 94.10		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 11/06/2020 - 11/06/2020				

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
						26.90	67.20		27
						27.50	66.60		28
									29
									30
									31
									32
									33
									34
									35
									36
									37
									38
									39
									40

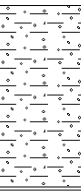
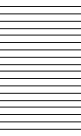
Black COAL.
(LIDGET COAL)

Grey MUDSTONE and SILTSTONE.
(MIDDLE COAL MEASURES - INTERBEDDED)

End of borehole at 31.00 m

Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.	
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				Borehole Log				Borehole No. PH25 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432361.93 - 404443.87		Hole Type PH	
Location: Dodworth				Level: 96.05		Scale 1:100			
Client: The Wentworth Trustees				Dates: 11/06/2020 - 11/06/2020		Logged By LT			

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					2.40	93.65		OVERBURDEN: Gravel and clay. (OVERBURDEN)	1	
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
					4.50	91.55			Black COAL with black organic mudstone. (SWALLOW WOOD COAL)	3
					4.60	91.45			Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	4
									Flash of organic mudstone from 5.6m to 5.8m bgl.	5
									Flash of coal from 7.5m to 7.6m bgl.	6
										7
										8
										9
										10
										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. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.		
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					Borehole Log			Borehole No. PH25 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432361.93 - 404443.87		Hole Type PH
Location: Dodworth					Level: 96.05		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 11/06/2020 - 11/06/2020				

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
		27.50				68.55	 Black COAL. (LIDGET COAL) Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	28	
		27.80				68.25		29	
									30
									31
									32
									33
									34
									35
		36.00				60.05		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. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.								
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					Borehole Log			Borehole No. PH26 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432035.00 - 404386.00		Hole Type PH
Location: Dodworth					Level:		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 12/06/2020 - 12/06/2020				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.50			OVERBURDEN: Clay. (OVERBURDEN)	
					1.10			Black COAL - poor quality. (LIDGET COAL)	1
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
									3
									4
									5
									6
									7
									8
									9
									10
									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. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.		
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					Borehole Log			Borehole No. PH26 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432035.00 - 404386.00		Hole Type PH
Location: Dodworth					Level:		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 12/06/2020 - 12/06/2020				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					20.90			Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE) Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	21
					21.50				22
									23
									24
									25
									26
									27
									28
									29
					29.50			Brown SANDSTONE. (MIDDLE COAL MEASURES - SANDSTONE) End of borehole at 30.00 m	30
					30.00				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. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.





					Borehole Log			Borehole No. PH27 Sheet 2 of 2		
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432080.00 - 404407.00		Hole Type PH	
Location: Dodworth					Level:		Scale 1:100		Logged By LT	
Client: The Wentworth Trustees					Dates: 12/06/2020 - 12/06/2020					
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					23.90			Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	21	
										22
										23
										24
										25
						25.40			Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	26
										27
										28
										29
										30
										31
										32
										33
										34
										35
										36
										37
										38
										39
										40
							36.00		End of borehole at 36.00 m	

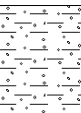
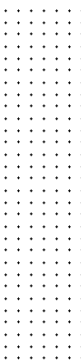
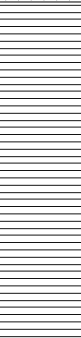
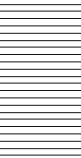
Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 33.0m bgl.
 3. Flush returns maintained throughout drilling.



				Borehole Log				Borehole No. PH28 Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432047.00 - 404447.00		Hole Type PH	
Location: Dodworth				Level:		Scale 1:100		Logged By LT	
Client: The Wentworth Trustees				Dates: 12/06/2020 - 12/06/2020					

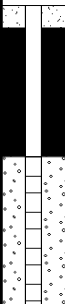
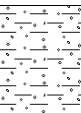
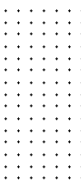
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.20		OVERBURDEN: Clay. (OVERBURDEN)	1	
							Brown SANDSTONE. (MIDDLE COAL MEASURES - SANDSTONE)	2	
					5.50		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	3	
								4	
								5	
					9.00		Black COAL. (LIDGET COAL)	6	
					9.50		Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	7	
								8	
					11.00		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	9	
								10	
								11	
								12	
								13	
								14	
					15.00		End of borehole at 15.00 m	15	
								16	
								17	
								18	
								19	
								20	

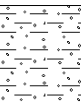
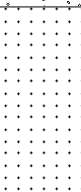
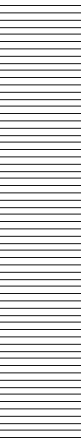
Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.									
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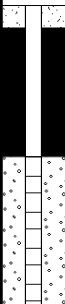
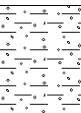
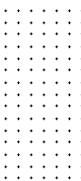
					Borehole Log			Borehole No. PH29 Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432042.00 - 404497.00		Hole Type PH
Location: Dodworth					Level:		Scale 1:100		Logged By LT
Client: The Wentworth Trustees					Dates: 12/06/2020 - 12/06/2020				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.50			OVERBURDEN: Clay. (OVERBURDEN)	1
								Brown SANDSTONE. (MIDDLE COAL MEASURES - SANDSTONE)	2
									3
									4
									5
									6
									7
									8
									9
									10
					6.50			Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	11
					11.10			Black COAL. (LIDGET COAL)	12
					11.70			Dark grey organic MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	13
								14	
					14.00			Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	15
								16	
								17	
					18.00			End of borehole at 18.00 m	18
								19	
								20	

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.



				Borehole Log				Borehole No. PH29A Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: -		Hole Type PH	
Location: Dodworth				Level:		Scale 1:100			
Client: The Wentworth Trustees				Dates: 12/06/2020 - 12/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.50			OVERBURDEN: Clay. (OVERBURDEN)	1
					4.00			Brown SANDSTONE. (MIDDLE COAL MEASURES - SANDSTONE)	2
							End of borehole at 4.00 m		3
									4
									5
									6
									7
									8
									9
									10
									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 apparent during drilling. 3. Flush returns maintained throughout drilling.									

				Borehole Log				Borehole No. PH30 Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432154.00 - 404373.00		Hole Type PH	
Location: Dodworth				Level:		Scale 1:100			
Client: The Wentworth Trustees				Dates: 12/06/2020 - 12/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.50		 OVERBURDEN: Clay. (OVERBURDEN)	1	
							 Brown SANDSTONE. (MIDDLE COAL MEASURES - SANDSTONE)	2	
					4.00		 Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	3	
								4	
								5	
								6	
								7	
								8	
					8.50		 Black COAL. (LIDGET COAL)	9	
					9.10		 Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	10	
								11	
								12	
								13	
								14	
					15.00		End of borehole at 15.00 m	15	
Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling. 3. Flush returns maintained throughout drilling.									

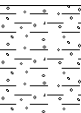
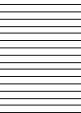
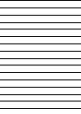
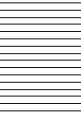
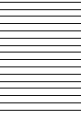
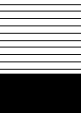
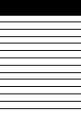
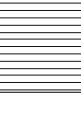
				Borehole Log				Borehole No. PH30A Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432158.00 - 404373.00		Hole Type PH	
Location: Dodworth				Level:		Scale 1:100			
Client: The Wentworth Trustees				Dates: 12/06/2020 - 12/06/2020		Logged By LT			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.50			OVERBURDEN: Clay. (OVERBURDEN)	1
					4.00			Brown SANDSTONE. (MIDDLE COAL MEASURES - SANDSTONE)	2
							End of borehole at 4.00 m		3
									4
									5
									6
									7
									8
									9
									10
									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 apparent during drilling. 3. Flush returns maintained throughout drilling.									

					Borehole Log			Borehole No. PH101 Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432349.08 - 404293.06		Hole Type PH
Location: Dodworth					Level: 91.75		Scale 1:100		
Client: The Wentworth Trustees					Dates: 03/03/2021 - 03/03/2021		Logged By LEW		
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Overburden.	1
					1.40	90.35		Black COAL with mudstone parting. (HAIGH MOOR COAL)	2
					2.00	89.75		Brown SANDSTONE. (MIDDLE COAL MEASURES - SANDSTONE)	3
									4
					4.20	87.55		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	5
									6
									7
									8
									9
									10
				10.70	81.05		Black COAL. (LIDGET COAL)	11	
				11.40	80.35		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	12	
								13	
								14	
				14.50	77.25	End of borehole at 14.50 m			15
									16
									17
									18
									19
									20

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling.



					Borehole Log			Borehole No. PH102 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432386.98 - 404313.11		Hole Type PH	
Location: Dodworth					Level: 88.20		Scale 1:100			
Client: The Wentworth Trustees					Dates: 03/03/2021 - 03/03/2021		Logged By LEW			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
										
					1.50	86.70		Overburden.	1	
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2	
					3.30	84.90		Black COAL with mudstone parting. (HAIGH MOOR COAL)	3	
					4.30	83.90		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	4	
									5	
									6	
									7	
									8	
									9	
									10	
									11	
					12.80	75.40		Wet black COAL with partial returns. (LIDGET COAL)	12	
					13.50	74.70		Grey MUDSTONE with partial returns. (MIDDLE COAL MEASURES - MUDSTONE)	13	
									14	
					16.00	72.20	End of borehole at 16.00 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 9.0m during drilling.

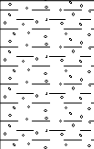
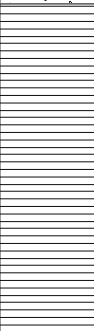
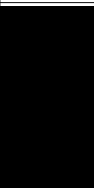


					Borehole Log			Borehole No. PH103 Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432368.23 - 404353.50		Hole Type PH
Location: Dodworth					Level: 91.40		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 03/03/2021 - 03/03/2021				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Overburden.	1	
					1.50	89.90		Grey MUDSTONE.	2
					1.80	89.60		(MIDDLE COAL MEASURES - MUDSTONE)	
					2.10	89.30		Black COAL.	
								(HAIGH MOOR COAL)	
								Grey MUDSTONE and SILTSTONE.	
								(MIDDLE COAL MEASURES - INTERBEDDED)	
									3
									4
									5
									6
									7
									8
									9
									10
									11
								12	
				12.90	78.50		Black COAL with mudstone parting.	13	
							(LIDGET COAL)		
				14.00	77.40		Grey MUDSTONE.	14	
							(MIDDLE COAL MEASURES - MUDSTONE)		
								15	
				16.00	75.40		End of borehole at 16.00 m	16	
								17	
								18	
								19	
								20	

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling.

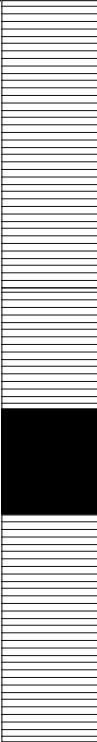


				Borehole Log				Borehole No. PH104 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432370E - 404309N		Hole Type PH+RC	
Location: Dodworth				Level: 89.50 m AOD		Scale 1:50			
Client: The Wentworth Trustees				Dates: 03/03/2021		Logged By LEW			

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
						89.50		Overburden.	
					1.00	88.50		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	1
					3.20	86.30		Black COAL with mudstone parting. (HAIGH MOOR COAL)	2 3 4
					4.40	85.10		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	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. Groundwater was not apparent during drilling.		
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				Borehole Log				Borehole No. PH104 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432370E - 404309N		Hole Type PH+RC	
Location: Dodworth				Level: 89.50 m AOD		Scale 1:50			
Client: The Wentworth Trustees				Dates: 03/03/2021		Logged By LEW			

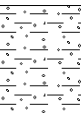
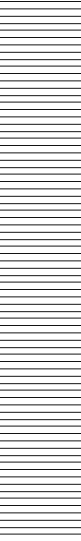
Well	Water Strikes	Sample and In Situ Testing					Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results							
		12.00 - 15.00	23	2	0	12.00	77.50		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	11	
									Logged from arisings - Very weak grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	12	
						12.80	76.70		Logged from arisings - Very weak black COAL. (LIDGET COAL)	13	
						13.50	76.00		Very weak grey thinly laminated MUDSTONE. Discontinuities: Extremely to very closely spaced, subhorizontal and subvertical, planar, partly open to open with grey clay infill. (MIDDLE COAL MEASURES - MUDSTONE)	14	
						15.00	74.50		No erratic/irregular penetration noted or loss of flush during drilling. Poor recovery likely due to extremely weathered nature of rock/coal. End of Borehole at 15.000m	15	
										16	
										17	
										18	
										19	
										20	

Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling.									
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Probeghole PH104 – Box 1 of 1 (12.0m to 15.0m)

					Borehole Log			Borehole No. PH105 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432397.68 - 404336.63		Hole Type PH
Location: Dodworth					Level: 89.25		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 03/03/2021 - 03/03/2021				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.50	87.75		Overburden.	1	
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
										3
										4
										5
										6
										7
										8
										9
					9.50	79.75		Black COAL. (HAIGH MOOR COAL)	10	
					10.50	78.75		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	11	
										12
										13
										14
										15
										16
										17
					17.90	71.35		Black COAL. (LIDGET COAL)	18	
					18.70	70.55		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	19	
Continued on next sheet								20		

Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 2.5m during drilling.		
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					Borehole Log			Borehole No. PH105 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432397.68 - 404336.63		Hole Type PH
Location: Dodworth					Level: 89.25		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 03/03/2021 - 03/03/2021				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					20.50	68.75		End of borehole at 20.50 m	21 22 23 24 25 26 27 28 29 30 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. Groundwater was encountered at 2.5m during drilling.								
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					Borehole Log			Borehole No. PH106 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432403.45 - 404372.72		Hole Type PH
Location: Dodworth					Level: 92.35		Scale 1:100		
Client: The Wentworth Trustees					Dates: 03/03/2021 - 03/03/2021		Logged By LEW		
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Overburden.	1	
					1.60	90.75		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	2
					4.30	88.05			3
					4.40	87.95		Black COAL. Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	4
									5
									6
					6.70	85.65		Black COAL. (HAIGH MOOR COAL)	7
					6.80	85.55		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	8
									9
									10
									11
									12
									13
									14
									15
									16
					17.00	75.35		Black COAL. (LIDGET COAL)	17
					17.60	74.75		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	18
									19
									20

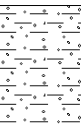
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Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 8.0m during drilling.



					Borehole Log			Borehole No. PH106 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432403.45 - 404372.72		Hole Type PH
Location: Dodworth					Level: 92.35		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 03/03/2021 - 03/03/2021				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					20.50	71.85		----- End of borehole at 20.50 m	21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									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. Groundwater was encountered at 8.0m during drilling.									

					Borehole Log			Borehole No. PH107 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432312.94 - 404360.05		Hole Type PH
Location: Dodworth					Level: 93.70		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 04/03/2021 - 04/03/2021				

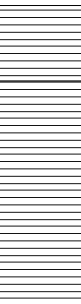
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.60	92.10		Overburden.	1	
									Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	2
										3
										4
										5
										6
										7
										8
										9
										10
										11
										12
										13
										14
										15
										16
										17
										18
										19
										20

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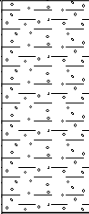
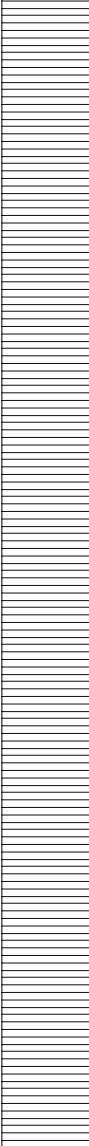
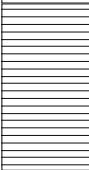
Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 9.0m during drilling.



					Borehole Log			Borehole No. PH107 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432312.94 - 404360.05		Hole Type PH
Location: Dodworth					Level: 93.70		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 04/03/2021 - 04/03/2021				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					21.00	72.70		Grey MUDSTONE with COAL trace with partial returns. (MIDDLE COAL MEASURES - MUDSTONE)	21
									22
					24.00	69.70		End of borehole at 24.00 m	23
									24
									25
									26
									27
									28
									29
									30
									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. Groundwater was encountered at 9.0m during drilling.		
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							Borehole Log				Borehole No. PH108 Sheet 1 of 2		
Project Name: Smithy Wood Lane, Dodworth							Project No. 1979		Co-ords: 432346E - 404342N			Hole Type PH+RC	
Location: Dodworth							Level: 91.50 m AOD			Scale 1:50			
Client: The Wentworth Trustees							Dates: 04/03/2021			Logged By LEW			
Well	Water Strikes	Sample and In Situ Testing					Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results									
							91.50		Overburden.	1			
							1.40	90.10		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	2		
							9.00	82.50 82.50		Logged from arisings - Very weak grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	9		
			FI	TCR	SCR	RQD					10		
Remarks													
1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 6.0m during drilling.													

				Rotary Core Log				Borehole No. PH108 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432346.02 - 404342.16		Hole Type PH+RC	
Location: Dodworth				Level: 91.50		Scale 1:50			
Client: The Wentworth Trustees				Dates: 04/03/2021		Logged By LEW			

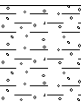
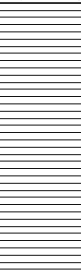
Well	Water Strikes	Depth (m)	Type /FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
		9.00 - 12.00		19	6	0	10.20	81.30		Logged from arisings - Very weak grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	11
							10.70	80.80		Logged from arisings - Very weak black COAL. (HAIGH MOOR COAL)	
			0							Very weak grey thinly laminated MUDSTONE. Discontinuities: Extremely to very closely spaced, subhorizontal, partly open with grey clay infill. (MIDDLE COAL MEASURES - MUDSTONE)	
			30				11.80	79.70		Moderately weak dark grey thinly laminated carbonaceous MUDSTONE. Discontinuities: Very to closely spaced, subhorizontal, planar, closed, clean. (MIDDLE COAL MEASURES - MUDSTONE)	12
						12.00	79.50	<i>No erratic/irregular penetration noted or loss of flush during drilling. Poor recovery likely due to extremely weathered nature of rock/coal.</i> End of Borehole at 12.000m		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 encountered at 6.0m during drilling.		
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Probeghole PH108 – Box 1 of 1 (9.0m to 12.0m)

					Borehole Log			Borehole No. PH109 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432330.99 - 404392.62		Hole Type PH
Location: Dodworth					Level: 94.10		Scale 1:100		
Client: The Wentworth Trustees					Dates: 04/03/2021 - 04/03/2021		Logged By LEW		

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.30	92.80		Overburden.	1	
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
										3
										4
						4.90 5.10	89.20 89.00		Dark grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE) Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	5
										6
										7
						8.00 8.10	86.10 86.00		Dark grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE) Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	8
										9
										10
								11		
								12		
								13		
								14		
								15		
								16		
								17		
								18		
				18.80	75.30		Black COAL with mudstone parting. (LIDGET COAL)	19		
				19.50	74.60		Grey MUDSTONE and SILTSTONE.	20		

Continued on next sheet

Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 9.0m during drilling.		
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					Borehole Log			Borehole No. PH109 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432330.99 - 404392.62		Hole Type PH
Location: Dodworth					Level: 94.10		Scale 1:100		
Client: The Wentworth Trustees					Dates: 04/03/2021 - 04/03/2021		Logged By LEW		
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					20.50	73.60		(MIDDLE COAL MEASURES - INTERBEDDED) ----- End of borehole at 20.50 m	21 22 23 24 25 26 27 28 29 30 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. Groundwater was encountered at 9.0m during drilling.									

