



Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS04
Sheet 1 of 2

Project Name: Primrose Lane	Client: Jones Homes (Yorkshire) Ltd	Date: 23/03/2023
Location: Liversedge, West Yorkshire	Contractor: DMW Drilling Ltd	Co-ords: E419719.00 N424217.00
Project No. : LD10488	Drilling Equipment: Global	Level : 84.70m AoD

Logged By GP	Checked By EH	Approved By VC	SPT Energy Ratio 71%	Final Depth 5.45
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.30	84.40		MADE GROUND: Soft to firm brown slightly gravelly silty organic CLAY. Rootlets. Gravel is fine and medium angular of dark mudstone and brick. COHESIVE MADE GROUND	1
					1.10	83.60		MADE GROUND: Very dark grey slightly clayey fine and medium subangular to subrounded GRAVEL of mudstone. Occasional rootlets. GRANULAR MADE GROUND	
		1.00	SPT(C)	N=10 (2,2/2,2,3,3)	1.55	83.15		MADE GROUND: Very dark grey slightly sandy subangular to subrounded fine to coarse GRAVEL of clinker, mudstone and siltstone. Occasional brick and ceramic. GRANULAR MADE GROUND	
					2.08	82.62		MADE GROUND: Yellowish grey slightly sandy CLAY. COHESIVE MADE GROUND	
		2.00	SPT(C)	N=8 (2,3/3,2,1,2)				MADE GROUND: Light grey subangular fine to coarse GRAVEL of mudstone and siltstone. GRANULAR MADE GROUND	
		2.50	ES						
					3.80	80.90			3
					4.00			Firm yellowish grey CLAY. COHESIVE NATURAL, WEATHERED	4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
		1.00m	100mm												

Remarks
Terminated due to SPT refusal.



Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS04
Sheet 2 of 2

Project Name: Primrose Lane	Client: Jones Homes (Yorkshire) Ltd	Date: 23/03/2023
Location: Liversedge, West Yorkshire	Contractor: DMW Drilling Ltd	Co-ords: E419719.00 N424217.00
Project No. : LD10488	Drilling Equipment: Global	Level : 84.70m AoD

Logged By GP	Checked By EH	Approved By VC	SPT Energy Ratio 71%	Final Depth 5.45
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00	SPT(C)	N=7 (3,3/2,1,2,2)					
					5.45	79.25		Firm yellowish grey CLAY. COHESIVE NATURAL, WEATHERED	5
								End of Borehole at 5.45m	
									6
									7
									8
									9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
		1.00m	100mm												

Remarks
Terminated due to SPT refusal.



Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS05
Sheet 1 of 1

Project Name: Primrose Lane	Client: Jones Homes (Yorkshire) Ltd	Date: 23/03/2023
Location: Liversedge, West Yorkshire	Contractor: DMW Drilling Ltd	Co-ords: E419742.00 N424213.00
Project No. : LD10488	Drilling Equipment: Global	Level : 84.05m AoD

Logged By GP	Checked By EH	Approved By VC	SPT Energy Ratio 71%	Final Depth 4.45
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.00 - 0.20	ES				MADE GROUND: Very dark grey clayey fine and medium sub-angular GRAVEL of orangic mudstone . Rootlets. GRANULAR MADE GROUND	1	
		0.80	ES						
		1.00	SPT(C)	N=13 (1,2/4,3,3,3)	1.00	83.05	MADE GROUND: Very dark grey organic SILT. Rootlets. COHESIVE MADE GROUND		
		1.10			1.10	82.95	MADE GROUND: Very dark brown sandy slightly organic fine and medium GRAVEL of sandstone and mudstone. GRANULAR MADE GROUND		
		2.00	SPT(C)	N=12 (2,3/3,3,3,3)	2.20	81.85	MADE GROUND: Pale grey slightly sandy slightly clayey fine to coarse sub-rounded to angular GRAVEL of mudstone and siltstone. GRANULAR MADE GROUND		
	3.00	SPT(C)	N=8 (3,1/2,2,2,2)	3.80	80.25	Firm pale yellowish brown slightly sandy gravelly CLAY. Gravel is fine and medium sub-rounded of coal and various lithologies. COHESIVE NATURAL, WEATHERED	4		
	4.00	SPT(C)	N=11 (2,4/3,2,3,3)	4.45	79.60	End of Borehole at 4.45m			

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
		1.00m	100mm									0.00m 1.00m	1.00m 4.00m	PLAIN SLOTTED	

Remarks
Terminated due to the lead length kicking off on a probable cobble obstruction.



Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS06
Sheet 1 of 1

Project Name: Primrose Lane	Client: Jones Homes (Yorkshire) Ltd	Date: 21/03/2023
Location: Liversedge, West Yorkshire	Contractor: DMW Drilling Ltd	Co-ords: E419763.00 N424209.00
Project No. : LD10488	Drilling Equipment: Global	Level : 83.40m AoD

Logged By LT	Checked By EH	Approved By VC	SPT Energy Ratio 71%	Final Depth 3.00
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
Install. / Backfill		0.40	ES				MADE GROUND: Dark grey very clayey medium and coarse angular to sub-angular of mudstone GRAVEL with occasional fragments of glass and brick cobbles. GRANULAR MADE GROUND	1	
		1.20	SPT(C)	N=24 (2,1/1,2,9,12)	1.00	82.40	MADE GROUND: Very soft black occasionally grey gravelly SILT. Gravel is typically, of mudstone and possibly carbonaceous material. COHESIVE MADE GROUND		
		2.00	SPT(C)	N=9 (2,2/3,2,2,2)	2.00	81.40	MADE GROUND: Weak light grey subangular fine to coarse GRAVEL of mudstone and siltstone. GRANULAR MADE GROUND		
					3.00	80.40	End of Borehole at 3.00m	3	
								4	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter

Remarks
Terminated due to being told to stand-down by a representative of SusTrans.



Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS07
Sheet 1 of 1

Project Name: Primrose Lane	Client: Jones Homes (Yorkshire) Ltd	Date: 21/03/2023
Location: Liversedge, West Yorkshire	Contractor: DMW Drilling Ltd	Co-ords: E419782.00 N424176.00
Project No. : LD10488	Drilling Equipment: Global	Level : 83.05m AoD

Logged By EH	Checked By EH	Approved By VC	SPT Energy Ratio 71%	Final Depth 4.80
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.30	ES				MADE GROUND: Dark grey very clayey medium and coarse angular to sub-angular of mudstone and siltstone GRAVEL. GRANULAR MADE GROUND	1	
		0.60	D						
		0.80 – 1.20	B						
			1.20	SPT(C)	N=8 (2,1/2,3,2,1)	1.20	81.85	MADE GROUND: Very soft black occasional grey gravelly SILT. COHESIVE MADE GROUND	2
			1.50 – 2.00	ES					
			2.00	SPT(C)	N=6 (2,1/2,1,2,1)	2.00	81.05	MADE GROUND: Weak light grey fine to coarse GRAVEL of angular siltstone. GRANULAR MADE GROUND	3
			2.70	D					
			3.00 – 3.45 3.00	D SPT(C)	N=12 (2,3/3,3,3,3)				
		4.00	SPT(C)	N=44 (5,5/9,10,11,14)			MADE GROUND: Firm yellowish brown, mottled grey, CLAY. COHESIVE NATURAL, WEATHERED	4	
		4.60	SPT(C)	50 (25,0 for 0mm/26,24 for 50mm)	4.50	78.55			
		4.80			4.80	78.25	End of Borehole at 4.80m		

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
												0.00m 1.00m	1.00m 4.00m	PLAIN SLOTTED	

Remarks
Terminated due to SPT refusal.



Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS08
Sheet 1 of 2

Project Name: Primrose Lane	Client: Jones Homes (Yorkshire) Ltd	Date: 21/03/2023
Location: Liversedge, West Yorkshire	Contractor: DMW Drilling Ltd	Co-ords: E419785.00 N424160.00
Project No. : LD10488	Drilling Equipment: Global	Level : 84.05m AoD

Logged By LT	Checked By EH	Approved By VC	SPT Energy Ratio 71%	Final Depth 5.22
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		0.20	B					MADE GROUND: Dark grey very clayey fine to coarse angular to sub-angular of mudstone GRAVEL. GRANULAR MADE GROUND	1
		0.30	ES						
		0.50	D						
		0.70 – 1.20	B						
		1.20	SPT(S)	N=9 (2,1/2,2,2,3)	1.30	82.75			
		1.60 – 2.00	D						
		2.00	SPT(S)	N=29 (3,3/6,7,8,8)	2.10	81.95			
		2.50	D						
		3.00 – 3.45	D		3.00	81.05			
		3.00	SPT(S)	N=20 (4,4/4,5,6,5)					
				3.70	80.35		Extremely weak very thinly laminated dark grey organic MUDSTONE occasional orangish brown staining and occasional laminae of coal with pyrite inclusions. PLCM BEDROCK	4	
	4.00 – 4.45	D							
	4.00	SPT(S)	N=31 (7,7/6,6,8,11)	4.40	79.65		Extremely weak thinly banded light grey SILTSTONE occasional orangish brown staining. PLCM BEDROCK		

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			Installation				
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter

Remarks
Terminated due to SPT refusal.



Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS08
Sheet 2 of 2

Project Name: Primrose Lane	Client: Jones Homes (Yorkshire) Ltd	Date: 21/03/2023
Location: Liversedge, West Yorkshire	Contractor: DMW Drilling Ltd	Co-ords: E419785.00 N424160.00
Project No. : LD10488	Drilling Equipment: Global	Level : 84.05m AoD

Logged By LT	Checked By EH	Approved By VC	SPT Energy Ratio 71%	Final Depth 5.22
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Instal. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		4.80	SPT(S)	50 (13,12 for 65mm/21,26,3 for 0mm)	5.22	78.83	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX	5	
							Extremely weak thinly banded light grey SILTSTONE occasional orangish brown staining. PLCM BEDROCK		
							End of Borehole at 5.22m		
								6	
								7	
								8	
								9	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter

Remarks
Terminated due to SPT refusal.