

APPENDIX 7.3:
BOREHOLE LOCATION PLAN AND BOREHOLE LOGS



CLIENT	BLOOR HOMES NORTH WEST	DRG No	ST16134-001	SCALE	1:5,000 @ A4	DATE	22/02/2021
PROJECT	HOLT ROAD, WREXHAM	DRAWN BY	BVC	CHECKED BY	SDB	APPROVED BY	SDB
DRAWING TITLE							
SITE PLAN WITH BOREHOLE LOCATIONS							

Project Name: Holt Road, Wrexham

Project No.
ST16134

Co-ords: 335959.01 - 351479.32

Hole Type	WLS
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
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75	1
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77	1
78	1
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80	1
81	1
82	1
83	1
84	1
85	1
86	1
87	1
88	1
89	1
90	1
91	1
92	1
93	1
94	1
95	1
96	1
97	1
98	1
99	1
100	1

Location: Holt Road, Wrexham

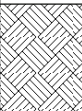
Level:	75.00
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Scale
1:25

Client: Bloor Homes North West

Dates: 30/03/2017 -

Logged By
G Usher

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		0.10 - 0.20	ES	N=9 (4,3/3,2,2,2)	0.37	74.63		TOPSOIL: Grass over soft dark brown organic silty sandy CLAY with rootlets. Sand is fine to medium.	1		
		1.00	N=5 (4,2/1,1,2,1)				1.60	73.40			Loose yellowish brown slightly silty slightly gravelly SAND. Sand is medium to coarse. Gravel is fine to medium angular to sub-rounded of sandstone and mudstone.
					<u>Water encountered from 1.0m depth (2nd run).</u>						
						Light orangish brown to yellowish brown mottled grey slightly silty very clayey SAND. Sand is medium.					
						2.00				73.00	
					3.00						
		4.00	N=50 (11,11/12,12,13,13)			4.80	70.20				
4.35	N=48 (11,12/14,10,11,13)										
		4.80	70.20	End of borehole at 4.80 m		5					

Remarks

Terminated at 4.8m depth due to sample refusal.
Water encountered from 1.0m depth.
Backfilled with arisings upon completion.



Borehole Log

Borehole No.

WS102

Sheet 1 of 2

Project Name: Holt Road, Wrexham

Project No.
ST16134

Co-ords: 335896.93 - 351583.64

Hole Type
WLS

Location: Holt Road, Wrexham

Level: 74.00

Scale
1:25

Client: Bloor Homes North West

Dates: 31/03/2017 -

Logged By
G Usher

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	ES		0.40	73.60		TOPSOIL: Dark brown slightly clayey silty gravelly SAND. Sand is medium. Gravel is fine to medium sub-angular to sub-rounded of mudstone and sandstone.	1
								Orangish brown mottled black slightly silty slightly gravelly SAND. Sand is medium to coarse. Gravel is fine to medium sub-angular to sub-rounded of sandstone, coal and mudstone.	
		1.20		N=14 (2,3/4,3,3,4)	1.26	72.74		Brown mottled orange and black clayey slightly silty sandy GRAVEL. Sand is fine to medium. Gravel is fine to coarse sub-angular to sub-rounded of sandstone and mudstone. Medium dense light orangish brown slightly silty slightly gravelly SAND with low cobble content. Sand is medium. Gravel is fine to coarse angular to sub-rounded of sandstone and coal. Cobble is sub-rounded of sandstone.	2
					1.36	72.64			
					1.76	72.24		Coal fragments between 1.7m and 1.76m depth.	2
		2.00		N=21 (3,3/4,8,5,4)				Medium dense orangish light brown slightly silty sand. Sand is medium to coarse.	
					2.24	71.76		Medium dense orangish brown mottled black slightly silty gravelly SAND. Sand is medium. Gravel is fine to coarse sub-angular to sub-rounded of sandstone and mudstone.	3
					2.56	71.44			
		3.00		N=22 (5,6/6,5,6,5)				Medium dense becoming dense orangish brown becoming light brown slightly silty slightly gravelly SAND. Sand is medium to coarse. Gravel is fine to medium sub-angular to sub-rounded of sandstone.	3
								Becoming pale brown with increasing gravel coarseness between 2.8m and 5.45m depth.	
		4.00		N=19 (3,4/4,4,5,6)				Coal fragments between 4.3m and 4.37m depth.	4
		5.00		N=34 (9,9/8,8,9,9)					5

Continued on next sheet

Remarks

Target depth achieved.
Water not encountered.
1.2m hand dug service pit prior to sampling.
Backfilled with arisings upon completion.