					Borehole Log			Borehole No. PH110 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432363.23 - 404414.84		Hole Type PH
Location: Dodworth					Level: 95.80		Scale 1:100		
Client: The Wentworth Trustees					Dates: 04/03/2021 - 04/03/2021		Logged By LEW		
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Overburden.	1
					1.10	94.70		Grey SILTSTONE. (MIDDLE COAL MEASURES - SILTSTONE)	2
					2.85	92.95		Hard grey SILTSTONE. (MIDDLE COAL MEASURES - SILTSTONE)	3
					3.80	92.00		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	4
									5
									6
									7
									8
									9
					9.30	86.50		Black COAL. (SWALLOW WOOD COAL)	10
					9.80	86.00		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	11
									12
									13
									14
									15
									16
					16.80 16.90	79.00 78.90		Dark grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE) Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	17
									18
								19	
				20.00	75.80			20	
Continued on next sheet									

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 7.0m during drilling.

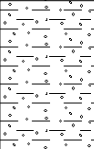


					Borehole Log			Borehole No. PH110 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432363.23 - 404414.84		Hole Type PH
Location: Dodworth					Level: 95.80		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 04/03/2021 - 04/03/2021				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					20.20	75.60		Dark grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	
					21.00	74.80		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	21
					22.00	73.80		Hard grey SILTSTONE. (MIDDLE COAL MEASURES - SILTSTONE)	22
								Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	23
									24
									25
									26
									27
									28
									29
				30.70	65.10		Black COAL. (LIDGET COAL)	31	
				31.40	64.40		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	32	
				32.50	63.30	End of borehole at 32.50 m			
								33	
								34	
								35	
								36	
								37	
								38	
								39	
								40	

Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 7.0m during drilling.		
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				Borehole Log				Borehole No. PH111 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432399E - 404416N		Hole Type PH+RC	
Location: Dodworth				Level: 94.25 m AOD		Scale 1:50			
Client: The Wentworth Trustees				Dates: 04/03/2021		Logged By LEW			

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
						94.25		Overburden.	
					1.00	93.25		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	1
									2
									3
									4
									5
									6
									7
					7.30	86.95		Dark grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	
					7.50	86.75		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	8
									9
									10
								Continued on Next Sheet	

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 6.0m during drilling.



Borehole Log

Borehole No.

PH111

Sheet 2 of 2

Project Name:

Smithy Wood Lane, Dodworth

Project No.

1979

Co-ords:

432399E - 404416N

Hole Type

PH+RC

Location:

Dodworth

Level:

94.25 m AOD

Scale

1:50

Client:

The Wentworth Trustees

Dates:

04/03/2021

Logged By

LEW

Well	Water Strikes	Sample and In Situ Testing					Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results							
										Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	11
											12
											13
		13.00 - 14.50	50	93	31	15	13.00	81.25		Very weak to weak grey thinly laminated MUDSTONE. Discontinuities: Very close to closely spaced, subhorizontal, planar, partly open with grey clay infill. (MIDDLE COAL MEASURES - MUDSTONE)	14
			0				14.40	79.85		Between 13.0m and 13.2m, extremely closely spaced fractures.	
			0				14.50	79.75		At 13.5m, wide fracture with grey clay infill.	
							14.80	79.45		Between 13.5m and 13.6m, set of subvertical planar closed clean fractures (possibly drilling induced).	
		14.50 - 16.00	40	95	52	19				Moderately weak dark grey thinly laminated carbonaceous MUDSTONE. Discontinuities: Extremely closely spaced subhorizontal and subvertical, closed, clean. (MIDDLE COAL MEASURES - MUDSTONE)	15
										Soft grey and orangish brown slightly sandy slightly gravelly CLAY.	
										Between 14.5m and 14.8m, likely collapsed material.	
								Weak grey thinly laminated MUDSTONE. Discontinuities: Very close to closely spaced, subhorizontal, planar (occasionally undulating), closed to partly open with grey clay infill. (MIDDLE COAL MEASURES - MUDSTONE)	16		
								Between 14.8m and 14.9m, bed of stiff dark grey clay.			
								Between 15.4m and 15.45m, extremely closely spaced fractures recovered as sandy angular fine to medium gravel.	17		
										18	
										19	
										20	

End of Borehole at 16.000m

FI

TCR

SCR

RQD

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out.
2. Groundwater was encountered at 6.0m during drilling.



Probeghole PH111 – Box 1 of 1 (13.0m to 16.0m)



Borehole Log

Borehole No.
PH112

Sheet 1 of 3

Project Name: Smithy Wood Lane, Dodworth

Project No. 1979

Co-ords: 432366E - 404376N

Hole Type
PH+RC

Location: Dodworth

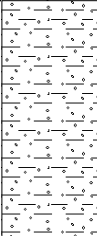
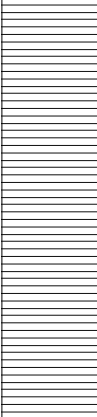
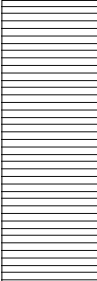
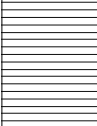
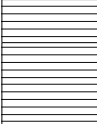
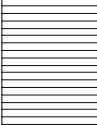
Level: 93.10 m AOD

Scale
1:50

Client: The Wentworth Trustees

Dates: 05/03/2021

Logged By
LEW

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
						93.10		Overburden.	1
					1.60	91.50		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
					4.50	88.60		Black COAL.	3
					4.60	88.50		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	4
					6.50	86.60		Very weak grey thinly laminated MUDSTONE. Discontinuities: Extremely to very closely spaced, subhorizontal and subvertical, undulating, partly open with grey clay infill. (MIDDLE COAL MEASURES - MUDSTONE)	5
					7.40	85.70		From 6.7m, localised orangish brown staining on surfaces and pervasive to 10mm.	6
					7.70	85.40		Logged from arisings - Very weak black COAL. (HAIGH MOOR COAL)	7
					8.00	85.10		Very weak grey thinly laminated MUDSTONE. Discontinuities: Extremely to very closely spaced, subhorizontal and subvertical, undulating, partly open with grey clay infill. (MIDDLE COAL MEASURES - MUDSTONE)	8
								No erratic/irregular penetration noted or loss of flush during drilling. Poor recovery likely due to extremely weathered nature of rock/coal. Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	9
									10

Continued on Next Sheet

Remarks

1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 5.0m during drilling.

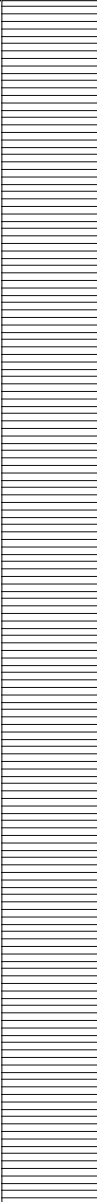
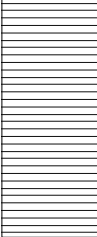




Borehole Log

Borehole No.
PH112
 Sheet 2 of 3

Project Name: Smithy Wood Lane, Dodworth		Project No. 1979	Co-ords: 432366E - 404376N	Hole Type PH+RC
Location: Dodworth			Level: 93.10 m AOD	Scale 1:50
Client: The Wentworth Trustees			Dates: 05/03/2021	Logged By LEW

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description							
		Depth (m)	Type	Results											
							Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	11							
								12							
								13							
								14							
								15							
								16							
								17							
								18							
								19							
								20							
												18.10	75.00		Black COAL. (LIDGET COAL)
											18.60	74.50		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	
							Continued on Next Sheet								

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 5.0m during drilling.

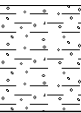


					Borehole Log				Borehole No. PH112 Sheet 3 of 3	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432366E - 404376N		Hole Type PH+RC	
Location: Dodworth					Level: 93.10 m AOD		Scale 1:50		Logged By LEW	
Client: The Wentworth Trustees					Dates: 05/03/2021					
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					20.50			Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE) End of Borehole at 20.50m		
									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. Groundwater was encountered at 5.0m during drilling.										



Probeghole PH112 – Box 1 of 1 (6.5m to 8.0m)

					Borehole Log			Borehole No. PH113 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432388.02 - 404400.69		Hole Type PH
Location: Dodworth					Level: 94.25		Scale 1:100		
Client: The Wentworth Trustees					Dates: 05/03/2021 - 05/03/2021		Logged By LEW		

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.40	92.85		Overburden.	1	
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
										3
										4
										5
										6
										7
										8
										9
										10
										11
										12
										13
										14
										15
										16
										17
										18
										19
										20

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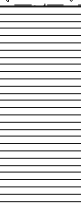
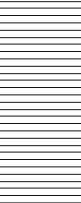
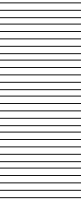
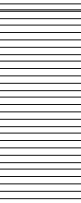


Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 5.0m during drilling.

					Borehole Log			Borehole No. PH113 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432388.02 - 404400.69		Hole Type PH
Location: Dodworth					Level: 94.25		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 05/03/2021 - 05/03/2021				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
									21	
										22
										23
										24
										25
		25.60				68.65				26
		26.30				67.95		Black COAL with mudstone parting. (LIDGET COAL)		27
								Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)		28
										29
										30
29.50				64.75			End of borehole at 29.50 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. Groundwater was encountered at 5.0m during drilling.		
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					Borehole Log			Borehole No. PH114 Sheet 1 of 2		
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432473.56 - 404400.37		Hole Type PH	
Location: Dodworth					Level: 92.35		Scale 1:100			
Client: The Wentworth Trustees					Dates: 05/03/2021 - 05/03/2021		Logged By LEW			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.20	91.15		Overburden.	1	
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
					4.00	88.35		Black COAL.	4	
					4.10	88.25		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	5	
									6	
					7.00	85.35		Black COAL. (SWALLOW WOOD COAL)	7	
					7.20	85.15		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	8	
									9	
									10	
									11	
									12	
									13	
									14	
									15	
									16	
					16.50	75.85		Dark grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	17	
					17.00	75.35		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	18	
									19	
									20	
		Continued on next sheet								
Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 5.0m during drilling.										
										

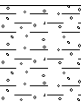
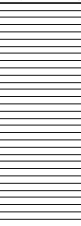
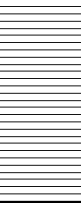
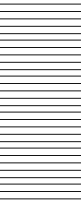
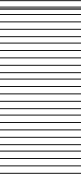
					Borehole Log			Borehole No. PH114 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432473.56 - 404400.37		Hole Type PH
Location: Dodworth					Level: 92.35		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 05/03/2021 - 05/03/2021				

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
								31	
								32	
								33	
								34	
								35	
								36	
								37	
								38	
								39	
								40	

End of borehole at 26.50 m							
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Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 5.0m during drilling.							
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					Borehole Log			Borehole No. PH115 Sheet 1 of 2		
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432474.93 - 404423.46		Hole Type PH	
Location: Dodworth					Level: 93.75		Scale 1:100			
Client: The Wentworth Trustees					Dates: 05/03/2021 - 05/03/2021		Logged By LEW			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.30	92.45		Overburden.	1	
									Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	2
										3
						4.60	89.15			4
						4.70	89.05		Black COAL.	5
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	6
										7
						7.50	86.25		Black COAL.	8
						7.70	86.05		(SWALLOW WOOD COAL)	9
									Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	10
										11
										12
										13
										14
						14.90	78.85		Dark grey MUDSTONE with coal bands. (MIDDLE COAL MEASURES - MUDSTONE)	15
						15.80	77.95		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	16
										17
						18.20	75.55		Black COAL. (HAIGH MOOR COAL)	18
						19.00	74.75		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	19
								20		

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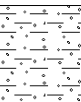
Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 8.0m during drilling.



					Borehole Log			Borehole No. PH115 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432474.93 - 404423.46		Hole Type PH
Location: Dodworth					Level: 93.75		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 05/03/2021 - 05/03/2021				

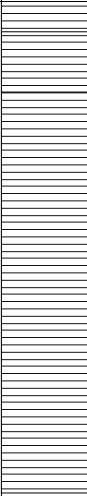
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
									21	
									22	
					22.60		71.15		Dark grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	23
					23.20		70.55		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	24
									25	
									26	
									27	
					27.60		66.15		Black COAL. (LIDGET COAL)	28
					28.40		65.35		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	29
									30	
									31	
									32	
			32.50		61.25		End of borehole at 32.50 m	33		
								34		
								35		
								36		
								37		
								38		
								39		
								40		

Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 8.0m during drilling.		
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					Borehole Log			Borehole No. PH116 Sheet 1 of 2		
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432447.32 - 404357.76		Hole Type PH	
Location: Dodworth					Level: 90.40		Scale 1:100		Logged By LEW	
Client: The Wentworth Trustees					Dates: 05/03/2021 - 05/03/2021					
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
								Overburden.	1	
					1.30 1.50 1.60	89.10 88.90 88.80	  	Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE) Black COAL. (SWALLOW WOOD COAL) Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2 3	
										4
										5
										6
										7
										8
										9
										10
										11
						11.20 11.50	79.20 78.90	 	Dark grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE) Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	12 13
										14
						15.00	75.40		Hard grey SILTSTONE. (MIDDLE COAL MEASURES - SILTSTONE)	15 16
										17
						17.20	73.20		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	18 19
										20
		Continued on next sheet								

Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 6.0m during drilling.



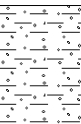
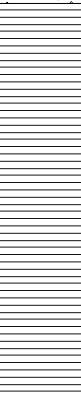
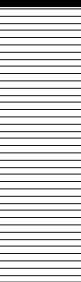
					Borehole Log			Borehole No. PH116 Sheet 2 of 2			
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432447.32 - 404357.76		Hole Type PH		
Location: Dodworth					Level: 90.40		Scale 1:100		Logged By LEW		
Client: The Wentworth Trustees					Dates: 05/03/2021 - 05/03/2021						
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
					20.40	70.00		Dark grey MUDSTONE with coal bands. (MIDDLE COAL MEASURES - MUDSTONE)	21		
					21.20	69.20		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	22		
									23		
									24		
									25		
									26		
					26.50	63.90		End of borehole at 26.50 m	27		
									28		
									29		
									30		
									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. Groundwater was encountered at 6.0m during drilling.											

					Borehole Log			Borehole No. PH117 Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432242.18 - 404376.86		Hole Type PH
Location: Dodworth					Level: 97.25		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 08/03/2021 - 08/03/2021				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Overburden.	1	
					1.60	95.65		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	2
									3
									4
									5
									6
									7
					7.00	90.25		Dark grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	8
					7.80	89.45		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	9
									10
									11
									12
					12.00	85.25		Hard grey SILTSTONE. (MIDDLE COAL MEASURES - SILTSTONE)	13
									14
					14.00	83.25		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	15
				14.50	82.75		End of borehole at 14.50 m	16	
								17	
								18	
								19	
								20	

Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling.		
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					Borehole Log			Borehole No. PH118 Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432223.51 - 404349.16		Hole Type PH
Location: Dodworth					Level: 98.10		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 08/03/2021 - 08/03/2021				

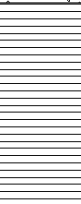
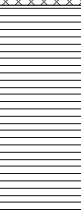
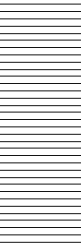
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.60	96.50		Overburden.	1
								Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	2
					7.00	91.10		Hard grey SILTSTONE. (MIDDLE COAL MEASURES - SILTSTONE)	7
					9.00	89.10		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	9
					10.00	88.10		Black COAL. (LIDGET COAL)	10
					10.70	87.40		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	11
					14.50	83.60	End of borehole at 14.50 m		15
									16
									17
									18
									19
								20	

Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling.		
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					Borehole Log			Borehole No. PH119 Sheet 1 of 1	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432267.49 - 404323.59		Hole Type PH
Location: Dodworth					Level: 94.95		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 08/03/2021 - 08/03/2021				

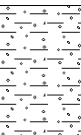
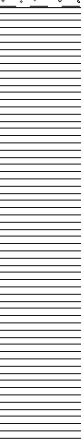
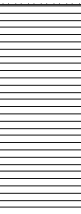
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.00	93.95		Overburden.	1	
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
										3
										4
										5
										6
										7
										8
										9
										10
					8.00	86.95		Black COAL with mudstone parting. (LIDGET COAL)	11	
					9.20	85.75		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	12	
					11.50	83.45		End of borehole at 11.50 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 apparent during drilling.								
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				Borehole Log				Borehole No. PH120 Sheet 1 of 1		
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432308.33 - 404305.56		Hole Type PH		
Location: Dodworth				Level: 93.50		Scale 1:100				
Client: The Wentworth Trustees				Dates: 08/03/2021 - 08/03/2021		Logged By LEW				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.00	92.50		Overburden.	1	
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
										3
						3.80	89.70		Hard grey SILTSTONE. (MIDDLE COAL MEASURES - SILTSTONE)	4
						4.60	88.90		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	5
										6
										7
						7.50	86.00		Black COAL. (LIDGET COAL)	8
						8.00	85.50		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	9
										10
										11
				11.50	82.00	End of borehole at 11.50 m			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 apparent during drilling.		
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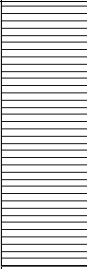
					Borehole Log			Borehole No. PH121 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432363.60 - 404335.58		Hole Type PH
Location: Dodworth					Level: 89.80		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 08/03/2021 - 08/03/2021				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.80	88.00		Overburden.	1	
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
										3
										4
										5
										6
										7
		7.80 8.20				82.00 81.60		Black COAL. (HAIGH MOOR COAL)	8	
								Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	9	
										10
								11		
				11.60	78.20		Hard grey SILTSTONE. (MIDDLE COAL MEASURES - SILTSTONE)	12		
								13		
								14		
				15.00	74.80		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	15		
								16		
								17		
				18.00	71.80		Dark grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	18		
				19.00	70.80		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	19		
								20		

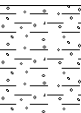
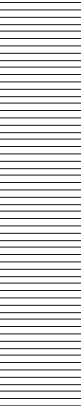
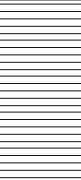
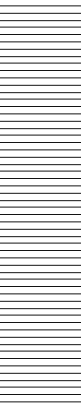
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Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 8.0m during drilling.



					Borehole Log			Borehole No. PH121 Sheet 2 of 2			
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432363.60 - 404335.58		Hole Type PH		
Location: Dodworth					Level: 89.80		Scale 1:100		Logged By LEW		
Client: The Wentworth Trustees					Dates: 08/03/2021 - 08/03/2021						
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
					23.50	66.30		End of borehole at 23.50 m	21		
									22		
									23		
									24		
									25		
									26		
									27		
									28		
									29		
									30		
									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. Groundwater was encountered at 8.0m during drilling.		

