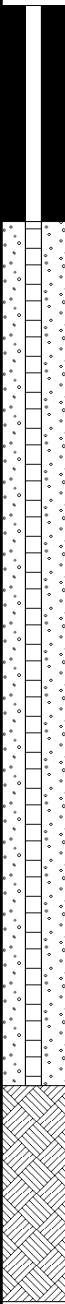
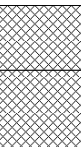
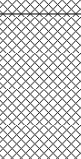
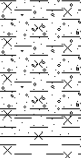
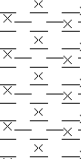
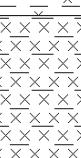
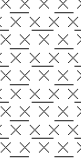
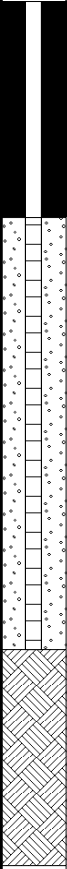


 Earth Environmental & Geotechnical Ltd Houldsworth Mill Business Centre Houldsworth Street Stockport SK5 6DA					Borehole Log			Borehole No. WS1 Sheet 1 of 1	
Project Name: Waterfold Lane				Project No. A4301		Co-ords: 382089.00 - 410295.00		Hole Type WS	
Location: Heywood				Level: 99.95		Scale 1:35			
Client: John Stephens & Co.				Dates: 21/03/2024 - 21/03/2024		Logged By DS			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.40	ES		0.30	99.65		MADE GROUND: Grass over brown very clayey sandy GRAVEL. Sand is fine to coarse. Gravel is angular to sub-rounded, fine to coarse of sandstone, red brick, concrete, clinker and tarmac. Medium cobble content of concrete and red brick.	1
					0.70	99.25		MADE GROUND: Blackish brown slightly silty gravelly SAND. Sand is fine to coarse. Gravel is angular to sub-rounded, fine to coarse of red brick, concrete, sandstone and clinker. Low cobble content of red brick.	
		1.00		N=10 (3,3/2,3,2,3)	1.00	98.95		MADE GROUND: Black sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub-rounded, fine to medium of red brick and slate.	
					1.65	98.30		MADE GROUND: Black becoming dark grey slightly silty slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular, fine to medium of red brick, sandstone and clinker.	2
		2.00		N=12 (1,1/1,1,4,6)	2.35	97.60		REWORKED NATURAL: Soft to firm grey silty slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular, fine to medium of red brick and mudstone. Organic odour.	
					2.90	97.05		Soft brown becoming grey silty sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is sub-rounded, fine of sandstone. Low cobble content of sandstone.	3
		2.95	D	N=8 (1,2/1,2,2,3)	3.00	96.95		HP at 2.50m of 24kN/m². HP at 2.70m of 24kN/m².	
		3.00			Firm to stiff grey very silty slightly sandy CLAY. Sand is fine. HP at 2.95m of 120kN/m².				
								Soft to firm grey very silty CLAY. HP at 3.50m of 168kN/m². HP at 3.70m of 72kN/m².	4
		4.00		N=9 (2,2/2,2,2,3)	4.00	95.95		HP at 3.90m of 120kN/m².	
					Firm to stiff grey very clayey SILT.				
						HP at 4.70m of 48kN/m².	5		
						Mudstone in 6.00m SPT. End of borehole at 6.00 m	6		
								7	

Remarks
1) Location scanned with CAT.
2) Hand dug pit to 1.00m bgl.
3) Monitoring well installed, 1.00m plain, 4.00m slotted.


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 Earth Environmental & Geotechnical Ltd Houldsworth Mill Business Centre Houldsworth Street Stockport SK5 6DA					Borehole Log			Borehole No. WS2 Sheet 1 of 1		
Project Name: Waterfold Lane					Project No. A4301		Co-ords: 382106.00 - 410311.00		Hole Type WS	
Location: Heywood					Level: 100.60		Scale 1:35		Logged By DS	
Client: John Stephens & Co.					Dates: 21/03/2024 - 21/03/2024					