AGS



Borehole Log

Borehole No.

WS103

Sheet 1 of 1

Project Name: Holt Road, Wrexham

Project No.
ST16134

Co-ords: 335892.40 - 351351.97

Hole Type
WLS

Location: Holt Road, Wrexham

Level: 78.00

Scale
1:25

Client: Bloor Homes North West

Dates: 30/03/2017 -

Logged By
G Usher

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	ES		0.40	77.60		TOPSOIL: Dark brown slightly clayey slightly silty gravelly SAND. Sand is medium. Gravel is fine to medium angular to sub-rounded of sandstone and mudstone.	1
		1.00		N=10 (2,1/2,2,3,3)	1.60	76.40		Loose yellowish brown slightly silty slightly gravelly SAND. Sand is medium to coarse. Gravel is fine sub-angular to sub-rounded of quartzite and sandstone.	
		2.00		N=3 (2,1/1,0,1,1)	2.50	75.50		Soft with occasional firm pockets light brown mottled grey, orange and black silty sandy CLAY. Sand is fine to medium. Feels damp throughout.	2
		3.00		N=29 (4,3/4,6,8,11)				Increased sand content between 2.0m and 2.5m depth.	
		3.50		50 (20,10 for 10mm/18,14,13,5 for 15mm)	3.95	74.05		Medium dense becoming very dense yellowish brown slightly silty slightly gravelly SAND. Sand is medium to coarse. Gravel is fine sub-angular to sub-rounded of quartzite and sandstone	3
								End of borehole at 3.95 m	4
									5

Remarks

Terminated at 3.95m depth due to sample refusal.
Water encountered from 2.0m depth.
Backfilled with arisings upon completion.

AGS



Borehole Log

Borehole No.

WS104

Sheet 1 of 2

Project Name: Holt Road, Wrexham

Project No.
ST16134

Co-ords: 336098.28 - 351581.67

Hole Type
WLS

Location: Holt Road, Wrexham

Level: 73.00

Scale
1:25

Client: Bloor Homes North West

Dates: 31/03/2017 -

Logged By
G Usher

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.45 - 0.65	ES		0.35	72.65		TOPSOIL: Grass over dark brown clayey silty slightly gravelly SAND. Sand is fine to medium. Gravel is angular to sub-rounded of sandstone and mudstone.	1
		1.20		N=11 (4,3/3,2,3,3)	1.50 1.64	71.50 71.36		Medium dense light orangish brown mottled black slightly silty slightly gravelly SAND. Sand is medium. Gravel is fine to medium sub-rounded of sandstone.	
		2.00		N=6 (1,2/1,1,2,2)				Medium dense light orangish brown mottled black slightly clayey slightly silty slightly gravelly SAND. Sand is medium. Gravel is fine to medium sub-rounded of sandstone. Loose light orangish brown mottled black slightly silty slightly gravelly SAND. Sand is medium. Gravel is fine to medium sub-rounded of sandstone. <i>Slightly damp from 1.65m depth.</i>	2
		3.00		N=4 (1,1/1,1,1,1)				<i>Increased gravel content between 3.5m and 3.75m depth.</i>	3
		4.00		N=12 (2,2/3,3,3,3)	3.75	69.25		Medium dense becoming loose light orangish brown slightly silty SAND. Sand is fine to coarse.	4
		5.00		N=8 (0,1/2,1,2,3)					5

Continued on next sheet

Remarks

Target depth achieved.
Water not encountered.
1.2m hand dug service pit prior to sampling.
Backfilled with arisings upon completion.

AGS



Borehole Log

Borehole No.