					Borehole Log			Borehole No. PH122 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432322.68 - 404338.59		Hole Type PH
Location: Dodworth					Level: 92.15		Scale 1:100		
Client: The Wentworth Trustees					Dates: 08/03/2021 - 08/03/2021		Logged By LEW		

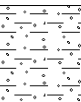
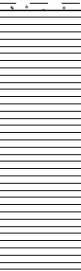
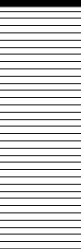
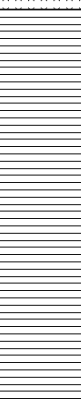
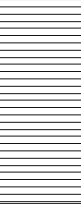
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.50	90.65		Overburden.	1	
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
										3
										4
										5
										6
						7.10	85.05		Dark grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	7
						8.10	84.05		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	8
										9
										10
				10.70	81.45		Hard grey SILTSTONE. (MIDDLE COAL MEASURES - SILTSTONE)	11		
				12.50	79.65		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	12		
								13		
								14		
								15		
								16		
								17		
				18.00	74.15		Dark grey MUDSTONE with coal traces. (MIDDLE COAL MEASURES - MUDSTONE)	18		
				19.10	73.05		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	19		
								20		

Continued on next sheet

Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 12.0m during drilling.		
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					Borehole Log			Borehole No. PH122 Sheet 2 of 2			
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432322.68 - 404338.59		Hole Type PH		
Location: Dodworth					Level: 92.15		Scale 1:100		Logged By LEW		
Client: The Wentworth Trustees					Dates: 08/03/2021 - 08/03/2021						
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
					20.50	71.65		----- End of borehole at 20.50 m			
									21		
									22		
									23		
									24		
									25		
									26		
									27		
									28		
									29		
									30		
									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. Groundwater was encountered at 12.0m during drilling.											

					Borehole Log			Borehole No. PH123 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432285.04 - 404351.69		Hole Type PH
Location: Dodworth					Level: 93.90		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 08/03/2021 - 08/03/2021				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					1.40	92.50		Overburden.	1
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
					5.00	88.90		Black COAL with mudstone partings. (HAIGH MOOR COAL)	5
					6.10	87.80		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	6
					9.50	84.40		Hard grey SILTSTONE. (MIDDLE COAL MEASURES - SILTSTONE)	10
					11.20	82.70		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	11
					16.70	77.20		Black COAL. (LIDGET COAL)	17
					17.30	76.60		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	18
									19

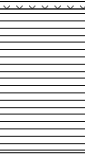
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Remarks
 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was not apparent during drilling.

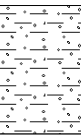
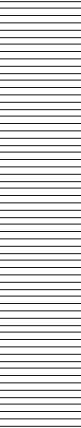
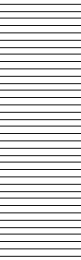


					Borehole Log			Borehole No. PH123 Sheet 2 of 2			
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432285.04 - 404351.69		Hole Type PH		
Location: Dodworth					Level: 93.90		Scale 1:100		Logged By LEW		
Client: The Wentworth Trustees					Dates: 08/03/2021 - 08/03/2021						
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
					20.50	73.40		----- End of borehole at 20.50 m			
									21		
									22		
									23		
									24		
									25		
									26		
									27		
									28		
									29		
									30		
									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. Groundwater was not apparent during drilling.											

				Borehole Log				Borehole No. PH124 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth				Project No. 1979		Co-ords: 432291.59 - 404386.17		Hole Type PH	
Location: Dodworth				Level: 95.50		Scale 1:100			
Client: The Wentworth Trustees				Dates: 08/03/2021 - 08/03/2021		Logged By LEW			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Overburden.	1	
					1.60	93.90		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	2
					2.00	93.50		Black COAL. (HAIGH MOOR COAL)	3
					2.40	93.10		Grey SILTSTONE. (MIDDLE COAL MEASURES - SILTSTONE)	4
					3.80	91.70		Hard grey SILTSTONE. (MIDDLE COAL MEASURES - SILTSTONE)	5
					5.00	90.50		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	6
									7
									8
									9
									10
									11
									12
					13.40	82.10		Black COAL with mudstone partings. (LIDGET COAL)	14
					14.50	81.00		Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	15
									16
					17.50	78.00		Very hard grey SILTSTONE. (MIDDLE COAL MEASURES - SILTSTONE)	18
									19
									20
Continued on next sheet									
Remarks 1. Prior to drilling a Cable Avoidance Tool (CAT) survey was carried out. 2. Groundwater was encountered at 12.0m during drilling.									
									

					Borehole Log			Borehole No. PH124 Sheet 2 of 2			
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432291.59 - 404386.17		Hole Type PH		
Location: Dodworth					Level: 95.50		Scale 1:100		Logged By LEW		
Client: The Wentworth Trustees					Dates: 08/03/2021 - 08/03/2021						
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
					20.10	75.40		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	21		
					22.00	73.50		----- End of borehole at 22.00 m -----	22		
									23		
									24		
									25		
									26		
									27		
									28		
									29		
									30		
									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. Groundwater was encountered at 12.0m during drilling.											

					Borehole Log			Borehole No. PH125 Sheet 1 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432307.63 - 404414.70		Hole Type PH
Location: Dodworth					Level: 96.45		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 08/03/2021 - 08/03/2021				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					1.70	94.75		Overburden.	1	
									Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	2
										3
										4
										5
										6
										7
										8
										9
										10
					7.80 7.90	88.65 88.55		Black COAL. (HAIGH MOOR COAL)	8	
								Grey MUDSTONE and SILTSTONE. (MIDDLE COAL MEASURES - INTERBEDDED)	9	
									10	
					12.00	84.45		Hard grey SILTSTONE. (MIDDLE COAL MEASURES - SILTSTONE)	12	
									13	
					14.50	81.95		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	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. Groundwater was encountered at 12.0m during drilling.



					Borehole Log			Borehole No. PH125 Sheet 2 of 2	
Project Name: Smithy Wood Lane, Dodworth					Project No. 1979		Co-ords: 432307.63 - 404414.70		Hole Type PH
Location: Dodworth					Level: 96.45		Scale 1:100		Logged By LEW
Client: The Wentworth Trustees					Dates: 08/03/2021 - 08/03/2021				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					21.20	75.25		Black COAL. (LIDGET COAL)	21
					22.20	74.25		Grey MUDSTONE. (MIDDLE COAL MEASURES - MUDSTONE)	22
					23.50	72.95	----- End of borehole at 23.50 m -----		23
									24
									25
									26
									27
									28
									29
									30
									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. Groundwater was encountered at 12.0m during drilling.								
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Appendix H

Contaminated land assessment for selection of water supply pipes



Contaminated Land Assessment Form

Introduction

In January 2011, UK Water Industry Research (UKWIR) published "Guidance for the selection of Water Supply Pipes to be used in Brownfield Sites" (UKWIR 2010 Ref 10/WM/03/21). The aim of this publication is to ensure that the correct materials are selected for Water Pipes to be used below ground in Brownfield Sites. It supersedes the Water Regulations Advisory Scheme (WRAS) Information and Guidance Note 9-04-03 "Laying Pipes in Contaminated Land" which has now been withdrawn.

The UKWIR guidance is for use by Water Companies, Self Lay Organisations, Developers and Consultants during the planning, designing and construction of water mains and/or services in Brownfield Sites. The guidance defines a Brownfield Site as "Land or premises that have not previously been used or developed. They may also be vacant or derelict. However, they are not necessarily contaminated." UKWIR state the guidance does not apply to Greenfield Sites, however YW reserve the right to apply relevant sections of the publication to Greenfield Sites that may potentially be contaminated.

Contamination Risk Assessment

Please complete the form below to allow us to assess the risk of contamination of the drinking water supply from chemicals within the soil. Yorkshire Water now lays all its water mains and service pipes in plastic. Many organic compounds (i.e. Phenols, Fuels and other hydrocarbons) can either permeate through the walls of plastic pipes into the water supply or dissolve and weaken the pipe causing water leaks.

As a minimum a desk top study (Preliminary Risk Assessment) shall be provided to YW that sets out whether the land through which the Water Pipes are to be laid may be affected by contamination. For those sites where land contamination may be present, appropriate testing shall be undertaken on existing ground materials and remediated materials. The testing requirements are as described below:

Testing Requirements

The tests that are required on all sites where the potential for contamination has been established through the desk top study and where water pipes are proposed to be laid must be undertaken by bodies with accreditation from UKAS (United Kingdom Accreditation Service) and where possible MCERTS (Environment Agency's Monitoring Certification Service).

The tests on soil/water samples shall be those to detect and report on the levels of the following contaminant groups and chemical characteristics: **VOC's, SVOC's, Mineral Oil compounds C10-C40, Conductivity, pH and Redox potential** (as stipulated in the UKWIR guidance Appendix G). If the previous function of the site involved the use, storage, manufacture or disposal of any of the following elements, appropriate testing for these substances will be required:

Ethers, Nitrobenzene, Ketones, Aldehydes and Amines. Please note UKWIR guidance states the presence of Amines on any site precludes the use of Polyethylene pipework.

Sufficiency of Testing

Samples taken must be representative of the soil conditions in which the Water Pipes are proposed to be laid (normally Water Pipes are laid at a depth between 0.7m and 1.3m below finished ground level). As a result samples must be taken at least 500mm below the base of the proposed pipe where the proposed location is known. If the proposed location is unknown then samples must be taken at intervals between the surface level and 1.5m from below finished ground level as a minimum. Where appropriate groundwater sampling and groundwater monitoring will also be necessary (see UKWIR guidance).

Further guidance on representative sampling is contained within BS10175:2011 "Code of practice for the Investigation of Potentially Contaminated Sites".

The table in section 3 lists the contaminants and their respective levels which can permeate or damage plastic water pipes with consequent risk to the water supply. Where soil analysis results indicate levels of these contaminants above the maximum allowable concentration shown, then Yorkshire Water will determine that all mains and service pipes are laid in suitable materials resistant to the risks posed by those contaminants. Where sites have been used for any of the activities listed in Section 2 all mains and services shall be laid in suitable permeation resistant pipe systems due to the high risk of these contaminants being present.

Health & Safety Assessment

The UKWIR guidance does not cover Health & Safety considerations as part of any operational activities undertaken on Brownfield Sites. In order to maintain the safety of our staff, service partners and customers YW will also assess the site based on the EA CLEA (Contaminated Land Exposure Assessment) guidelines.

In order to comply with Yorkshire Water's Health & safety requirements please review the following information relating to trigger values for Health & Safety considerations when laying Water Pipes in contaminated Land.

Inorganic	Contaminant	Mg/Kg	Organic	Contaminant	Mg/Kg
	Arsenic	32		Benzene	0.33
	Nickel	130		Toulene	610
	Mercury	170		Ethylbenzene	350
	Selenium	35		Xylene	230
	Cadmium	10		Phenol	420

Indicates all results below trigger value

Indicates contaminant not tested for

1. Your Details

Company Name

Lithos Consulting

Contact Name

Liam Taylor

Site Address

Smithywood Lane, Dodworth, S75 3QW

Contact Number

01937 543 353

2. The Previous Use of the Site

Please indicate below the previous uses of the site being developed

Arable fields with historical reservoir

Please indicate if the site (or part of it) has previously been used for any of the following activities:

☐
☐
☐
☐
☐
☐

Chemicals Manufacture

Explosives / Ordnance Manufacture

Fuel Filling Stations / Storage

Metal Finishing / Treating

Mechanical Engineering Works

Oil & Gas Refineries / Storage

☐
☐
☐
☐
☐
☐

Paint or Ink Manufacture

Railway Land / Railway Engineering

Scrap metals

Shipbuilding & Repair

Vehicle Repair Garages

Vehicle Manufacturing

3. Contaminants

Please complete the table below with the highest concentrations in mg/kg of each or any of the contaminants listed. The information should be extracted from your soil reports already undertaken, if any of the contaminants were not tested for, this should be declared on the form along with the reasons for this. If you have any difficulty interpreting the results of your soil sample analyses and transposing them into the table, then you should consult the body who undertook the sampling and reporting. If there are more than 3 sample locations with associated test results please copy the table for each location and label each with the sample reference and its location on a site plan.

Laboratory Name:		Date	Depth (m)	
Group No.	Parameter group	Unit	Concentration	Detection Limit
1	Extended VOC suite (with TIC)	mg/kg	Not tested	0.5
1a	BTEX & MTBE	mg/kg	Not tested	0.1
2	Extended SVOC suite (with TIC)	mg/kg	Maximum Napthalene: 0.39mg/kg Maximum Benz(a)pyrene: 2.5mg/kg	2
2e	Phenols	mg/kg	Not tested	2
2f	Cresols and chlorinated phenols	mg/kg	Not tested	2
3	Mineral Oils C ₁₁ -C ₂₀	mg/kg	Not tested	10
4	Mineral Oils C ₂₁ -C ₄₀	mg/kg	Not tested	500
5	Corrosive (Conductivity, Redox & pH)		Not tested	
	Conductivity	µS/cm	Not tested	
	Redox	Volt	Not tested	
	pH	pH	5.4 to 8.4	
2a	Ethers	mg/kg	Not tested	0.5
2b	Nitrobenzene	mg/kg	Not tested	0.5
2c	Ketones	mg/kg	Not tested	0.5
2d	Aldehydes	mg/kg	Not tested	0.5
6	Amines	mg/kg	Not tested	Any presence

DO NOT include a copy of your soil report with your application, if you do not complete the table above your application will be returned to you.

Please include a site plan highlighting the locations of the above sample points.

[Drawing 1979/6 shows the locations of exploratory holes.](#)

4. Remediation of the site

Please indicate below any remediation work that will be undertaken on the site to remove / mitigate the effect of any contaminants identified in the soil report. Please include the nature and depth of any remediation work.

No significant contamination has been found on site and the site has remained undeveloped.

5. Can I use plastic pipe if I undertake remediation works?

Yes, as long as the remediation work either removes the contaminated soil or reduces the level of contaminants below trigger levels. Moving contaminated material so that it is under roads and footpaths is not acceptable as this is the likely location of the water mains.

As water mains are laid to a depth of 0.9m to the top of the pipe, any contaminated soil to a depth of 1.3m must be removed. We will require post remediation sampling results confirming contamination has fallen below the trigger levels prior to releasing any works to our Service Partners.

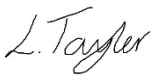
If contamination is found all water mains and services on the site must be laid in a suitable barrier pipe. Yorkshire Water will not change the agreed mains material after the agreement has been signed by all parties. So please ensure your remediation proposals are made clear at this stage.

6. Declaration

I hereby confirm that the information provided in this form is true and I understand that should the site conditions change from those indicated in this report that I may incur additional costs.

Your Signature

Date

	30/06/2020
---	------------

Your Name & Title (PLEASE PRINT

Role in organisation

Liam Taylor	Engineer
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Please return this completed form with your application to Developer Services,
Yorkshire Water Services Ltd, PO Box 52, Bradford BD3 7YD

References

BS10175:2011 "Investigation of Potentially Contaminated Sites Code of Practice

UK Water Industry Research (UKWIR) " Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites" (Ref 10/WM/03/21)

Appendix I
Chemical Results



Final Report

Report No.:	20-10797-1		
Initial Date of Issue:	24-Apr-2020		
Client	Lithos Consulting		
Client Address:	Walton Road Wetherby LS22 5DZ		
Contact(s):	Liam Taylor		
Project	1979 Smithy Wood Lane, Dodworth		
Quotation No.:		Date Received:	21-Apr-2020
Order No.:	PO15976/1979/LT	Date Instructed:	22-Apr-2020
No. of Samples:	12		
Turnaround (Wkdays):	5	Results Due:	28-Apr-2020
Date Approved:	24-Apr-2020		
Approved By:			
Details:	Glynn Harvey, Technical Manager		

Results - Soil

Client: Lithos Consulting	Chemtest Job No.:					20-10797	20-10797	20-10797	20-10797	20-10797	20-10797	20-10797	20-10797	20-10797
Quotation No.:	Chemtest Sample ID.:					998217	998218	998219	998220	998221	998223	998225	998227	998229
	Client Sample ID.:					1	1	1	1	1	1	1	1	1
	Sample Location:					TP01	TP03	TP04	TP05	TP07	TP09	TP13	TP16	TP18
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.20	0.30	0.50	0.30	0.20	0.20	0.20	0.20	0.20
	Date Sampled:					15-Apr-2020	15-Apr-2020	15-Apr-2020	15-Apr-2020	15-Apr-2020	15-Apr-2020	15-Apr-2020	16-Apr-2020	16-Apr-2020
	Asbestos Lab:					COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD										
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192	%	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
ACM Detection Stage	U	2192		N/A	-	-	-	-	-	-	-	-	-	-
Moisture	N	2030	%	0.020	15	20	23	17	18	19	20	17	13	
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Clay	Sand	Sand	Sand	Sand	Sand	Sand	Sand
pH	M	2010		4.0	8.4	7.1	7.1	7.6	6.6	7.3	6.5	6.7	6.8	
Vanadium	U	2450	mg/kg	5.0	37	35	38	31	36	38	39	42	25	
Total Organic Carbon	M	2625	%	0.20	3.2	4.3	4.5	4.6	2.9	4.1	5.4	3.8	4.0	
Coronene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 17 PAH's	N	2800	mg/kg	2.0	3.3	5.7	32	< 2.0	< 2.0	< 2.0	< 2.0	4.3	< 2.0	
Arsenic	M	2450	mg/kg	1.0	24	19	24	13	13	18	20	21	13	
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.54	1.3	0.84	0.84	0.81	0.65	1.2	0.74	0.46	
Cadmium	M	2450	mg/kg	0.10	0.28	0.50	0.62	0.33	0.29	0.29	0.42	0.39	0.38	
Chromium	M	2450	mg/kg	1.0	17	20	21	16	21	20	21	20	16	
Chromium (Trivalent)	N	2490	mg/kg	1.0	17	20	21	16	21	20	21	20	16	
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Copper	M	2450	mg/kg	0.50	33	37	59	27	25	26	34	32	26	
Lead	M	2450	mg/kg	0.50	63	62	130	44	36	62	61	58	37	
Mercury	M	2450	mg/kg	0.10	0.12	0.15	0.26	0.12	0.10	0.14	0.14	0.13	0.16	
Nickel	M	2450	mg/kg	0.50	18	26	30	16	20	19	22	20	20	
Selenium	M	2450	mg/kg	0.20	0.49	0.51	0.43	0.29	0.38	0.34	0.57	0.38	0.49	
Zinc	M	2450	mg/kg	0.50	93	120	200	91	85	91	97	110	81	
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	0.21	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2800	mg/kg	0.10	0.12	0.23	0.46	< 0.10	< 0.10	< 0.10	< 0.10	0.15	< 0.10	
Benzo[a]anthracene	M	2800	mg/kg	0.10	0.39	0.46	2.5	0.18	< 0.10	< 0.10	< 0.10	0.37	< 0.10	
Benzo[a]pyrene	M	2800	mg/kg	0.10	0.22	0.39	2.5	0.12	< 0.10	< 0.10	< 0.10	0.30	< 0.10	
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	0.38	0.48	3.5	0.19	< 0.10	< 0.10	< 0.10	0.30	< 0.10	
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	0.19	1.4	< 0.10	< 0.10	< 0.10	< 0.10	0.20	< 0.10	
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	0.11	0.15	1.2	< 0.10	< 0.10	< 0.10	< 0.10	0.12	< 0.10	
Chrysene	M	2800	mg/kg	0.10	0.29	0.43	2.7	0.14	< 0.10	< 0.10	< 0.10	0.36	< 0.10	
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	0.29	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	0.70	1.1	6.7	0.43	0.22	< 0.10	0.22	0.92	< 0.10	
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	0.21	2.0	< 0.10	< 0.10	< 0.10	< 0.10	0.25	< 0.10	