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30	100.30		Grass over dark brown silty sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is sub-angular, fine to medium of sandstone and rare red brick. Low cobble content of sandstone. Frequent rootlets. (TOPSOIL)	
		0.50	ES					Loose to medium dense orangish brown clayey silty slightly gravelly SAND. Sand is fine to coarse. Gravel is rounded, fine to medium of sandstone.	
		0.85			0.85	99.75			
		1.00		N=37 (3,3/4,7,10,16)	1.00	99.60		Medium dense brown slightly clayey slightly silty gravelly SAND. Sand is fine to coarse. Gravel is sub-rounded, fine to coarse of sandstone.	1
								Dense to very dense orangish brown clayey sandy GRAVEL. Sand is fine to coarse. Gravel is angular to sub-angular, fine to coarse of sandstone.	
		2.00		N=50 (25 for 135mm/50 for 285mm)					2
					2.40	98.20			
					3.00	97.60		Dense orangish brown slightly clayey slightly silty gravelly SAND. Sand is fine to coarse. Gravel is angular, fine to coarse of sandstone.	3
		3.00		N=7 (1,1/1,1,2,3)	3.00	97.60		Loose brown silty gravelly SAND. Sand is fine to coarse. Gravel is angular to sub-rounded, fine to medium of sandstone.	
					3.40	97.20		Soft grey clayey slightly sandy SILT. Sand is fine.	
	3.60	D							
	4.00		N=20 (5,4/5,6,6,3)	3.90 4.00	96.70 96.60		Medium dense grey silty sandy GRAVEL. Sand is fine to coarse. Gravel is angular to rounded, fine to medium of sandstone.	4	
Borehole terminated at 4.00m bgl due to collapse. End of borehole at 4.00 m									
								5	
								6	
								7	

Remarks
1) Location scanned with CAT.
2) Hand dug pit to 1.00m bgl.
3) Monitoring well installed, 1.00m plain, 2.00m slotted.



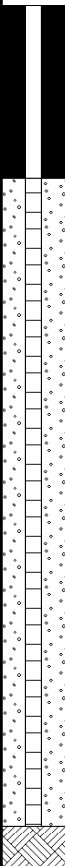
 Earth Environmental & Geotechnical Ltd Houldsworth Mill Business Centre Houldsworth Street Stockport SK5 6DA					Borehole Log			Borehole No. WS3 Sheet 1 of 1		
Project Name: Waterfold Lane					Project No. A4301		Co-ords: 382121.00 - 410341.00		Hole Type WS	
Location: Heywood					Level: 100.80		Scale 1:35		Logged By DS	
Client: John Stephens & Co.					Dates: 21/03/2024 - 21/03/2024					

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10	100.70		MADE GROUND: Black sandy GRAVEL. Sand is fine to coarse. Gravel is angular, fine to coarse of red brick, asphalt, clinker and sandstone.	
		0.30	ES		0.17	100.63		TARMAC.	
					0.60	100.20		MADE GROUND: Black sandy GRAVEL. Sand is fine to coarse. Gravel is angular, fine to coarse of red brick, asphalt, clinker and sandstone.	
		1.00		N=7 (1,1/1,2,2,2)	1.00	99.80		Loose brown silty slightly gravelly SAND. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to medium of sandstone.	1
								Loose to medium dense brown clayey slightly silty slightly gravelly SAND. Sand is fine to coarse.	
		2.00		N=32 (4,7/5,8,9,10)	1.95	98.85		Dense grey sandy GRAVEL. Sand is fine to coarse. Gravel is angular, fine to coarse of sandstone.	2
					2.00	98.80		Dense grey slightly clayey sandy GRAVEL. Sand is fine to coarse. Gravel is angular, fine to coarse of sandstone and coal.	
		2.70	D		2.50	98.30		Firm orangish brown very sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub-rounded, fine to coarse of sandstone and coal.	
		3.00		N=23 (4,7/5,8,6,4)	3.00	97.80		Medium dense becoming dense brown becoming grey slightly clayey slightly sandy GRAVEL. Sand is fine to coarse. Gravel is angular to sub-rounded, fine to coarse of sandstone. Becoming very clayey with depth.	3
								30% recovery. Borehole collapse to 3.00m after pulling rods.	
								4	
					4.50	96.30		Firm grey slightly gravelly CLAY. Gravel is angular, fine to medium of mudstone.	
					4.70	96.10		Dark grey weathered MUDSTONE.	
								40% recovery.	5
					6.00	94.80		End of borehole at 6.00 m	6
									7

Remarks
1) Location scanned with CAT.
2) Hand dug pit to 1.00m bgl.
3) Monitoring well installed, 1.00m plain, 2.00m slotted.