WS105

Sheet 1 of 2

Project Name: Holt Road, Wrexham

Project No.
ST16134

Co-ords: 336062.95 - 351359.74

Hole Type
WLS

Location: Holt Road, Wrexham

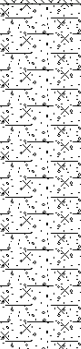
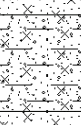
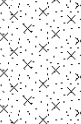
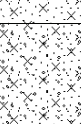
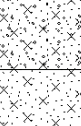
Level: 79.00

Scale
1:25

Client: Bloor Homes North West

Dates: 31/03/2017 -

Logged By
G Usher

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	ES		0.40	78.60		TOPSOIL: Grass over dark brown clayey silty slightly gravelly SAND. Sand is fine to medium. Gravel is fine to medium sub-angular to sub-rounded of sandstone and mudstone.	1
								Loose orangish brown mottled reddish brown slightly clayey slightly silty gravelly SAND. Sand is fine to coarse. Gravel is fine to coarse angular to sub-rounded of sandstone, mudstone, quartzite and clayey sand nodules.	
		1.20		N=7 (1,2/1,2,2,2)	1.57	77.43		Loose orangish brown slightly silty SAND. Sand is fine to medium.	
								Loose orangish brown mottled black and reddish brown slightly clayey slightly silty gravelly SAND. Sand is fine to medium. Gravel is fine to medium sub-angular to sub-rounded of sandstone, mudstone and clayey sand nodules.	2
		2.00		N=10 (2,2/1,3,3,3)	2.00	77.00		Medium dense orangish brown mottled black slightly silty SAND. Sand is fine to medium.	
					2.32	76.68			3
		3.00		N=13 (2,2/3,2,4,4)					
								Medium dense light greyish brown slightly silty gravelly SAND. Sand is fine to medium. Gravel is fine to medium angular to sub-rounded of sandstone and mudstone.	4
		4.00		N=28 (5,6/7,6,7,8)	4.00	75.00		Medium dense light brown slightly silty SAND. Sand is medium to coarse.	
					4.56	74.44			
		5.00		N=22 (5,4/5,5,6,6)					5

Continued on next sheet

Remarks

Target depth achieved.
Water not encountered.
1.2m hand dug service pit prior to sampling.
Backfilled with arisings upon completion.

AGS



Borehole Log

Borehole No.

WS106

Sheet 1 of 2

Project Name: Holt Road, Wrexham

Project No.
ST16134

Co-ords: 336265.29 - 351593.80

Hole Type
WLS

Location: Holt Road, Wrexham

Level: 74.00

Scale
1:25

Client: Bloor Homes North West

Dates: 30/03/2017 -

Logged By
G Usher

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	ES		0.30	73.70		TOPSOIL: Grass over dark brown slightly clayey slightly silty slightly gravelly SAND with rootlets. Sand is fine to medium. Gravel is fine to medium sub-angular to sub-rounded of sandstone and mudstone.	
		1.00		N=18 (4,4/4,4,5,5)				Loose to medium dense orangish light brown slightly clayey slightly silty slightly gravelly SAND. Sand is medium to coarse. Gravel is medium sub-angular to sub-rounded of quartzite, sandstone and nodules of clayey sands.	1
		2.00		N=11 (3,3/2,3,3,3)					2
		3.00		N=23 (4,5/6,5,6,6)				Inclusions of reddish brown clayey sand nodules between 2.46m and 2.65m depth.	3
		4.00		N=8 (2,3/2,2,2,2)					4
		5.00		N=11 (2,3/3,2,3,3)				Continued on next sheet	5

Remarks

Target depth achieved.

Water not encountered.

Backfilled with arisings upon completion.

AGS



Borehole Log

Borehole No.

WS107

Sheet 1 of 2

Project Name: Holt Road, Wrexham

Project No.
ST16134

Co-ords: 336223.51 - 351372.66

Hole Type
WLS

Location: Holt Road, Wrexham

Level: 78.00

Scale
1:25

Client: Bloor Homes North West

Dates: 30/03/2017 -

Logged By
G Usher

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30	77.70		TOPSOIL: Dark brown clayey silty gravelly SAND. Sand is medium. Gravel is fine to coarse angular to sub-rounded of mudstone, sandstone and quartzite.	
		1.20		N=6 (2,2/1,1,2,2)				Loose to medium dense light orangish brown slightly clayey slightly silty slightly gravelly SAND. Sand is fine to medium. Gravel is fine to coarse sub-angular to sub-rounded of sandstone, mudstone, coal fragments and nodules of clayey sand.	1
		2.00		N=11 (2,3/2,3,3,3)				Increased gravel size between 1.5m and 2.0m depth.	2
		3.00		N=9 (2,2/3,2,2,2)				Reddish brown clayey sand nodules between 2.45m and 2.95m depth.	3
		4.00		N=10 (3,2/3,2,2,3)				Sand becoming finer between 3.46m and 4.55m depth.	4
		5.00		N=18 (1,1/4,4,5,5)				Continued on next sheet	5

Remarks

Target depth achieved.
Water not encountered.
1.2m hand dug service pit prior to sampling.
Backfilled with arisings upon completion.