Results - Soil

Client: Lithos Consulting	Chemtest Job No.:					20-10797	20-10797	20-10797	20-10797	20-10797	20-10797	20-10797	20-10797
Quotation No.:	Chemtest Sample ID.:					998217	998218	998219	998220	998221	998223	998225	998227
	Client Sample ID.:					1	1	1	1	1	1	1	1
	Sample Location:					TP01	TP03	TP04	TP05	TP07	TP09	TP13	TP16
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.20	0.30	0.50	0.30	0.20	0.20	0.20	0.20
	Date Sampled:					15-Apr-2020	15-Apr-2020	15-Apr-2020	15-Apr-2020	15-Apr-2020	15-Apr-2020	15-Apr-2020	16-Apr-2020
	Asbestos Lab:					COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD									
Naphthalene	M	2800	mg/kg	0.10	< 0.10	0.10	0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	0.46	0.91	2.8	0.25	< 0.10	< 0.10	< 0.10	0.60	< 0.10
Pyrene	M	2800	mg/kg	0.10	0.63	0.86	5.1	0.31	0.20	< 0.10	0.17	0.71	< 0.10

Client: Lithos Consulting	Chemtest Job No.:				20-10797	20-10797	20-10797
Quotation No.:	Chemtest Sample ID.:				998230	998231	998233
	Client Sample ID.:				1	1	1
	Sample Location:				TP20	TP22	TP25
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				0.20	0.20	0.20
	Date Sampled:				16-Apr-2020	16-Apr-2020	16-Apr-2020
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
ACM Type	U	2192		N/A	-	-	-
Asbestos Identification	U	2192	%	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
ACM Detection Stage	U	2192		N/A	-	-	-
Moisture	N	2030	%	0.020	21	19	15
Soil Colour	N	2040		N/A	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Loam	Sand	Clay
pH	M	2010		4.0	6.3	6.6	5.4
Vanadium	U	2450	mg/kg	5.0	32	33	27
Total Organic Carbon	M	2625	%	0.20	4.9	3.7	3.3
Coronene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Total Of 17 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	6.0
Arsenic	M	2450	mg/kg	1.0	18	20	13
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.85	0.92	< 0.40
Cadmium	M	2450	mg/kg	0.10	0.37	0.35	0.22
Chromium	M	2450	mg/kg	1.0	21	20	19
Chromium (Trivalent)	N	2490	mg/kg	1.0	21	20	19
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Copper	M	2450	mg/kg	0.50	35	34	24
Lead	M	2450	mg/kg	0.50	59	64	38
Mercury	M	2450	mg/kg	0.10	0.19	0.17	0.10
Nickel	M	2450	mg/kg	0.50	22	21	24
Selenium	M	2450	mg/kg	0.20	0.47	0.52	0.44
Zinc	M	2450	mg/kg	0.50	92	93	120
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	0.25
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	0.29
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	0.43
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	0.23
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	0.16
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	0.22
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	0.21
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	0.13	0.68
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	0.47
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10

Results - Soil

Client: Lithos Consulting	Chemtest Job No.:				20-10797	20-10797	20-10797
Quotation No.:	Chemtest Sample ID.:				998230	998231	998233
	Client Sample ID.:				1	1	1
	Sample Location:				TP20	TP22	TP25
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				0.20	0.20	0.20
	Date Sampled:				16-Apr-2020	16-Apr-2020	16-Apr-2020
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
Naphthalene	M	2800	mg/kg	0.10	< 0.10	< 0.10	0.39
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	1.7
Pyrene	M	2800	mg/kg	0.10	< 0.10	0.15	0.74

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenzo[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com

Appendix J
Geotechnical Test Results



LABORATORY REPORT



4043

Contract Number: PSL20/2117

Report Date: 13 May 2020
Client's Reference: 1979
Client Name: Lithos Consulting
Parkhill
Walton Road
Wetherby
North Yorkshire
LS22 5DZ

For the attention of: Lliam Taylor

Contract Title: Smithy Wood Lane, Dodworth
Date Received: 22/4/2020
Date Commenced: 22/4/2020
Date Completed: 13/5/2020

Notes: Opinions and Interpretations are outside the UKAS Accreditation

A copy of the Laboratory Schedule of accredited tests as issued by UKAS is attached to this report. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced other than in full, without the prior written approval of the laboratory.

Checked and Approved Signatories:

R Gunson
(Director)

S Royle
(Laboratory Manager)

A Watkins
(Director)

S Eyre
(Senior Technician)

R Berriman
(Quality Manager)

L Knight
(Senior Technician)

5 – 7 Hexthorpe Road, Hexthorpe,
Doncaster DN4 0AR
tel: +44 (0)844 815 6641
fax: +44 (0)844 815 6642
e-mail: rgunson@prosoils.co.uk
awatkins@prosoils.co.uk

Page 1 of

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
TP03	2	D	0.80		Brown mottled grey slightly sandy CLAY.
TP07	2	D	0.70		Brown mottled grey sandy CLAY.
TP09	2	D	1.20		Brown mottled grey sandy CLAY.
TP12	1	D	0.70		Brown mottled grey slightly gravelly slightly sandy CLAY.
TP14	1	D	0.90		Brown mottled grey slightly sandy CLAY.
TP15	2	D	1.50		Brown sandy slightly clayey very silty GRAVEL.
TP16	2	D	1.10		Brown mottled grey gravelly sandy CLAY.
TP18	2	D	1.20		Brown mottled grey slightly sandy CLAY.
TP20	2	D	1.50		Brown mottled grey gravelly sandy CLAY.
TP22	2	D	1.00		Brown mottled grey gravelly sandy CLAY.
TP24	3	D	1.20		Brown mottled grey slightly gravelly slightly sandy CLAY.
TP25	2	D	0.90		Brown very gravelly sandy CLAY.



4043



Smithy Wood Lane, Dodworth

Contract No:

PSL20/2117

Client Ref:

1979

SUMMARY OF SOIL CLASSIFICATION TESTS

(BS1377 : PART 2 : 1990)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Moisture Content % Clause 3.2	Linear Shrinkage % Clause 6.5	Particle Density Mg/m ³ Clause 8.2	Liquid Limit % Clause 4.3/4	Plastic Limit % Clause 5.3	Plasticity Index % Clause 5.4	Passing .425mm %	Remarks
TP03	2	D	0.80		25			54	25	29	100	High plasticity CH.
TP07	2	D	0.70		17			39	20	19	100	Intermediate plasticity CI.
TP09	2	D	1.20		23			48	23	25	100	Intermediate plasticity CI.
TP12	1	D	0.70		26			58	26	32	97	High plasticity CH.
TP14	1	D	0.90		25			52	24	28	100	High plasticity CH.
TP15	2	D	1.50		11				NP			
TP16	2	D	1.10		20			44	22	22	85	Intermediate plasticity CI.
TP18	2	D	1.20		32			65	28	37	100	High plasticity CH.
TP20	2	D	1.50		17			49	23	26	88	Intermediate plasticity CI.
TP22	2	D	1.00		17			38	19	19	84	Intermediate plasticity CI.
TP24	3	D	1.20		33			69	29	40	96	High plasticity CH.
TP25	2	D	0.90		13			36	18	18	60	Intermediate plasticity CI.

SYMBOLS : NP : Non Plastic

* : Liquid Limit and Plastic Limit Wet Sieved.



Smithy Wood Lane, Dodworth

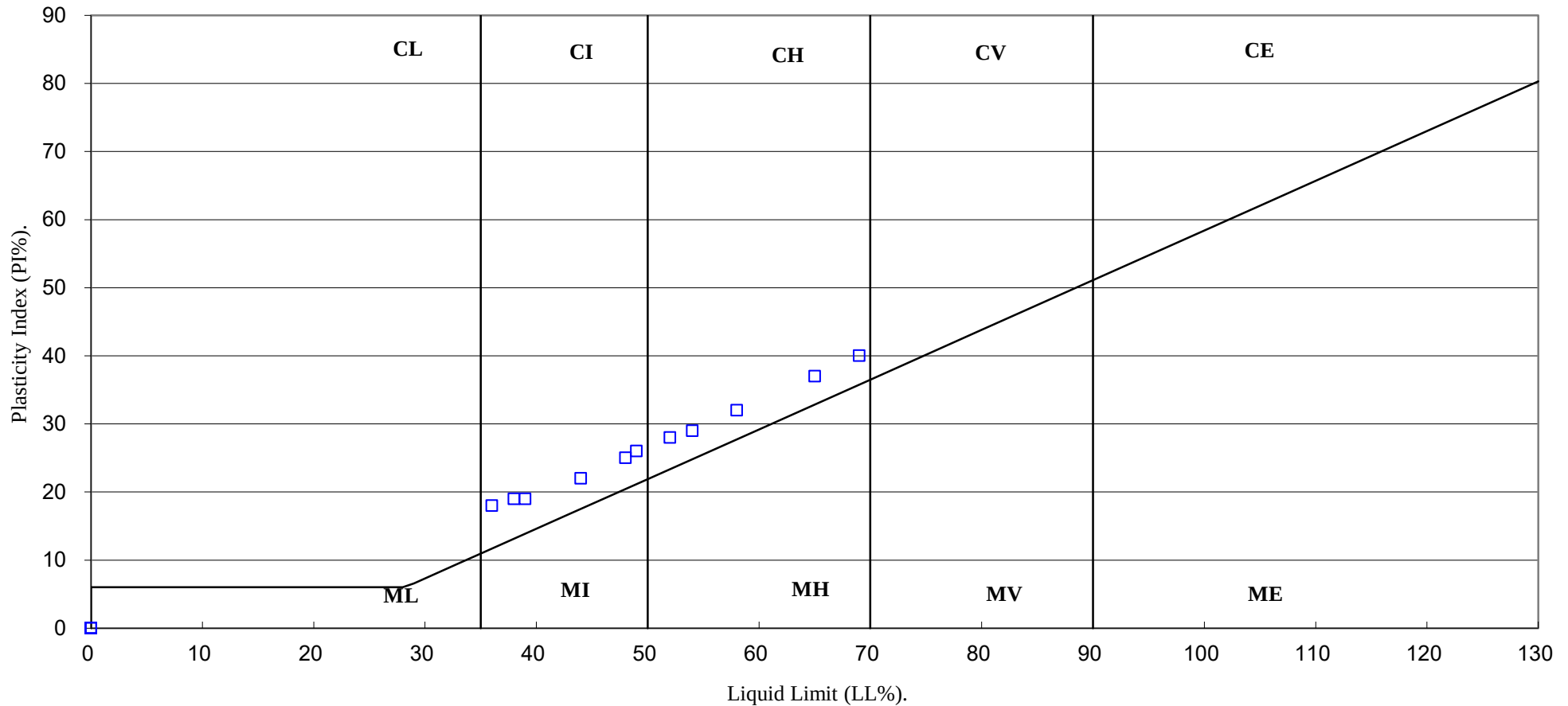
Contract No:

PSL20/2117

Client Ref:

1979

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.



4043

PSL

Professional Soils Laboratory

Smithy Wood Lane, Dodworth

Contract No:

PSL20/2117

Client Ref:

1979



Certificate of Analysis

Certificate Number 20-08515

18-May-20

Client Professional Soils Laboratory Ltd
5/7 Hexthorpe Road
Hexthorpe
DN4 0AR

Our Reference 20-08515

Client Reference PSL20/2117

Order No (not supplied)

Contract Title Smithy Wood Lane, Dodworth

Description 18 Soil samples.

Date Received 12-May-20

Date Started 12-May-20

Date Completed 18-May-20

Test Procedures Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By

A handwritten signature in black ink, appearing to read "A. Fenwick", is written over a light blue circular stamp.

Adam Fenwick
Contracts Manager



Summary of Chemical Analysis

Soil Samples

Our Ref 20-08515

Client Ref PSL20/2117

Contract Title Smithy Wood Lane, Dodworth

Lab No	1672309	1672310	1672311	1672312	1672313	1672314	1672315	1672316	1672317	1672318	1672319
Sample ID	TP03	TP14	TP16	TP18	TP20	TP22	TP25	TP01	TP02	TP05	TP08
Depth	0.80	0.90	1.10	1.20	1.50	1.00	0.90	0.80	2.10	2.50	1.40
Other ID	2	1	2	2	2	2	2	2	1	2	2
Sample Type	D	D	D	D	D	D	D	D	D	D	D
Sampling Date	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
Sampling Time	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units											
Inorganics														
pH	DETSC 2008#		pH	6.7	7.0	6.9	5.1	7.2	6.4	6.6	7.3	6.4	6.4	6.4
Sulphate Aqueous Extract as SO4	DETSC 2076#	10	mg/l	40	86	12	31	29	46	11	67	< 10	11	< 10

Summary of Chemical Analysis

Soil Samples

Our Ref 20-08515

Client Ref PSL20/2117

Contract Title Smithy Wood Lane, Dodworth

Lab No	1672320	1672321	1672322	1672323	1672324	1672325	1672326
Sample ID	TP11	TP04	TP10	TP12	TP22	TP24	TP18
Depth	2.00	1.20	3.40	2.40	1.30	0.80	2.80
Other ID	2	2	1	2	3	2	3
Sample Type	D	D	D	D	D	D	D
Sampling Date	n/s	n/s	n/s	n/s	n/s	n/s	n/s
Sampling Time	n/s	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units							
Inorganics										
pH	DETSC 2008#		pH	6.6	5.1	6.0	6.2	5.3	4.8	4.6
Sulphate Aqueous Extract as SO ₄	DETSC 2076#	10	mg/l	11	31	27	18	28	30	28

Information in Support of the Analytical Results

Our Ref 20-08515
 Client Ref PSL20/2117
 Contract Smithy Wood Lane, Dodworth

Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
1672309	TP03 0.80 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672310	TP14 0.90 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672311	TP16 1.10 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672312	TP18 1.20 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672313	TP20 1.50 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672314	TP22 1.00 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672315	TP25 0.90 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672316	TP01 0.80 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672317	TP02 2.10 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672318	TP05 2.50 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672319	TP08 1.40 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672320	TP11 2.00 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672321	TP04 1.20 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672322	TP10 3.40 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672323	TP12 2.40 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672324	TP22 1.30 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672325	TP24 0.80 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	
1672326	TP18 2.80 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)	

Key: P-Plastic T-Tub

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Information in Support of the Analytical Results

Our Ref 20-08515
Client Ref PSL20/2117
Contract Smithy Wood Lane, Dodworth

Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425µm sieve, in accordance with BS1377.
Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.
The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-
Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months



Certificate of Analysis

Certificate Number 20-12078

10-Jul-20

Client Professional Soils Laboratory Ltd
5/7 Hexthorpe Road
Hexthorpe
DN4 0AR

Our Reference 20-12078

Client Reference PSL20/3301

Order No (not supplied)

Contract Title Smithy Wood Lane, Dodworth

Description 5 Soil samples.

Date Received 07-Jul-20

Date Started 07-Jul-20

Date Completed 10-Jul-20

Test Procedures Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By

Adam Fenwick
Contracts Manager



Summary of Chemical Analysis

Soil Samples

Our Ref 20-12078

Client Ref PSL20/3301

Contract Title Smithy Wood Lane, Dodworth

Lab No	1694200	1694201	1694202	1694203	1694204
Sample ID	TP13	TP14	TP17	TP21	TP23
Depth	2.10	1.40	0.50	1.80	1.00
Other ID	3	2	2	1	1
Sample Type	D	D	D	D	D
Sampling Date	n/s	n/s	n/s	n/s	n/s
Sampling Time	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units					
Metals								
Magnesium Aqueous Extract	DETSC 2076*	10	mg/l	< 10	< 10	< 10	< 10	< 10
Inorganics								
pH	DETSC 2008#		pH	7.5	6.0	6.7	7.7	5.8
Chloride Aqueous Extract	DETSC 2055	1	mg/l	4.3	5.9	3.3	2.1	2.9
Nitrate Aqueous Extract as NO3	DETSC 2055	1	mg/l	< 1.0	< 1.0	< 1.0	1.6	2.1
Sulphate Aqueous Extract as SO4	DETSC 2076#	10	mg/l	17	18	< 10	16	13

Information in Support of the Analytical Results

Our Ref 20-12078

Client Ref PSL20/3301

Contract Smithy Wood Lane, Dodworth

Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests	Headspace in container for tests
1694200	TP13 2.10 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)		
1694201	TP14 1.40 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)		
1694202	TP17 0.50 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)		
1694203	TP21 1.80 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)		
1694204	TP23 1.00 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), pH + Conductivity (7 days)		

Key: P-Plastic T-Tub

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425µm sieve, in accordance with BS1377.

Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.

The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/- 2°C.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

Appendix K

Soakaway Test Results

SOIL INFILTRATION RATE IN ACCORDANCE WITH BRE DIGEST 365: 1991



Client:	The Wentworth Trustees
Engineer	Rhianne Hughes
Job Name:	Smithywood Lane, Dodsworth
Job No.:	1979

Date:	16/04/2020
Trial Pit No.	TP15
Test No.	1

Time	Elapsed Time	Depth to water from ground level	
	(min)	(m)	(mm)
08:12	0	1.20	1200
08:13	1	1.35	1350
08:14	2	1.47	1470
08:15	3	1.56	1560
08:16	4	1.58	1580
08:17	5	1.68	1680
08:22	10	1.71	1710
08:27	15	1.81	1810
08:37	25	1.88	1880
09:03	51	2.00	2000
09:20	74	2.11	2110

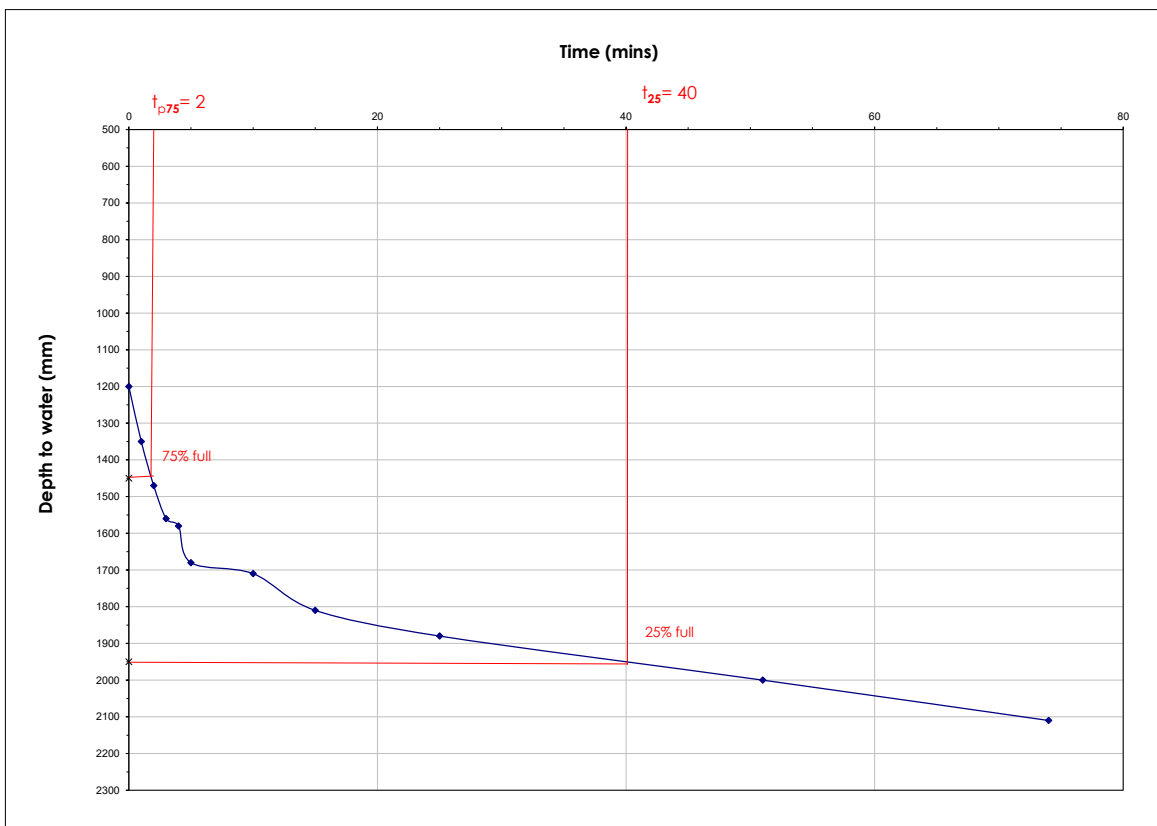
SOAKAWAY TRIAL PIT			
Dimensions		(m)	(mm)
Length	=	2.40	2400
Width	=	0.60	600
Depth	=	2.20	2200