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 Earth Environmental & Geotechnical Ltd Houldsworth Mill Business Centre Houldsworth Street Stockport SK5 6DA					Borehole Log			Borehole No. WS4 Sheet 1 of 1		
Project Name: Waterfold Lane					Project No. A4301		Co-ords: 382133.00 - 410329.00		Hole Type WS	
Location: Heywood					Level: 100.80		Scale 1:35		Logged By DS	
Client: John Stephens & Co.					Dates: 21/03/2024 - 21/03/2024					

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.30	ES		0.40	100.40		MADE GROUND: Brown gravelly SAND. Sand is fine to coarse. Gravel is angular, fine to coarse of red brick, concrete and sandstone. Medium to high cobble content of red brick.	
		0.80	ES					Loose to medium dense brown clayey slightly gravelly SAND. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to medium of sandstone. Becoming gravelly towards base.	
		1.00		N=17 (1,2/3,4,4,6)	1.00	99.80		Stiff greyish brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular, fine to coarse of sandstone and coal.	1
		1.10	D						
					1.50	99.30		Dense brownish grey very clayey sandy GRAVEL. Sand is fine to coarse. Gravel is sub-angular, fine to coarse of sandstone.	
		2.00		N=43 (5,4/10,10,10,13)	2.00	98.80		Very stiff greyish brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular, fine to coarse of sandstone and coal.	2
					2.50	98.30		Sandstone cobble.	
		2.60		N=30 (13,10/12,6,8,4)				Firm brownish grey very sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular, fine to coarse of sandstone.	
					3.00	97.80		Soft to firm grey clayey slightly sandy SILT. Sand is fine.	3
		3.50	D						
				4.00	96.80		Borehole terminated at 4.00m bgl due to collapse. End of borehole at 4.00 m	4	
									5
									6
									7

Remarks

1) Location scanned with CAT.
2) Hand dug pit to 1.00m bgl.
3) Monitoring well installed, 0.80m plain, 3.00m slotted.



 Earth Environmental & Geotechnical Ltd Houldsworth Mill Business Centre Houldsworth Street Stockport SK5 6DA					Borehole Log			Borehole No. WS5 Sheet 1 of 1		
Project Name: Waterfold Lane					Project No. A4301		Co-ords: 382149.00 - 410344.00		Hole Type WS	
Location: Heywood					Level: 100.00		Scale 1:35		Logged By DS	
Client: John Stephens & Co.					Dates: 21/03/2024 - 21/03/2024					

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.50	ES				MADE GROUND: Grass over black slightly silty gravelly SAND. Sand is fine to coarse. Gravel is angular, fine to medium of red brick, ash and clinker.		
					0.70	99.30			
		1.00		N=20 (1,2/3,5,5,7)	1.00	99.00		Loose brown clayey slightly silty slightly gravelly SAND. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to medium of sandstone.	1
		1.30	D		1.50	98.50		Stiff grey with brown and orange mottling slightly silty very sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular, fine to medium of sandstone, mudstone and rare coal.	
					1.85	98.15		Soft to firm black and brown slightly silty very sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular, fine to medium of mudstone and sandstone.	
		2.00		N=12 (2,3/2,2,4,4)	2.50	97.50		Medium dense brown clayey sandy GRAVEL. Sand is fine to coarse. Gravel is angular, fine to coarse of sandstone, mudstone and coal. Low cobble content of sandstone.	2
		3.00		N=15 (3,6/5,4,3,3)	3.00	97.00		Firm brown slightly silty slightly sandy very gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub-angular, fine to coarse of sandstone, mudstone and rare coal.	3
					3.40	96.60		Medium dense brown silty sandy GRAVEL. Sand is fine to coarse. Gravel is angular to rounded, fine to medium of sandstone and mudstone. <i>Borehole collapse to 3.00m after pulling rods.</i>	
								Firm grey clayey slightly sandy SILT. Sand is fine.	
		4.00		N=13 (3,3/3,3,3,4)				4	
		5.00		N=17 (2,3/4,4,4,5)	5.00	95.00		NO RECOVERY.	5
		6.00		N=26 (4,4/5,6,8,7)	6.00	94.00		End of borehole at 6.00 m	6
								7	

Remarks

1) Location scanned with CAT.
2) Hand dug pit to 1.00m bgl.
3) Monitoring well installed, 1.00m plain, 2.00m slotted.