Effective Depth (% full)		(mm)	(m)
0.25	=	1950	1.95
0.50	=	1700	1.70
0.75	=	1450	1.45

Depth at start of test (mm)	=	1200
Depth at end of test (mm)	=	2110

Base area of pit	=	1.44
C_{p50} - 50% internal surface area inc. base	=	4.44
V_{p75-25} - Volume 75 - 25%	=	0.72

Read from the graph:			
t_{p75} (min)	=	2	
t_{p25} (min)	=	40	



Soil infiltration rate, f , (m/s) = 7.11E-05

Soil infiltration rate (pit filled with stone), f , (m/s) = 2.13371E-05

SOIL INFILTRATION RATE IN ACCORDANCE WITH BRE DIGEST 365: 1991



Client:	The Wentworth Trustees
Engineer	Rhianne Hughes
Job Name:	Smithywood Lane, Dodsworth
Job No.:	1979

Date:	17/04/2020
Trial Pit No.	TP15
Test No.	2

Time	Elapsed Time	Depth to water from ground level	
	(min)	(m)	(mm)
09:26	0	1.47	1470
09:27	1	1.59	1590
09:28	2	1.66	1660
09:29	3	1.66	1660
09:30	4	1.70	1700
09:31	5	1.73	1730
09:36	10	1.77	1770
09:41	15	1.82	1820
09:46	20	1.84	1840
09:52	25	1.86	1860
10:05	37	1.90	1900
11:35	127	2.00	2000
12:45	197	2.10	2100

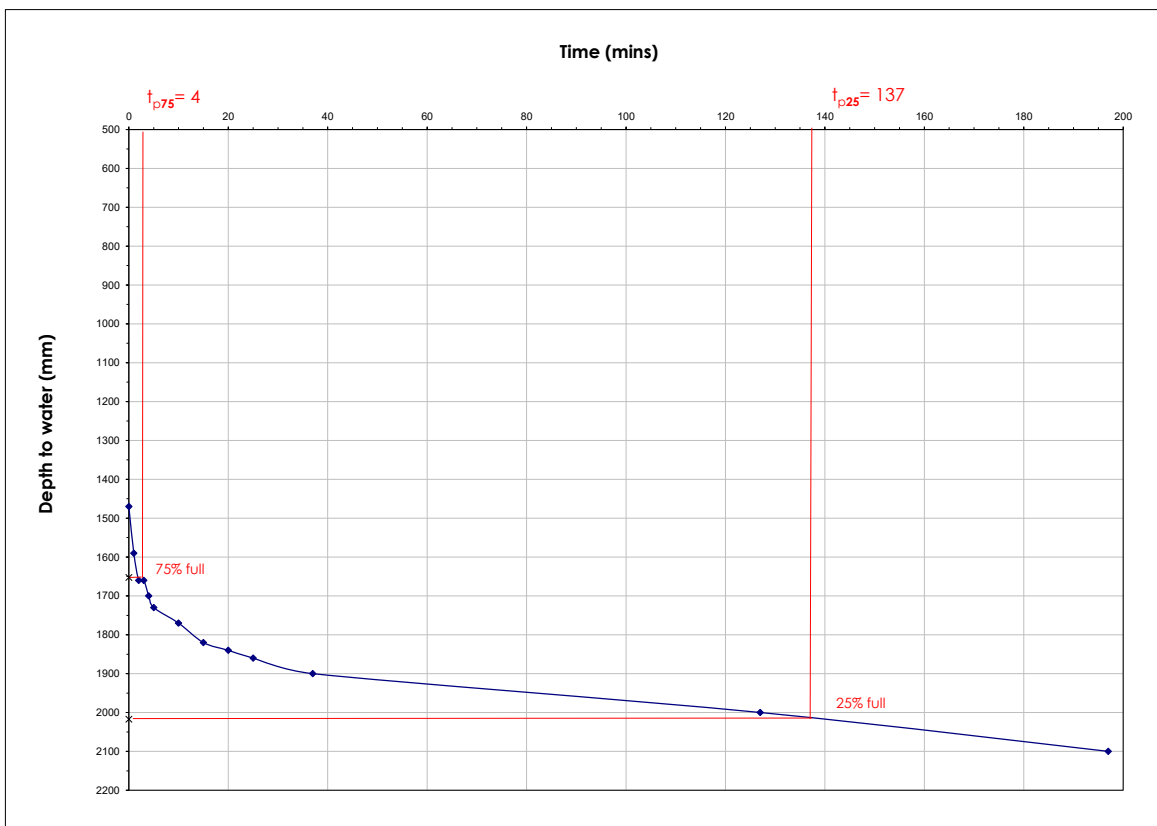
SOAKAWAY TRIAL PIT			
Dimensions		(m)	(mm)
Length	=	2.40	2400
Width	=	0.60	600
Depth	=	2.20	2200

Effective Depth (% full)		(mm)	(m)
0.25	=	2017.5	2.02
0.50	=	1835	1.84
0.75	=	1652.5	1.65

Depth at start of test (mm)	=	1470
Depth at end of test (mm)	=	2100

Base area of pit	=	1.44
C_{p50} - 50% internal surface area inc. base	=	3.63
V_{p75-25} - Volume 75 - 25%	=	0.5256

Read from the graph:			
t_{p75} (min)	=	4	
t_{p25} (min)	=	137	



Soil infiltration rate, f , (m/s) = 1.81E-05

Soil infiltration rate (pit filled with stone), f , (m/s) = 5.44336E-06

SOIL INFILTRATION RATE IN ACCORDANCE WITH BRE DIGEST 365: 1991



Client:	The Wentworth Trustees
Engineer	Rhianne Hughes
Job Name:	Smithywood Lane, Dodsworth
Job No.:	1979

Date:	17/04/2020
Trial Pit No.	TP15
Test No.	3

Time	Elapsed Time (min)	Depth to water from ground level (m)	(mm)
12:48	0	1.60	1600
12:49	1	1.60	1600
12:50	2	1.61	1610
12:51	3	1.62	1620
12:52	4	1.64	1640
12:53	5	1.67	1670
12:58	10	1.68	1680
13:03	15	1.68	1680
13:13	25	1.69	1690
14:00	73	1.84	1840
14:55	128	1.91	1910
15:27	160	2.00	2000
15:50	193	2.07	2070

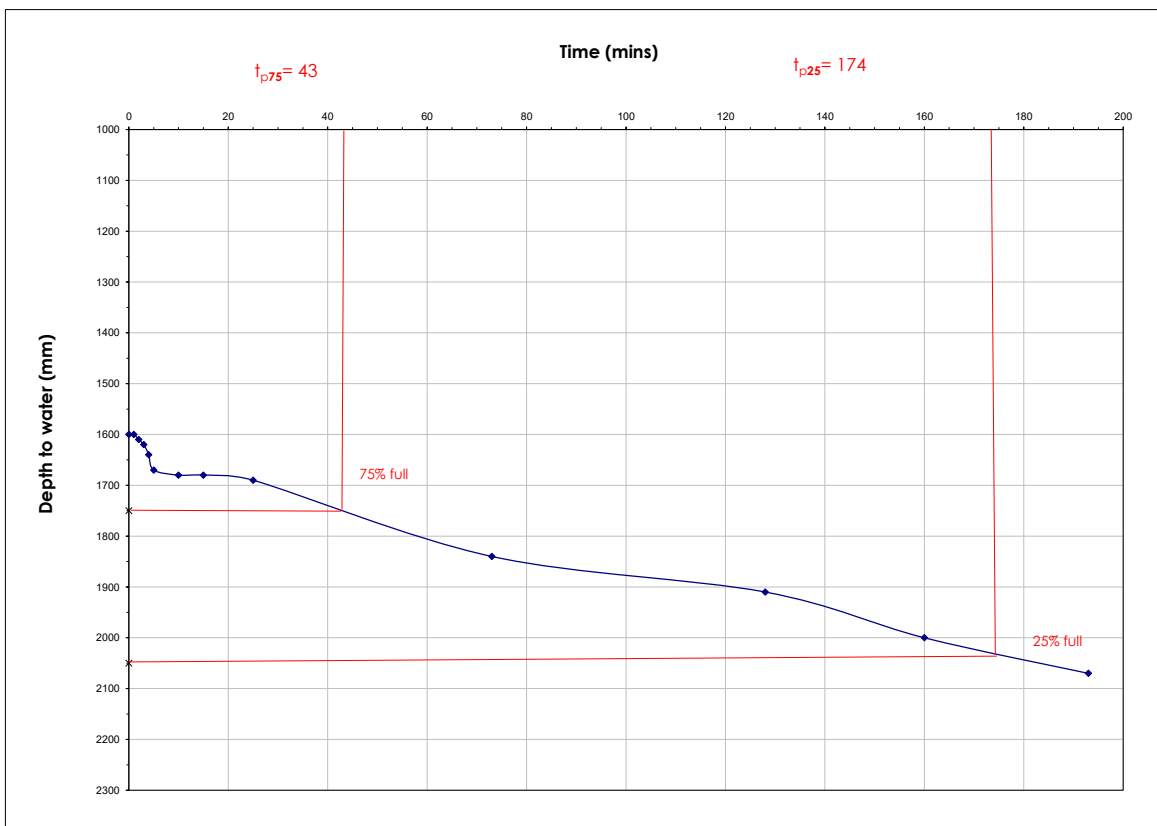
SOAKAWAY TRIAL PIT			
Dimensions		(m)	(mm)
Length	=	2.40	2400
Width	=	0.60	600
Depth	=	2.20	2200

Effective Depth (% full)		(mm)	(m)
0.25	=	2050	2.05
0.50	=	1900	1.90
0.75	=	1750	1.75

Depth at start of test (mm)	=	1600
Depth at end of test (mm)	=	2070

Base area of pit	=	1.44
C_{p50} - 50% internal surface area inc. base	=	3.24
V_{p75-25} - Volume 75 - 25%	=	0.432

Read from the graph:			
t_{p75} (min)	=	43	
t_{p25} (min)	=	174	



Soil infiltration rate, f , (m/s) = $1.70E-05$

Soil infiltration rate (pit filled with stone), f , (m/s) = $5.08906E-06$

SOIL INFILTRATION RATE IN ACCORDANCE WITH BRE DIGEST 365: 1991



Client:	The Wentworth Trustees
Engineer	Rhianne Hughes
Job Name:	Smithywood Lane, Dodsworth
Job No.:	1979

Date:	17/04/2020
Trial Pit No.	TP16
Test No.	1

Time	Elapsed Time	Depth to water from ground level	
	(min)	(m)	(mm)
09:15	0	1.55	1550
09:16	1	1.55	1550
09:17	2	1.55	1550
09:18	3	1.55	1550
09:19	4	1.55	1550
09:20	5	1.55	1550
09:55	10	1.55	1550
10:30	75	1.55	1550
12:42	147	1.55	1550
13:00	165	1.55	1550
14:00	225	1.55	1550
15:00	285	1.55	1550
15:25	315	1.55	1550

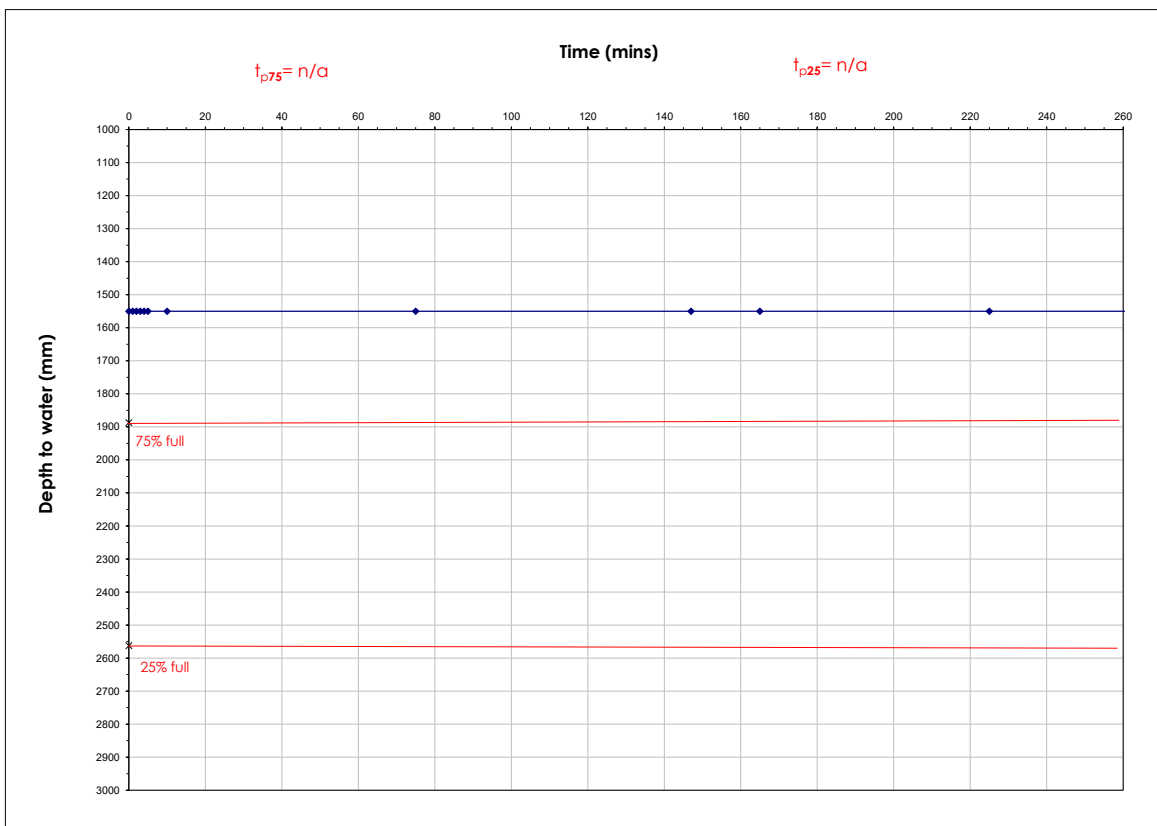
SOAKAWAY TRIAL PIT			
Dimensions		(m)	(mm)
Length	=	2.70	2700
Width	=	0.60	600
Depth	=	2.90	2900

Effective Depth (% full)		(mm)	(m)
0.25	=	2562.5	2.56
0.50	=	2225	2.23
0.75	=	1887.5	1.89

Depth at start of test (mm)	=	1550
Depth at end of test (mm)	=	1550

Base area of pit	=	1.62
α_{p50} - 50% internal surface area inc. base	=	6.075
V_{p75-25} - Volume 75 - 25%	=	1.0935

Read from the graph:			
t_{p75} (min)	=	n/a	
t_{p25} (min)	=	n/a	



Test did not attain 25% Effective depth. Unable to calculate soil infiltration rate

SOIL INFILTRATION RATE IN ACCORDANCE WITH BRE DIGEST 365: 1991



Client:	The Wentworth Trustees
Engineer	Rhianne Hughes
Job Name:	Smithywood Lane, Dodsworth
Job No.:	1979

Date:	17/04/2020
Trial Pit No.	TP18
Test No.	1

Time	Elapsed Time (min)	Depth to water from ground level (m)	(mm)
10:59	0	1.60	1600
11:00	1	1.60	1600
11:01	2	1.60	1600
11:02	3	1.60	1600
11:03	4	1.62	1620
11:04	5	1.64	1640
11:09	10	1.64	1640
11:14	15	1.64	1640
11:19	20	1.64	1640
12:31	92	1.70	1700
13:22	142	1.72	1720
14:13	193	1.75	1750
15:04	249	1.77	1770
15:32	267	1.78	1780

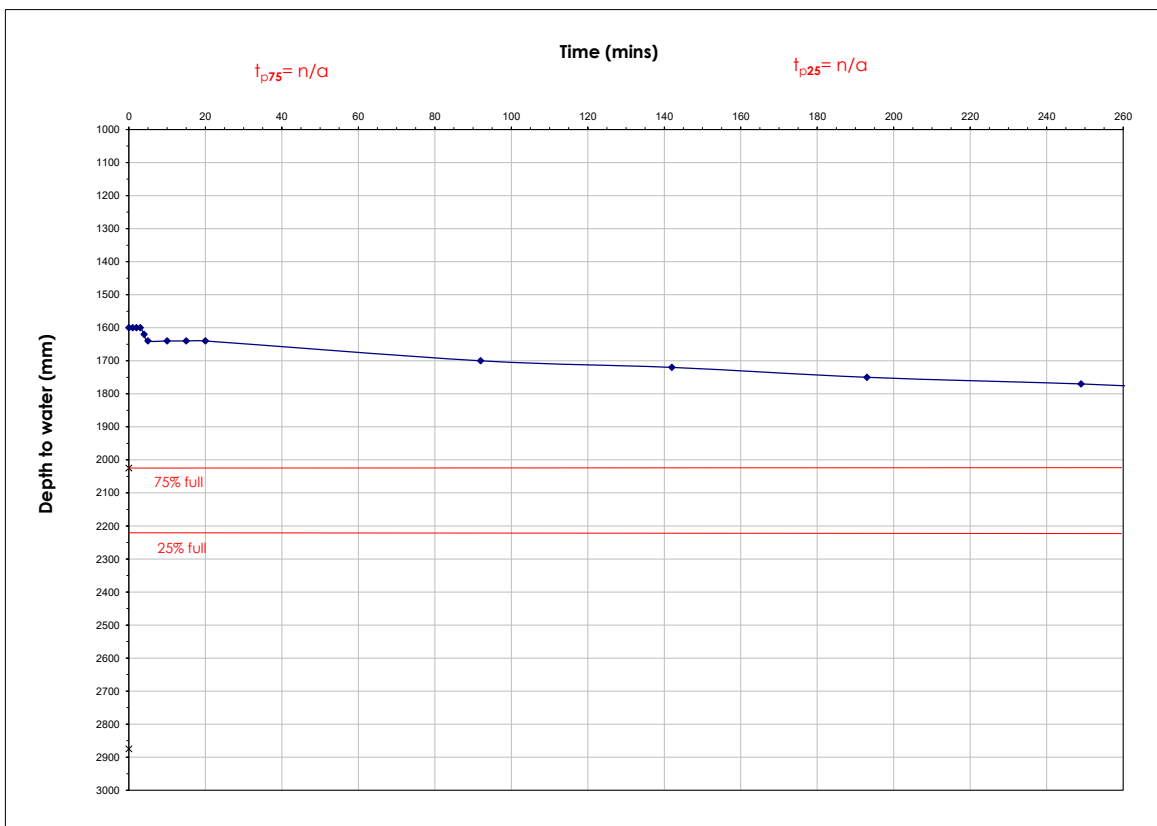
SOAKAWAY TRIAL PIT			
Dimensions		(m)	(mm)
Length	=	2.90	2900
Width	=	0.60	600
Depth	=	3.30	3300

Effective Depth (% full)		(mm)	(m)
0.25	=	2875	2.88
0.50	=	2450	2.45
0.75	=	2025	2.03

Depth at start of test (mm)	=	1600
Depth at end of test (mm)	=	1780

Base area of pit	=	1.74
A_{p50} - 50% internal surface area inc. base	=	7.69
V_{p75-25} - Volume 75 - 25%	=	1.479

Read from the graph:		
t_{p75} (min)	=	n/a
t_{p25} (min)	=	n/a



Test did not attain 25% Effective depth. Unable to calculate soil infiltration rate

SOIL INFILTRATION RATE IN ACCORDANCE WITH BRE DIGEST 365: 1991



Client:	The Wentworth Trustees
Engineer	Rhianne Hughes
Job Name:	Smithywood Lane, Dodsworth
Job No.:	1979

Date:	17/04/2020
Trial Pit No.	TP19
Test No.	1

Time	Elapsed Time	Depth to water from ground level	
	(min)	(m)	(mm)
11:29	0	1.80	1800
11:30	1	1.80	1800
11:31	2	1.80	1800
11:32	3	1.80	1800
11:33	4	1.80	1800
11:34	5	1.80	1800
11:39	10	1.80	1800
11:44	15	1.80	1800
11:49	25	1.80	1800
12:27	43	1.80	1800
13:27	103	1.83	1830
14:37	173	1.83	1830
15:20	216	1.83	1830

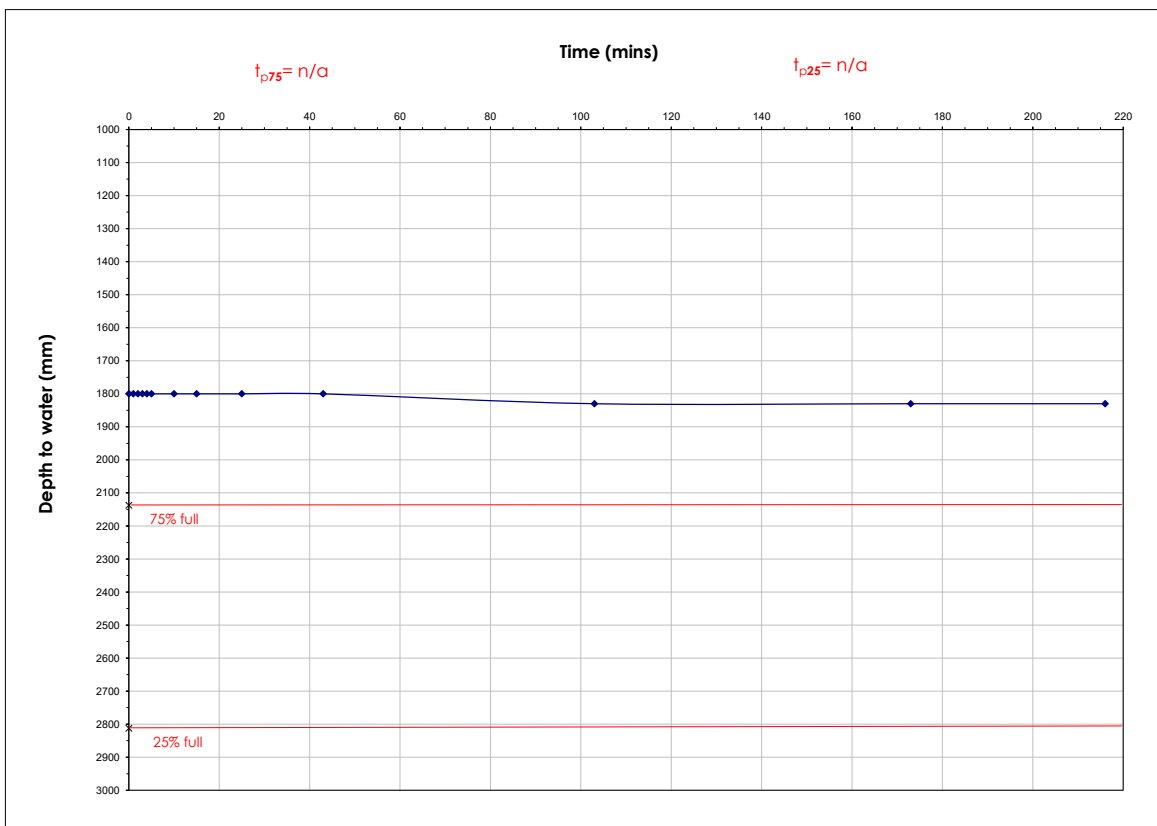
SOAKAWAY TRIAL PIT			
Dimensions		(m)	(mm)
Length	=	2.90	2900
Width	=	0.60	600
Depth	=	3.15	3150

Effective Depth (% full)		(mm)	(m)
0.25	=	2812.5	2.81
0.50	=	2475	2.48
0.75	=	2137.5	2.14

Depth at start of test (mm)	=	1800
Depth at end of test (mm)	=	1830

Base area of pit	=	1.74
A_{p50} - 50% internal surface area inc. base	=	6.465
V_{p75-25} - Volume 75 - 25%	=	1.1745

Read from the graph:			
t_{p75} (min)	=	n/a	
t_{p25} (min)	=	n/a	



Test did not attain 25% Effective depth. Unable to calculate soil infiltration rate

SOIL INFILTRATION RATE IN ACCORDANCE WITH BRE DIGEST 365: 1991



Client:	The Wentworth Trustees
Engineer	Rhianne Hughes
Job Name:	Smithywood Lane, Dodsworth
Job No.:	1979

Date:	17/04/2020
Trial Pit No.	TP20
Test No.	1

Time	Elapsed Time	Depth to water from ground level	
	(min)	(m)	(mm)
11:58	0	1.78	1780
11:59	1	1.78	1780
12:00	2	1.78	1780
12:01	3	1.78	1780
12:02	4	1.78	1780
12:03	5	1.78	1780
12:08	10	1.78	1780
12:13	15	1.78	1780
12:23	25	1.78	1780
13:33	75	1.78	1780
14:21	123	1.78	1780
15:10	172	1.78	1780
15:37	199	1.78	1780

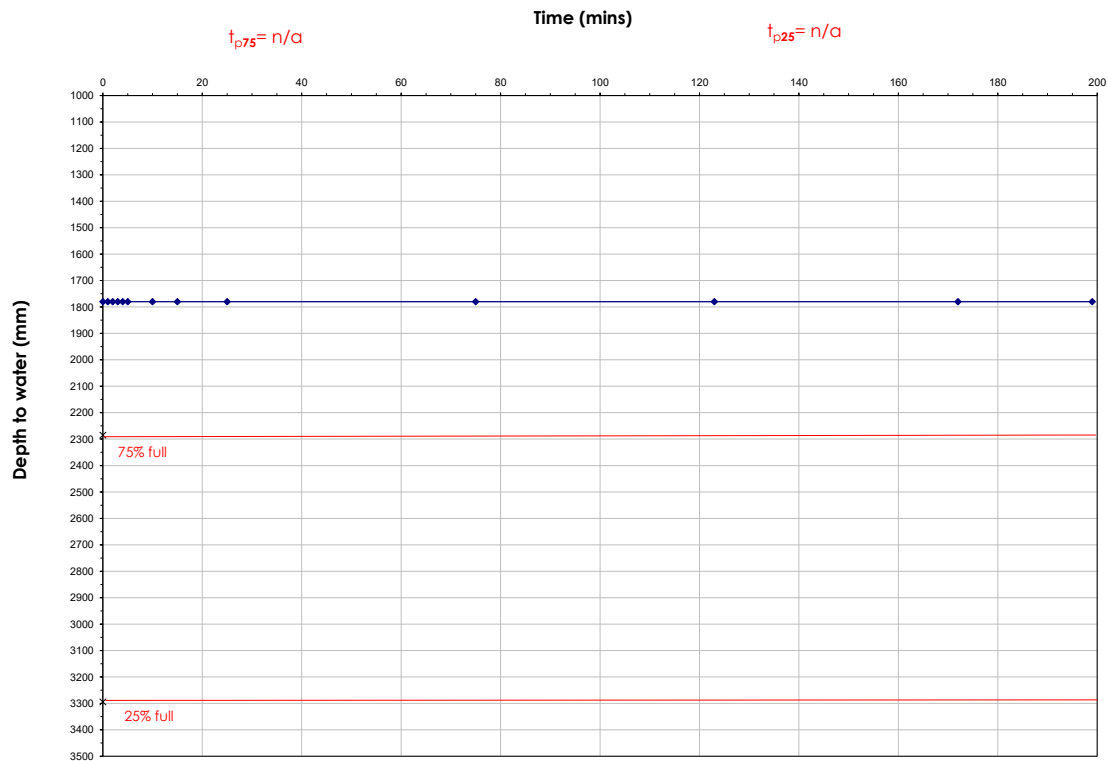
SOAKAWAY TRIAL PIT			
Dimensions		(m)	(mm)
Length	=	3.10	3100
Width	=	0.60	600
Depth	=	3.80	3800

Effective Depth (% full)		(mm)	(m)
0.25	=	3295	3.30
0.50	=	2790	2.79
0.75	=	2285	2.29

Depth at start of test (mm)	=	1780
Depth at end of test (mm)	=	1780

Base area of pit	=	1.86
A_{p50} - 50% internal surface area inc. base	=	9.334
V_{p75-25} - Volume 75 - 25%	=	1.8786

Read from the graph:			
t_{p75} (min)	=	n/a	
t_{p25} (min)	=	n/a	



Test did not attain 25% Effective depth. Unable to calculate soil infiltration rate

Appendix L

Gas Monitoring Results

Job Title:										Job No:					
Smithywood Lane, Dodworth										1979					
Client:										Sheet :					
The Wentworth Trustees										1 of 17					
Date:		Arrival Time:		Depart Time:		Operator:									
23/06/2020		09:10		13:45		LT									

Gas Monitoring Results:													
Ambient Concentration (% Volume):		CH ₄ :		0.0		CO ₂ :		0.0		O ₂ :		20.2	

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	5.45	0.0	1.6	0.0	1.4	4.8	0.1	0.0	440.0	5.92	CO/H2S 0ppm
PH03A	1.25	0.0	0.5	0.0	0.4	19.9	0.8	0.0	260.0	3.96	Flow fluctuating between 0.0 and 0.4, settled after 4 minutes
PH05A	5.36	0.0	0.9	0.0	0.9	17.0	0.1	0.0	360.0	5.52	
PH06A	3.87	0.0	0.7	0.0	0.7	15.2	0.0	0.0	320.0	3.91	CO/H2S 0ppm
PH08A	3.44	0.0	1.6	0.0	1.6	10.8	0.0	0.0	180.0	3.93	CO/H2S 0ppm
PH10A	2.58	0.0	0.2	0.0	0.1	20.3	82.5	0.1	400.0	5.92	Gas discharging noise when opening tap
PH11A	3.22	0.0	0.4	0.0	0.4	6.1	54.4	23.1	660.0	5.90	
PH17A	3.39	0.0	0.1	0.0	0.1	19.6	0.0	0.0	300.0	3.94	
PH20A	ND	0.0	0.0	0.0	0.0	16.6	0.1	0.0	230.0	3.93	CO/H2S 0ppm
PH21A	2.34	0.0	0.0	0.0	0.0	20.3	-22.0	0.0	600.0	5.88	Gas discharging noise when opening tap
PH29A	0.65	0.0	0.0	0.0	0.0	20.9	0.1	0.0	180.0	3.95	
PH30A	2.88	0.0	0.0	0.0	0.0	20.0	0.1	0.0	210.0	3.95	

Equipment Used:						Next Calibration Date				Key				
Gas Data GFM436 Infrared Gas Analyser Geotechnical Instruments Dipmeter						22/02/2021				ND				None Detected
										NR				Not Recorded
										1.0				Recorded value does not breach trigger levels
										5.0				Recorded value breaches trigger level 1
						10.0				Recorded value breaches trigger level 2				

	Site Data:			Weather Station Data (Barnsley Station)							CH ₄	CO ₂	O ₂	
	Temp (°C):	21		Barometric Pressure Trend:			Steady							
Time:	09:20	11:20	13:25	08:49	09:49	10:49	11:49	12:49	13:49	Trigger level 1	1.0	5.0	16.0	
Pressure (mb):	1013	1012	1010	1010	1010	1010	1010	1010	1010	Trigger level 2	5.0	10.0	10.0	
	Weather Conditions:		Sunny											
	Surface Ground Conditions:		Dry											
Remarks:														

Job Title:										Job No:					
Smithywood Lane, Dodworth										1979					
Client:										Sheet :					
The Wentworth Trustees										2 of 17					
Date:		Arrival Time:		Depart Time:		Operator:									
23/06/2020		09:10		13:45		LT									

Gas Monitoring Results:													
Ambient Concentration (% Volume):		CH ₄ :		0.0		CO ₂ :		0.0		O ₂ :		20.2	

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	5.45	0.0	1.6	0.0	1.4	4.8	0.1	0.0	440.0	5.92	
PH03A	3.03	0.0	0.5	0.0	0.4	19.9	0.8	0.0	260.0	3.96	Returned at 13:26
PH05A	5.36	0.0	0.9	0.0	0.9	17.0	0.1	0.0	360.0	5.52	
PH06A	3.87	0.0	0.7	0.0	0.7	15.2	0.0	0.0	320.0	3.91	
PH08A	3.44	0.0	1.6	0.0	1.6	10.8	0.0	0.0	180.0	3.93	
PH10A	2.81	0.0	0.2	0.0	0.1	20.3	82.5	0.1	400.0	5.92	Returned at 13:23
PH11A	3.22	0.0	0.4	0.0	0.4	6.1	54.4	23.1	660.0	5.90	
PH17A	3.39	0.0	0.1	0.0	0.1	19.6	0.0	0.0	300.0	3.94	
PH20A	ND	0.0	0.0	0.0	0.0	16.6	0.1	0.0	230.0	3.93	
PH21A	3.11	0.0	0.0	0.0	0.0	20.3	-22.0	0.0	600.0	5.88	Returned at 11:41.
PH29A	1.85	0.0	0.0	0.0	0.0	20.9	0.1	0.0	180.0	3.95	Returned at 13:34.
PH30A	2.88	0.0	0.0	0.0	0.0	20.0	0.1	0.0	210.0	3.95	

Equipment Used:						Next Calibration Date				Key				
Gas Data GFM436 Infrared Gas Analyser Geotechnical Instruments Dipmeter						22/02/2021				ND				None Detected
										NR				Not Recorded
										1.0				Recorded value does not breach trigger levels
										5.0				Recorded value breaches trigger level 1
				10.0				Recorded value breaches trigger level 2						

	Site Data:			Weather Station Data (Barnsley Station)						CH ₄	CO ₂	O ₂		
	Temp (°C):	21		Barometric Pressure Trend:										
Time:	09:20	11:20	13:25	08:49	09:49	10:49	11:49	12:49	13:49	Trigger level 1	1.0	5.0	16.0	
Pressure (mb):	1013	1012	1010	1010	1010	1010	1010	1010	1010	Trigger level 2	5.0	10.0	10.0	
	Weather Conditions:		Sunny											
	Surface Ground Conditions:		Dry											
Remarks:														

Job Title:										Job No:		
Smithywood Lane, Dodworth										1979		
Client:										Sheet :		
The Wentworth Trustees										3 of 17		
Date:		Arrival Time:		Depart Time:		Operator:						
23/07/2020		08:15		11:00		CR						

Gas Monitoring Results:									
Ambient Concentration (% Volume):			CH ₄ :	0.0	CO ₂ :	0.0	O ₂ :	20.1	

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	5.50	0.0	2.2	0.0	2.2	2.0	0.7	0.3	90.0	5.50	Steady flow fluctuating between 0.0 and 0.7
PH03A	1.29	0.0	1.7	0.0	1.7	18.0	7.5	0.0	10.0	3.82	
PH05A	5.43	0.0	1.8	0.0	1.7	14.5	0.6	0.0	10.0	5.47	Steady flow fluctuating between 0.0 and 0.6
PH06A	3.55	0.0	1.3	0.0	1.3	13.7	0.8	0.0	5.0	3.83	Steady flow fluctuating between 0.0 and 0.6
PH08A	3.46	0.0	0.9	0.0	0.9	11.0	0.0	-0.3	5.0	3.84	
PH10A	2.64	0.0	0.4	0.0	0.4	19.6	30.7	3.0	20.0	6.78	
PH11A	3.38	0.0	0.9	0.0	0.9	0.3	9.5	4.9	170.0	5.79	
PH17A	3.76	0.0	0.5	0.0	0.4	19.1	0.3	0.0	10.0	3.91	
PH20A	ND	0.0	1.6	0.0	1.6	12.5	2.7	1.8	30.0	3.89	Steady flow fluctuating between 1.5 and 2.1
PH21A	3.09	0.0	0.0	0.0	0.0	17.0	-1.2	-1.5	180.0	5.83	Initial flow at -60.5 increasing to -1.2 over 3 minutes
PH29A	3.90	0.0	0.0	0.0	0.0	19.6	0.3	0.0	10.0	0.89	
PH30A	3.08	0.0	0.1	0.0	0.0	19.1	0.0	-0.3	5.0	3.83	

Equipment Used:						Next Calibration Date				Key			
Gas Data GFM436 Infrared Gas Analyser						22/02/2021				ND			
Geotechnical Instruments Dipmeter										None Detected			
										NR			
										Not Recorded			
										1.0			
										Recorded value does not breach trigger levels			
										5.0			
										Recorded value breaches trigger level 1			
										10.0			
										Recorded value breaches trigger level 2			

	Site Data:			Weather Station Data (Silkstone Common Weather Station)						CH ₄	CO ₂	O ₂		
	Temp (°C):	13		Barometric Pressure Trend:			Falling							
Time:	08:20	09:30	10:50	00:04	04:04	08:19	09:29	10:49	14:04	Trigger level 1	1.0	5.0	16.0	
Pressure (mb):	1003	1002	1001	1018	1017	1016	1015	1015	1015	Trigger level 2	5.0	10.0	10.0	
	Weather Conditions:		Overcast											
	Surface Ground Conditions:		Dry ground											
Remarks:														

Job Title:										Job No:		
Smithywood Lane, Dodworth										1979		
Client:										Sheet :		
The Wentworth Trustees										4 of 17		
Date:		Arrival Time:		Depart Time:		Operator:						
23/07/2020		08:15		11:00		CR						

Gas Monitoring Results:														
Ambient Concentration (% Volume):			CH₄:		0.0		CO₂:		0.0		O₂:		20.1	

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	5.50	0.0	2.2	0.0	2.2	2.0	0.7	0.3	90.0	5.50	Steady flow fluctuating between 0.0 and 0.7
PH03A	2.70	0.0	0.1	0.0	0.1	19.9	70.5	3.1	20.0		Bailed out 5 litres to 2.87m - returned 20 minutes later to monitor
PH05A	5.43	0.0	1.8	0.0	1.7	14.5	0.6	0.0	10.0	5.47	Steady flow fluctuating between 0.0 and 0.6
PH06A	3.55	0.0	1.3	0.0	1.3	13.7	0.8	0.0	5.0	3.83	Steady flow fluctuating between 0.0 and 0.6
PH08A	3.46	0.0	0.9	0.0	0.9	11.0	0.0	-0.3	5.0	3.84	
PH10A	3.14	0.0	0.1	0.0	0.1	20.1	122.9	7.0	150.0		Bailed out 5 litres to 3.53m - returned 20 minutes later to monitor
PH11A	3.38	0.0	0.9	0.0	0.9	0.3	9.5	4.9	170.0	5.79	
PH17A	3.76	0.0	0.5	0.0	0.4	19.1	0.3	0.0	10.0	3.91	
PH20A	ND	0.0	1.6	0.0	1.6	12.5	2.7	1.8	30.0	3.89	Steady flow fluctuating between 1.5 and 2.1
PH21A	3.09	0.0	0.0	0.0	0.0	17.0	-1.2	-1.5	180.0	5.83	Initial flow at -60.5 increasing to -1.2 over 3 minutes
PH29A	1.76	0.0	0.0	0.0	0.0	19.9	0.4	0.0	5.0		Bailed out 5 litres to 2.36m - returned 10 minutes later to monitor
PH30A	3.08	0.0	0.1	0.0	0.0	19.1	0.0	-0.3	5.0	3.83	