 Earth Environmental & Geotechnical Ltd Houldsworth Mill Business Centre Houldsworth Street Stockport SK5 6DA					Borehole Log			Borehole No. CP1 Sheet 1 of 1		
Project Name: Waterfold Lane					Project No. A4301		Co-ords: 382116.00 - 410371.00		Hole Type CP	
Location: Heywood					Level: 100.69		Scale 1:50		Logged By MM	
Client: John Stephens & Co.					Dates: 19/04/2024 - 19/04/2024					
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.80 - 1.00	ES				MADE GROUND: Grass over dark brown slightly clayey slightly silty gravelly SAND. Sand is fine to coarse. Gravel is subangular to angular, fine to coarse of tarmac, ash, red brick, concrete, and clinker.	1		
		1.65		N=4 (1,1/1,1,1,1)	1.60	99.09		MADE GROUND: Brown slightly silty sandy GRAVEL. Sand is fine to coarse. Gravel is subrounded to angular, fine to coarse of red brick, tile, and sandstone.	2	
		2.30 - 2.50 2.45	ES	N=3 (1,2/1,1,1,0)	2.60	98.09		MADE GROUND: Dark brown slightly silty slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is subrounded to angular, fine to coarse of mudstone, sandstone, and red brick.	3	
		3.45		50 (5,7/50 for 170mm)	3.40	97.29		Soft greyish brown slightly silty slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is subrounded to subangular, fine to medium of sandstone.	4	
		3.80 - 4.00	D		4.20	96.49		Firm to very stiff grey slightly silty slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is subrounded to angular, fine to coarse of mudstone and sandstone.	5	
		4.45		N=33 (4,6/6,8,9,10)	5.00	95.69		Dark grey weathered MUDSTONE recovered as fine to coarse GRAVEL.	6	
		5.45		50 (4,9/50 for 200mm)					7	
		6.45		N=50 (8,8/50 for 275mm)	6.45	94.24		Borheole terminated at 6.45m bgl due to refusal. End of borehole at 6.45 m	8	
Remarks 1) Location scanned with CAT.										

 Earth Environmental & Geotechnical Ltd Houldsworth Mill Business Centre Houldsworth Street Stockport SK5 6DA					Borehole Log			Borehole No. CP2 Sheet 1 of 1		
Project Name: Waterfold Lane					Project No. A4301		Co-ords: 382084.00 - 410325.00		Hole Type CP	
Location: Heywood					Level: 100.40		Scale 1:50			
Client: John Stephens & Co.					Dates: 19/04/2024 - 19/04/2024		Logged By MM			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.30 - 0.50	ES					MADE GROUND: Grass over dark brown slightly clayey slightly silty gravelly SAND. Sand is fine to coarse. Gravel is subangular to angular, fine to coarse of tarmac, ash, red brick, concrete, and clinker. Occasional rootlets.		
		0.60 - 0.70	ES		0.60	99.80			Medium dense orangish brown slightly clayey slightly silty gravelly SAND. Sand is fine to coarse. Gravel is subrounded, fine to coarse of sandstone.	1
		1.65			1.20	99.20			Medium dense to dense orangish brown slightly clayey slightly silty gravelly SAND. Sand is fine to coarse. Gravel is subrounded, fine to coarse of sandstone. Low cobble content of sandstone. Increasing clay content with depth.	
		1.80 - 2.00	D	30 (1,10/30 for 10mm)	2.00	98.40			Dense orangish brown clayey gravelly SAND. Sand is fine to coarse. Gravel is subrounded fine to coarse of sandstone. Low cobble content of sandstone. Increasing clay content with depth.	2
		2.45		N=44 (4,5/10,11,11,12)						
		2.50 - 2.70	D							3
		3.45		N=17 (4,5/4,4,5,4)	3.50	96.90			Stiff grey clayey slightly sandy slightly gravelly SILT. Sand is fine to coarse. Gravel is subrounded to subangular, fine to medium of sandstone and mudstone.	
		3.50 - 3.70	D		4.00	96.40			Dark grey weathered MUDSTONE recovered as fine to coarse GRAVEL.	4
		4.45		N=27 (3,4/5,7,7,8)						5
		5.65		40 (10,11/40 for 125mm)	5.65	94.75		Bprheole terminated at 5.65m bgl due to refusal. End of borehole at 5.65 m		
Remarks 1) Location scanned with CAT.										