Equipment Used:						Next Calibration Date				Key				
Gas Data GFM436 Infrared Gas Analyser						22/02/2021				ND				None Detected
Geotechnical Instruments Dipmeter										NR				Not Recorded
										1.0				Recorded value does not breach trigger levels
										5.0				Recorded value breaches trigger level 1
										10.0				Recorded value breaches trigger level 2

	Site Data:			Weather Station Data (Silkstone Common Weather Station)						CH ₄	CO ₂	O ₂		
	Temp (°C):	13		Barometric Pressure Trend:			Falling							
Time:	08:20	09:30	10:50	00:04	04:04	08:19	09:29	10:49	14:04	Trigger level 1	1.0	5.0	16.0	
Pressure (mb):	1003	1002	1001	1018	1017	1016	1015	1015	1015	Trigger level 2	5.0	10.0	10.0	
	Weather Conditions:		Overcast											
	Surface Ground Conditions:		Dry ground											
Remarks:														

Job Title:										Job No:		
Smithywood Lane, Dodworth										1979		
Client:										Sheet :		
The Wentworth Trustees										5 of 17		
Date:		Arrival Time:		Depart Time:		Operator:						
17/08/2020		15:00		16:45		A Taylor						

Gas Monitoring Results:									
Ambient Concentration (% Volume):			CH₄:	0.0	CO₂:	0.0	O₂:	20.4	

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	5.70	ND	2.7	ND	2.7	1.0	1.5	1.2	300.0	5.86	Ground Pressure 7Pa.
PH03A	1.40	ND	4.3	ND	4.3	14.3	105.4	ND	30.0	3.89	Ground Pressure 0Pa.
PH05A	5.46	ND	2.3	ND	2.3	13.3	ND	ND	ND	5.50	Ground Pressure -1Pa.
PH06A	3.73	ND	1.8	ND	1.8	12.4	1.5	ND	3.0	3.87	Ground Pressure 0Pa to1Pa.
PH08A	3.64	ND	4.5	ND	4.5	5.9	1.5	1.3	300.0	3.84	Ground Pressure 6Pa.
PH10A	2.47	ND	0.4	ND	0.4	20.1	119.8	0.7	600.0	5.80	Ground Pressure 3Pa.
PH11A	2.94	ND	1.1	ND	1.1	0.6	1.8	0.3	180.0	5.86	Ground Pressure 1Pa.
PH17A	ND	ND	0.7	ND	0.7	18.7	ND	ND	ND	3.89	Ground Pressure 0Pa.
PH20A	ND	ND	3.8	ND	3.8	6.1	0.6	0.6	300.0	3.90	Ground Pressure 2Pa.
PH21A	3.62	ND	0.0	ND	0.0	8.3	0.3	ND	2.0	5.80	Ground Pressure -1Pa.
PH29A	0.48	ND	ND	ND	ND	20.7	ND	ND	ND	3.90	Ground Pressure 0Pa.
PH30A	2.84	ND	0.2	ND	0.2	19.9	0.3	ND	2.0	3.86	Ground Pressure 0Pa.

Equipment Used:						Next Calibration Date				Key			
Gas Data GFM436 Infrared Gas Analyser						22/02/2021				ND			
Geotechnical Instruments Dipmeter										NR			
										1.0			
										5.0			
										10.0			

	Site Data:			Weather Station Data (Silkstone Common Weather Station)							CH ₄	CO ₂	O ₂	
	Temp (°C):	16		Barometric Pressure Trend:			Steady							
Time:	15:00	16:10	16:45	06:04	12:04	14:59	16:09	16:44	20:59	Trigger level 1	1.0	5.0	16.0	
Pressure (mb):	996	995	993	1011	1010	1010	1010	1010	1010	Trigger level 2	5.0	10.0	10.0	
	Weather Conditions:			Sunny and very hot.										
	Surface Ground Conditions:			Dry.										
Remarks:														

Job Title:								Job No:					
Smithywood Lane, Dodworth								1979					
Client:								Sheet :					
The Wentworth Trustees								6 of 17					
Date:		Arrival Time:		Depart Time:		Operator:							
22/09/2020		09:00		12:26		Lander Latta							
Gas Monitoring Results:													
Ambient Concentration (% Volume):				CH₄:	ND	CO₂:	ND	O₂:	21.6				
Monitoring Point	Groundwater level	Concentrations					Gas Flow Rates			Bottom of well	Remarks		
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum	Steady	Time to fall from highest to steady				
		CH₄	CO₂	CH₄	CO₂	O₂							
	(m) bgl	% v/v	(%)	% v/v	(%)	(%)	litre/hr	litre/hr	secs	m			
PH01A	5.94	ND	3.2	ND	3.2	0.2	ND	ND	ND	6.03			
PH03A	1.45	ND	4.0	ND	4.0	14.3	57.9	ND	30.0	4.00	Bailed to 3.38 at 11:08 (10l). Remonitored at 12:08.		
PH05A	5.64	ND	1.6	ND	1.6	16.5	ND	ND	ND	5.64			
PH06A	4.13	ND	2.0	ND	2.0	14.4	ND	ND	ND	4.13			
PH08A	4.18	ND	5.7	ND	5.7	4.8	ND	ND	ND	4.18			
PH10A	5.97	ND	0.6	ND	0.6	19.7	46.0	0.5	15.0	5.97	Bailed to 5.58 at 10:45 (20l). Remonitored at 11:53.		
PH11A	4.03	ND	1.7	ND	1.7	0.1	0.7	0.7	ND	5.97			
PH17A	4.08	ND	1.0	ND	0.2	21.0	ND	ND	ND	4.03			
PH20A	6.04	ND	6.2	ND	6.2	4.3	2.1	0.3	10.0	4.08			
PH21A	6.04	ND	ND	ND	ND	4.2	3.2	0.0	2.0	6.04			
PH29A	4.01	ND	ND	ND	ND	21.6	ND	ND	ND	4.01	Bailed to 3.85 at 11:39 (10l). Remonitored at 12:19.		
PH30A	3.94	ND	0.1	ND	0.1	19.7	ND	ND	ND	3.94			
Equipment Used:						Next Calibration Date			Key				
Gas Data GFM436 Infrared Gas Analyser						22/02/2021			ND None Detected				
Geotechnical Instruments Dipmeter									NR Not Recorded				
									1.0 Recorded value does not breach trigger levels				
									5.0 Recorded value breaches trigger level 1				
									10.0 Recorded value breaches trigger level 2				
		Site Data:		Weather Station Data (Monk Bretton Weather Station)									
		Temp (°C):		13 - 23		Barometric Pressure Trend:				Falling			
Time:	09:00	10:29	12:26	12:04	08:59	10:29	12:29	17:59	19:59	Trigger level 1	1.0	5.0	16.0
Pressure (mb):	993	990	986	1015	1010	1009	1007	1004	1004	Trigger level 2	5.0	10.0	10.0
		Weather Conditions:		Sunny									
		Surface Ground Conditions:		Dry									
Remarks:													

Job Title:								Job No:					
Smithywood Lane, Dodworth								1979					
Client:								Sheet :					
The Wentworth Trustees								7 of 17					
Date:		Arrival Time:		Depart Time:		Operator:							
22/09/2020		09:00		12:26		Lander Latta							

Gas Monitoring Results:											
Ambient Concentration (% Volume):				CH₄:	ND	CO₂:	ND	O₂:	21.6		

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	5.94	ND	3.2	ND	3.2	0.2	ND	ND	ND	6.03	
PH03A	3.12	ND	0.3	ND	0.3	20.4	120.9	0.9	100.0	4.00	Remonitored at 12:08.
PH05A	5.64	ND	1.6	ND	1.6	16.5	ND	ND	ND	5.64	
PH06A	4.13	ND	2.0	ND	2.0	14.4	ND	ND	ND	4.13	
PH08A	4.18	ND	5.7	ND	5.7	4.8	ND	ND	ND	4.18	
PH10A	3.95	ND	ND	ND	ND	21.3	120.7	8.2	30.0	5.92	Remonitored at 11:53.
PH11A	4.03	ND	1.7	ND	1.7	0.1	0.7	0.7	ND	5.97	
PH17A	4.08	ND	1.0	ND	0.2	21.0	ND	ND	ND	4.03	
PH20A	6.04	ND	6.2	ND	6.2	4.3	2.1	0.3	10.0	4.08	
PH21A	6.04	ND	ND	ND	ND	4.2	3.2	0.0	2.0	6.04	
PH29A	2.17	ND	ND	ND	ND	21.3	0.3	0.0	5.0	4.01	Remonitored at 12:19.
PH30A	3.94	ND	0.1	ND	0.1	19.7	ND	ND	ND	3.94	

Equipment Used:						Next Calibration Date				Key			
Gas Data GFM436 Infrared Gas Analyser						22/02/2021				ND			
Geotechnical Instruments Dipmeter										NR			
										1.0			
										5.0			
										10.0			

	Site Data:			Weather Station Data (Monk Bretton Weather Station)						CH ₄	CO ₂	O ₂		
	Temp (°C):	13 - 23		Barometric Pressure Trend:			Falling							
Time:	09:00	10:29	12:26	12:04	08:59	10:29	12:29	17:59	19:59	Trigger level 1	1.0	5.0	16.0	
Pressure (mb):	993	990	986	1015	1010	1009	1007	1004	1004	Trigger level 2	5.0	10.0	10.0	
	Weather Conditions:		Sunny											
	Surface Ground Conditions:		Dry											
Remarks:														

Job Title:								Job No:					
Smithywood Lane, Dodworth								1979					
Client:								Sheet :					
The Wentworth Trustees								8 of 17					
Date:		Arrival Time:		Depart Time:		Operator:							
06/10/2020		14:00		16:40		Lander Latta							

Gas Monitoring Results:														
Ambient Concentration (% Volume):			CH₄:		ND		CO₂:		ND		O₂:		20.9	

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	5.11	ND	3.5	ND	3.5	ND	-1.6	-0.7	30.0	5.94	
PH03A	1.15	ND	3.7	ND	3.7	16.4	77.7	0.0	10.0	3.98	Bailed at 14:43 to 3.15m (10 Litres)
PH05A	ND	ND	1.6	ND	1.6	15.8	-2.5	0.0	10.0	5.58	
PH06A	3.47	ND	2.8	ND	2.8	12.3	94.5	0.0	25.0	3.92	
PH08A	3.56	ND	6.6	ND	6.6	4.3	ND	ND	ND	3.96	
PH10A	2.64	ND	0.7	ND	0.7	19.6	120.0	3.0	200.0	5.88	Bailed at 14:57 to 4.77m (20 Litres). Bailer lost down the well.
PH11A	3.38	ND	2.0	ND	2.0	0.3	ND	ND	ND	5.95	
PH17A	ND	ND	0.6	ND	0.6	20.3	ND	ND	ND	4.00	
PH20A	3.45	ND	ND	ND	ND	3.3	ND	ND	ND	5.91	
PH21A	ND	ND	8.0	ND	8.0	2.6	-2.7	0.0	10.0	3.97	
PH29A	0.41	ND	ND	ND	ND	21.1	ND	ND	ND	3.98	Bailed at 14:15 to 3.81m (15 Litres)
PH30A	2.14	ND	0.2	ND	0.2	19.2	ND	ND	ND	3.93	

Equipment Used:						Next Calibration Date				Key				
Gas Data GFM436 Infrared Gas Analyser Geotechnical Instruments Dipmeter						22/02/2021				ND				None Detected
										NR				Not Recorded
										1.0				Recorded value does not breach trigger levels
										5.0				Recorded value breaches trigger level 1
										10.0				Recorded value breaches trigger level 2

	Site Data:			Weather Station Data (Silkstone Common Station)										
	Temp (°C):	11 -- 13		Barometric Pressure Trend:			Falling then Rising							
Time:	14:00	15:49	16:40	00:04	05:59	13:59	15:49	16:39	19:59	Trigger level 1	1.0	5.0	16.0	
Pressure (mb):	978	977	976	997	996	997	997	998	1001	Trigger level 2	5.0	10.0	10.0	
	Weather Conditions:		Raining											
	Surface Ground Conditions:		Wet											
Remarks:														

Job Title:								Job No:					
Smithywood Lane, Dodworth								1979					
Client:								Sheet :					
The Wentworth Trustees								9 of 17					
Date:		Arrival Time:		Depart Time:		Operator:							
06/10/2020		14:00		16:40		Lander Latta							

Gas Monitoring Results:														
Ambient Concentration (% Volume):			CH₄:		ND		CO₂:		ND		O₂:		20.9	

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	5.11	ND	3.5	ND	3.5	ND	-1.6	-0.7	30.0	5.94	
PH03A	2.65	ND	0.5	ND	0.5	20.8	46.4	0.5	30.0	3.97	Remonitored at 16:22.
PH05A	ND	ND	1.6	ND	1.6	15.8	-2.5	0.0	10.0	5.58	
PH06A	3.47	ND	2.8	ND	2.8	12.3	94.5	0.0	25.0	3.92	
PH08A	3.56	ND	6.6	ND	6.6	4.3	ND	ND	ND	3.96	
PH10A	3.42	ND	0.2	ND	0.2	20.7	120.0	7.5	500.0	4.91	Remonitored at 16:10.
PH11A	3.38	ND	2.0	ND	2.0	0.3	ND	ND	ND	5.95	
PH17A	ND	ND	0.6	ND	0.6	20.3	ND	ND	ND	4.00	
PH20A	3.45	ND	ND	ND	ND	3.3	ND	ND	ND	5.91	
PH21A	ND	ND	8.0	ND	8.0	2.6	-2.7	0.0	10.0	3.97	
PH29A	0.50	ND	ND	ND	ND	20.9	ND	ND	ND	4.18	Remonitored at 16:32.
PH30A	2.14	ND	0.2	ND	0.2	19.2	ND	ND	ND	3.93	

Equipment Used:						Next Calibration Date				Key							
Gas Data GFM436 Infrared Gas Analyser						22/02/2021				ND				None Detected			
Geotechnical Instruments Dipmeter										NR				Not Recorded			
										1.0				Recorded value does not breach trigger levels			
										5.0				Recorded value breaches trigger level 1			
										10.0				Recorded value breaches trigger level 2			

Site Data:				Weather Station Data (Silkstone Common Station)																									
Temp (°C):				Barometric Pressure Trend:				Falling then Rising																					
11 -- 13																													
Time:		14:00		15:49		16:40		00:04		05:59		13:59		15:49		16:39		19:59		Trigger level 1		1.0		5.0		16.0			
Pressure (mb):		978		977		976		997		996		997		997		998		1001		Trigger level 2		5.0		10.0		10.0			
Weather Conditions:				Raining																									
Surface Ground Conditions:				Wet																									
Remarks:																													

Job Title:								Job No:					
Smithywood Lane, Dodworth								1979					
Client:								Sheet :					
The Wentworth Trustees								10 of 17					
Date:		Arrival Time:		Depart Time:		Operator:							
28/10/2020		09:00		12:05		Lander Latta							

Gas Monitoring Results:													
Ambient Concentration (% Volume):		CH₄:		ND		CO₂:		0.1		O₂:		20.3	

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	4.52	ND	3.2	ND	3.2	0.0	ND	ND	ND	5.94	
PH03A	1.74	ND	4.5	ND	4.5	15.8	120.9	0.0	30.0	3.86	Bailed 09:42 - 09:45 to 3.27m (10l). 2.98m dip at 09:31. Remonitored at 11:57.
PH05A	5.16	ND	1.4	ND	1.4	15.3	ND	ND	ND	5.56	
PH06A	3.05	ND	3.1	ND	3.1	10.7	-12.7	0.0	10.0	3.91	
PH08A	3.47	ND	5.7	ND	5.7	3.6	ND	ND	ND	3.93	
PH10A	2.38	ND	1.0	ND	1.0	19.4	103.5	0.0	40.0	4.83	Bailed 09:55 - 10:26 to 5.19m (20l). 4.45m dip at 10:45. Remonitored at 11:50. Bailer was stuck in the well from last visit.
PH11A	3.04	ND	2.1	ND	2.1	0.3	48.1	0.0	25.0	5.94	
PH17A	3.68	ND	0.9	ND	0.9	18.9	ND	ND	ND	4.00	
PH20A	ND	ND	7.0	ND	7.0	2.4	-11.5	-4.5	40.0	3.96	
PH21A	2.00	ND	0.2	ND	0.2	4.2	121.6	0.0	400.0	5.88	Bailed 11:08 - 11:19 to 4.52m (30l). 2.74m dip at 11:38. Not remonitored as dip is now above the Response Zone.
PH29A	0.40	ND	0.1	ND	0.1	20.4	ND	ND	ND	3.99	Bailed 09:15 - 09:19 to 3.87m (13l). 2.90m dip at 09:31. Not Remonitored.
PH30A	2.64	ND	0.5	ND	0.5	17.7	ND	ND	ND	3.93	

Equipment Used:						Next Calibration Date				Key							
Gas Data GFM436 Infrared Gas Analyser						22/02/2021				ND				None Detected			
Geotechnical Instruments Dipmeter										NR				Not Recorded			
										1.0				Recorded value does not breach trigger levels			
										5.0				Recorded value breaches trigger level 1			
										10.0				Recorded value breaches trigger level 2			

	Site Data:			Weather Station Data (Monk Bretton Weather Station)										
	Temp (°C):	8 to 11		Barometric Pressure Trend:			Rising			CH ₄	CO ₂	O ₂		
Time:	09:00	10:58	12:05	12:04	08:59	10:59	12:04	17:59	19:59	Trigger level 1	1.0	5.0	16.0	
Pressure (mb):	984	985	983	995	997	997	997	999	1001	Trigger level 2	5.0	10.0	10.0	
	Weather Conditions:		Cloudy											
	Surface Ground Conditions:		Dry											
Remarks:														

Job Title:								Job No:					
Smithywood Lane, Dodworth								1979					
Client:								Sheet :					
The Wentworth Trustees								11 of 17					
Date:		Arrival Time:		Depart Time:		Operator:							
28/10/2020		09:00		12:05		Lander Latta							

Gas Monitoring Results:														
Ambient Concentration (% Volume):			CH₄:		ND		CO₂:		0.1		O₂:		20.3	

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	4.52	ND	3.2	ND	3.2	0.0	ND	ND	ND	5.94	
PH03A	2.79	ND	0.7	ND	0.7	19.7	121.0	0.0	100.0	3.90	Remonitored at 11:57.
PH05A	5.16	ND	1.4	ND	1.4	15.3	ND	ND	ND	5.56	
PH06A	3.05	ND	3.1	ND	3.1	10.7	-12.7	0.0	10.0	3.91	
PH08A	3.47	ND	5.7	ND	5.7	3.6	ND	ND	ND	3.93	
PH10A	3.23	ND	0.4	ND	0.4	20.1	120.5	0.0	60.0	5.80	Remonitored at 11:50. Bailer was stuck in the well from last visit. Bailer Removed.
PH11A	3.04	ND	2.1	ND	2.1	0.3	48.1	0.0	25.0	5.94	
PH17A	3.68	ND	0.9	ND	0.9	18.9	ND	ND	ND	4.00	
PH20A	ND	ND	7.0	ND	7.0	2.4	-11.5	-4.5	40.0	3.96	
PH21A	2.00	ND	0.2	ND	0.2	4.2	121.6	0.0	400.0	5.88	Not remonitoredd as dip is now above the Response Zone.
PH29A	0.40	ND	0.1	ND	0.1	20.4	ND	ND	ND	3.99	Not Remonitoredd.
PH30A	2.64	ND	0.5	ND	0.5	17.7	ND	ND	ND	3.93	

Equipment Used:						Next Calibration Date				Key							
Gas Data GFM436 Infrared Gas Analyser						22/02/2021				ND				None Detected			
Geotechnical Instruments Dipmeter										NR				Not Recorded			
										1.0				Recorded value does not breach trigger levels			
										5.0				Recorded value breaches trigger level 1			
										10.0				Recorded value breaches trigger level 2			

	Site Data:			Weather Station Data (Monk Bretton Weather Station)										
	Temp (°C):	8 to 11		Barometric Pressure Trend:			Rising			CH ₄	CO ₂	O ₂		
Time:	09:00	10:58	12:05	12:04	08:59	10:59	12:04	17:59	19:59	Trigger level 1	1.0	5.0	16.0	
Pressure (mb):	984	985	983	995	997	997	997	999	1001	Trigger level 2	5.0	10.0	10.0	
	Weather Conditions:		Cloudy											
	Surface Ground Conditions:		Dry											
Remarks:														

Job Title:								Job No:					
Smithywood Lane, Dodworth								1979					
Client:								Sheet :					
The Wentworth Trustees								12 of 17					
Date:		Arrival Time:		Depart Time:		Operator:							
10/11/2020		14:19		16:06		Lander Latta							

Gas Monitoring Results:													
Ambient Concentration (% Volume):		CH₄:		ND		CO₂:		0.1		O₂:		20.4	

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	4.79	ND	3.5	ND	3.5	ND	ND	ND	ND	5.53	
PH03A	2.37	ND	4.8	ND	4.8	13.5	120.0	0.0	90.0	3.96	
PH05A	5.46	ND	0.9	ND	0.9	16.5	ND	ND	ND	5.56	
PH06A	2.95	ND	3.0	ND	3.0	10.6	74.1	0.0	15.0	3.95	
PH08A	3.54	ND	5.5	ND	5.5	4.6	ND	ND	ND	3.97	
PH10A	2.86	ND	1.0	ND	1.0	19.6	119.9	0.0	90.0	5.84	Bailed 15:01 - 15:07 to 5.15m (17l). Remonitored at 15:50.
PH11A	3.08	ND	2.0	ND	2.0	1.8	-30.1	0.0	20.0	5.96	
PH17A	3.74	ND	1.2	ND	1.2	18.9	ND	ND	ND	4.00	
PH20A	ND	ND	7.1	ND	7.1	1.7	ND	ND	ND	4.00	
PH21A	1.68	ND	1.2	ND	1.2	18.6	84.3	0.0	150.0	5.73	Recharges Too fast.
PH29A	0.56	ND	0.1	ND	0.1	20.4	ND	ND	ND	3.99	Bailed 14:29 - 14:33 to 3.78m (13l). 3.10m Dip at 14:41. Remonitored at 15:58.
PH30A	2.79	ND	0.5	ND	0.5	18.1	ND	ND	ND	3.96	

Equipment Used:				Next Calibration Date				Key				
Gas Data GFM436 Infrared Gas Analyser				22/02/2021				ND				None Detected
Geotechnical Instruments Dipmeter								NR				Not Recorded
								1.0				Recorded value does not breach trigger levels
								5.0				Recorded value breaches trigger level 1
								10.0				Recorded value breaches trigger level 2

	Site Data:			Weather Station Data (Silkstone Common Station)										
	Temp (°C):	14 to 12		Barometric Pressure Trend:			Rising							
Time:	14:19	15:27	16:06	00:04	05:59	14:19	15:29	16:04	19:59	Trigger level 1	1.0	5.0	16.0	
Pressure (mb):	1011	1009	1009	1023	1023	1024	1024	1024	1025	Trigger level 2	5.0	10.0	10.0	
	Weather Conditions:		Cloudy											
	Surface Ground Conditions:		Dry											
Remarks:														

Job Title:										Job No:					
Smithywood Lane, Dodworth										1979					
Client:										Sheet :					
The Wentworth Trustees										13 of 17					
Date:		Arrival Time:		Depart Time:		Operator:									
10/11/2020		14:19		16:06		Lander Latta									

Gas Monitoring Results:													
Ambient Concentration (% Volume):		CH₄:		ND		CO₂:		0.1		O₂:		20.4	

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	4.79	ND	3.5	ND	3.5	ND	ND	ND	ND	5.53	
PH03A	2.37	ND	4.8	ND	4.8	13.5	120.0	0.0	90.0	3.96	
PH05A	6.46	ND	0.9	ND	0.9	16.5	ND	ND	ND	6.56	
PH06A	2.95	ND	3.0	ND	3.0	10.6	74.1	0.0	15.0	3.95	
PH08A	3.54	ND	5.5	ND	5.5	4.6	ND	ND	ND	3.97	
PH10A	3.97	ND	0.3	ND	0.3	20.4	120.2	0.0	90.0	5.82	Remonitored at 15:50.
PH11A	3.08	ND	2.0	ND	2.0	1.8	-30.1	0.0	20.0	5.96	
PH17A	3.74	ND	1.2	ND	1.2	18.9	ND	ND	ND	4.00	
PH20A	ND	ND	7.1	ND	7.1	1.7	ND	ND	ND	4.00	
PH21A	1.68	ND	1.2	ND	1.2	18.6	84.3	0.0	150.0	5.73	Recharges Too fast.
PH29A	0.73	ND	ND	ND	ND	19.8	ND	ND	ND	3.99	Remonitored at 15:58.
PH30A	2.79	ND	0.5	ND	0.5	18.1	ND	ND	ND	3.96	

Equipment Used:						Next Calibration Date				Key				
Gas Data GFM436 Infrared Gas Analyser Geotechnical Instruments Dipmeter						22/02/2021				ND				None Detected
										NR				Not Recorded
										1.0				Recorded value does not breach trigger levels
										5.0				Recorded value breaches trigger level 1
				10.0				Recorded value breaches trigger level 2						

	Site Data:			Weather Station Data (Silkstone Common Station)										
	Temp (°C):	14 to 12		Barometric Pressure Trend:			Rising							
Time:	14:19	15:27	16:06	00:04	05:59	14:19	15:29	16:04	19:59	Trigger level 1	1.0	5.0	16.0	
Pressure (mb):	1011	1009	1009	1023	1023	1024	1024	1024	1025	Trigger level 2	5.0	10.0	10.0	
	Weather Conditions:		Cloudy											
	Surface Ground Conditions:		Dry											
Remarks:														

Job Title:										Job No:					
Smithywood Lane, Dodworth										1979					
Client:										Sheet :					
The Wentworth Trustees										14 of 17					
Date:		Arrival Time:		Depart Time:		Operator:									
03/12/2020		09:06		11:19		Lander Latta									

Gas Monitoring Results:														
Ambient Concentration (% Volume):			CH₄:		ND		CO₂:		0.1		O₂:		20.4	

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	5.33	ND	3.5	ND	3.5	ND	38.0	19.6	15.0	5.92	Flow still decreasing below 19.6lt/hr, but very slowly (c. 0.1ltr/hr every 10 seconds)
PH03A	1.21	ND	4.0	ND	4.0	14.9	79.3	0.0	8.0	3.96	Bailed 09:46 - 09:51 to 3.27m (12l). Remonitored at 11:05.
PH05A	ND	ND	3.8	ND	3.8	6.8	29.4	2.6	30.0	5.58	
PH06A	2.98	ND	3.1	ND	3.1	9.6	25.2	0.0	10.0	3.94	
PH08A	5.53	ND	5.1	ND	5.1	4.7	5.2	4.5	5.0	3.96	
PH10A	2.87	ND	0.8	ND	0.8	19.6	120.5	4.6	90.0	5.79	Bailed 10:01 - 10:09 to 5.23m (16l). Remonitored at 11:14.
PH11A	3.31	ND	2.0	ND	2.0	0.9	103.3	90.4	30.0	5.95	Flow still decreasing below 90.4lt/hr, but very slowly (c. 0.1ltr/hr every 10 seconds)
PH17A	3.75	ND	1.2	ND	1.2	18.7	ND	ND	ND	4.01	
PH20A	ND	ND	7.5	ND	7.5	0.8	41.4	23.4	30.0	4.00	Flow still decreasing below 23.4lt/hr, but very slowly (c. 0.1ltr/hr every 10 seconds)
PH21A	1.63	ND	0.3	ND	0.3	17.5	51.4	0.0	70.0	5.80	
PH29A	0.55	ND	0.1	ND	0.1	20.4	0.0	0.0	ND	3.99	
PH30A	3.12	ND	0.4	ND	0.4	18.5	ND	ND	ND	3.93	

Equipment Used:						Next Calibration Date				Key				
Gas Data GFM436 Infrared Gas Analyser Geotechnical Instruments Dipmeter						22/02/2021				ND				None Detected
										NR				Not Recorded
										1.0				Recorded value does not breach trigger levels
										5.0				Recorded value breaches trigger level 1
				10.0				Recorded value breaches trigger level 2						

	Site Data:			Weather Station Data (Monk Bretton Station)						CH ₄	CO ₂	O ₂		
	Temp (°C):	4		Barometric Pressure Trend:			Falling							
Time:	09:06	10:38	11:19	00:04	09:04	10:39	11:19	17:59	19:59	Trigger level 1	1.0	5.0	16.0	
Pressure (mb):	978	975	974	1005	992	990	988	980	979	Trigger level 2	5.0	10.0	10.0	
	Weather Conditions:			Overcast										
	Surface Ground Conditions:			Damp										
Remarks:														

Job Title:										Job No:					
Smithywood Lane, Dodworth										1979					
Client:										Sheet :					
The Wentworth Trustees										15 of 17					
Date:		Arrival Time:		Depart Time:		Operator:									
03/12/2020		09:06		11:19		Lander Latta									

Gas Monitoring Results:														
Ambient Concentration (% Volume):			CH₄:		ND		CO₂:		0.1		O₂:		20.4	

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	5.33	ND	3.5	ND	3.5	0.0	38.0	19.6	15.0	5.92	Flow still decreasing below 19.6lt/hr, but very slowly (c. 0.1ltr/hr every 10 seconds)
PH03A	2.97	ND	0.6	ND	0.6	19.8	120.2	2.2	40.0	3.94	Bailed 09:46 - 09:51 to 3.27m (12l). Remonitored at 11:05.
PH05A	ND	ND	3.8	ND	3.8	6.8	29.4	2.6	30.0	5.58	
PH06A	2.98	ND	3.1	ND	3.1	9.6	25.2	0.0	10.0	3.94	
PH08A	5.53	ND	5.1	ND	5.1	4.7	5.2	4.5	5.0	3.96	
PH10A	3.61	ND	0.3	ND	0.3	19.7	120.2	9.0	45.0	5.79	Bailed 10:01 - 10:09 to 5.23m (16l). Remonitored at 11:14.
PH11A	3.31	ND	2.0	ND	2.0	0.9	103.3	90.4	30.0	5.95	Flow still decreasing below 90.4lt/hr, but very slowly (c. 0.1ltr/hr every 10 seconds)
PH17A	3.75	ND	1.2	ND	1.2	18.7	ND	ND	ND	4.01	
PH20A	ND	ND	7.5	ND	7.5	0.8	41.4	23.4	30.0	4.00	Flow still decreasing below 23.4lt/hr, but very slowly (c. 0.1ltr/hr every 10 seconds)
PH21A	1.63	ND	0.3	ND	0.3	17.5	51.4	0.0	70.0	5.80	
PH29A	0.55	ND	0.1	ND	0.1	20.4	0.0	0.0	ND	3.99	
PH30A	3.12	ND	0.4	ND	0.4	18.5	ND	ND	ND	3.93	

Equipment Used:						Next Calibration Date				Key				
Gas Data GFM436 Infrared Gas Analyser						22/02/2021				ND				None Detected
Geotechnical Instruments Dipmeter										NR				Not Recorded
										1.0				Recorded value does not breach trigger levels
										5.0				Recorded value breaches trigger level 1
										10.0				Recorded value breaches trigger level 2

	Site Data:			Weather Station Data (Monk Bretton Station)							CH ₄	CO ₂	O ₂	
	Temp (°C):	4		Barometric Pressure Trend:			Falling							
Time:	09:06	10:38	11:19	00:04	09:04	10:39	11:19	17:59	19:59	Trigger level 1	1.0	5.0	16.0	
Pressure (mb):	978	975	974	1005	992	990	988	980	979	Trigger level 2	5.0	10.0	10.0	
	Weather Conditions:		Overcast											
	Surface Ground Conditions:		Damp											
Remarks:														

Job Title:								Job No:					
Smithywood Lane, Dodworth								1979					
Client:								Sheet :					
The Wentworth Trustees								16 of 17					
Date:		Arrival Time:		Depart Time:		Operator:							
23/12/2020		15:05		16:03		Lander Latta							

Gas Monitoring Results:													
Ambient Concentration (% Volume):		CH₄:		ND		CO₂:		0.1		O₂:		20.1	

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	3.52	ND	3.3	ND	3.3	0.0	12.7	0.0	5.0	5.92	
PH03A	0.71	ND	4.2	ND	4.2	15.8	ND	ND	ND	3.91	Bailed 14:35 - 14:39 to 3.07m (10l). Remonitored at 15:58.
PH05A	ND	ND	1.8	ND	1.8	15.3	ND	ND	ND	5.58	
PH06A	3.52	ND	2.4	ND	2.4	9.3	121.6	0.0	30.0	3.95	
PH08A	3.46	ND	5.0	ND	5.0	4.5	ND	ND	ND	3.96	
PH10A	2.43	ND	1.7	ND	1.7	18.9	121.0	12.2	45.0	5.49	Bailed 14:46 - 14:52 to 4.70m (15l). Remonitored at 15:48.
PH11A	3.03	ND	2.3	ND	2.3	0.1	11.6	0.0	35.0	5.95	
PH17A	3.43	ND	1.4	ND	1.4	18.4	ND	ND	ND	4.01	
PH20A	ND	ND	0.6	ND	0.6	7.7	16.6	7.0	20.0	3.99	
PH21A	0.98	ND	ND	ND	ND	16.7	120.3	32.1	40.0	5.87	Flow still decreasing below 32.1lt/hr, but very slowly (c. 0.1ltr/hr every 10 seconds)
PH29A	0.05	ND	ND	ND	ND	20.2	ND	ND	ND	3.99	
PH30A	2.08	ND	0.6	ND	0.6	17.9	120.7	0.0	70.0	3.94	

Equipment Used:						Next Calibration Date				Key							
Gas Data GFM436 Infrared Gas Analyser						22/02/2021				ND				None Detected			
Geotechnical Instruments Dipmeter										NR				Not Recorded			
										1.0				Recorded value does not breach trigger levels			
										5.0				Recorded value breaches trigger level 1			
										10.0				Recorded value breaches trigger level 2			

	Site Data:			Weather Station Data (Monk Bretton Station)										
	Temp (°C):	5 to 4		Barometric Pressure Trend:			Falling the Rising			CH ₄	CO ₂	O ₂		
Time:	14:05	15:16	16:03	00:04	05:59	14:04	15:14	16:04	19:59	Trigger level 1	1.0	5.0	16.0	
Pressure (mb):	996	995	994	1012	1010	1008	1008	1009	1012	Trigger level 2	5.0	10.0	10.0	
	Weather Conditions:		Rain											
	Surface Ground Conditions:		Wet/ Surface water/ Streams flowing down paths											
Remarks:														

Job Title:										Job No:					
Smithywood Lane, Dodworth										1979					
Client:										Sheet :					
The Wentworth Trustees										17 of 17					
Date:		Arrival Time:		Depart Time:		Operator:									
23/12/2020		15:05		16:03		Lander Latta									

Gas Monitoring Results:															
Ambient Concentration (% Volume):				CH₄:		ND		CO₂:		0.1		O₂:		20.1	

Monitoring Point	Groundwater level (m) bgl	Concentrations					Gas Flow Rates			Bottom of well m	Remarks
		Initial / Highest		Steady concentrations		Lowest concn	Initial / Maximum litre/hr	Steady litre/hr	Time to fall from highest to steady secs		
		CH ₄	CO ₂	CH ₄	CO ₂	O ₂					
		% v/v	(%)	% v/v	(%)	(%)					
PH01A	3.52	ND	3.3	ND	3.3	0.0	12.7	0.0	5.0	5.92	
PH03A	2.54	ND	0.7	ND	0.7	19.6	103.3	0.0	20.0	3.94	Remonitored at 15:58.
PH05A	ND	ND	1.8	ND	1.8	15.3	ND	ND	ND	5.58	
PH06A	3.52	ND	2.4	ND	2.4	9.3	121.6	0.0	30.0	3.95	
PH08A	3.46	ND	5.0	ND	5.0	4.5	ND	ND	ND	3.96	
PH10A	3.25	ND	0.6	ND	0.6	19.6	121.6	20.1	75.0	5.49	Remonitored at 15:48.
PH11A	3.03	ND	2.3	ND	2.3	0.1	11.6	0.0	35.0	5.95	
PH17A	3.43	ND	1.4	ND	1.4	18.4	ND	ND	ND	4.01	
PH20A	ND	ND	0.6	ND	0.6	7.7	16.6	7.0	20.0	3.99	
PH21A	0.98	ND	ND	ND	ND	16.7	120.3	32.1	40.0	5.87	Flow still decreasing below 32.1lt/hr, but very slowly (c. 0.1ltr/hr every 10 seconds)
PH29A	0.05	ND	ND	ND	ND	20.2	ND	ND	ND	3.99	
PH30A	2.08	ND	0.6	ND	0.6	17.9	120.7	0.0	70.0	3.94	

Equipment Used:						Next Calibration Date				Key			
Gas Data GFM436 Infrared Gas Analyser Geotechnical Instruments Dipmeter						22/02/2021				ND		None Detected	
										NR		Not Recorded	
										1.0		Recorded value does not breach trigger levels	
										5.0		Recorded value breaches trigger level 1	
		10.0		Recorded value breaches trigger level 2									

	Site Data:			Weather Station Data (Monk Bretton Station)						CH ₄	CO ₂	O ₂		
	Temp (°C):	5 to 4		Barometric Pressure Trend:			Falling the Rising							
Time:	14:05	15:16	16:03	00:04	05:59	14:04	15:14	16:04	19:59	Trigger level 1	1.0	5.0	16.0	
Pressure (mb):	996	995	994	1012	1010	1008	1008	1009	1012	Trigger level 2	5.0	10.0	10.0	
	Weather Conditions:		Rain											
	Surface Ground Conditions:		Wet/ Surface water/ Streams flowing down paths											
Remarks:														