AGS



Borehole Log

Borehole No.

WS108

Sheet 1 of 2

Project Name: Holt Road, Wrexham

Project No.
ST16134

Co-ords: 336375.86 - 351742.99

Hole Type
WLS

Location: Holt Road, Wrexham

Level: 71.00

Scale
1:25

Client: Bloor Homes North West

Dates: 30/03/2017 -

Logged By
G Usher

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	ES		0.28	70.72		TOPSOIL: Brown slightly clayey silty gravelly SAND. Sand is fine to medium. Gravel is fine to medium sub-angular to sub-rounded of sandstone and mudstone. Loose orangish light brown slightly silty slightly gravelly SAND. Sand is medium to coarse. Gravel is medium to coarse sub-angular to sub-rounded of sandstone, mudstone and quartzite. <i>Becoming paler with depth. Damp throughout.</i>	
		1.00		N=8 (2,2/2,2,2,2)					1
		2.00		N=8 (2,1/2,2,2,2)					2
		3.00		N=8 (3,2/2,2,2,2)					3
		4.00		N=8 (1,2/3,2,2,1)					4
		5.00		N=10 (3,3/3,2,2,3)				<i>Increased gravel content between 4.5m and 4.6m depth.</i> <i>Increased sand coarseness between 4.6m and 5.0m depth.</i>	5

Continued on next sheet

Remarks

Target depth achieved.
Water not encountered.
Backfilled with arisings upon completion.

AGS



Borehole Log

Borehole No.

WS109

Sheet 1 of 2

Project Name: Holt Road, Wrexham

Project No.
ST16134

Co-ords: 336394.99 - 351558.36

Hole Type
WLS

Location: Holt Road, Wrexham

Level: 74.00

Scale
1:25

Client: Bloor Homes North West

Dates: 30/03/2017 -

Logged By
G Usher

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.30	ES		0.30	73.70		TOPSOIL: Grass over dark brown slightly clayey silty slightly gravelly SAND with rootlets. Sand is fine to medium. Gravel is fine to medium sub-angular to sub-rounded of sandstone and mudstone. Loose to medium dense orangey light brown slightly silty slightly gravelly SAND. Sand is medium to coarse. Gravel is fine to coarse angular to sub-rounded of sandstone. <i>Becoming paler between 0.3m and 5.45m depth.</i>	
		1.00		N=14 (2,3/3,3,4,4)					1
		2.00		N=9 (2,3/2,2,3,2)					2
		3.00		N=5 (2,1/1,2,1,1)					3
		4.00		N=5 (0,0/0,2,1,2)					4
		5.00		N=11 (1,1/2,3,3,3)				<i>Increased gravel content from 4.7m and 5.0m depth. Also damp.</i>	5

Continued on next sheet

Remarks

Target depth achieved.
Water not encountered.
Backfilled with arisings upon completion.

AGS



Borehole Log

Borehole No.

WS110

Sheet 1 of 2

Project Name: Holt Road, Wrexham

Project No.
ST16134

Co-ords: 336391.54 - 351352.50

Hole Type
WLS

Location: Holt Road, Wrexham

Level: 75.00

Scale
1:25

Client: Bloor Homes North West

Dates: 30/03/2017 -

Logged By
G Usher

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	ES					TOPSOIL: Grass on top dark brown clayey silty gravelly SAND. Sand is medium. Gravel is fine to coarse angular to sub-rounded of mudstone, sandstone and quartzite.	
					0.40	74.60			
					0.60	74.40		Light orangish brown slightly silty sandy GRAVEL. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded of sandstone and mudstone.	
		1.00		N=14 (4,3/4,3,3,4)				Medium dense light orangish brown slightly silty gravelly SAND. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded of sandstone and mudstone.	1
					1.50	73.50			
		2.00		N=18 (6,5/4,5,4,5)	2.00	73.00		Light orangish brown slightly silty slightly gravelly SAND. Sand is medium. Gravel is fine to medium sub-angular to sub-rounded of sandstone and mudstone.	2
								Medium dense light orangish brown slightly silty sandy GRAVEL. Sand is medium. Gravel is fine to coarse angular to sub-rounded of sandstone, mudstone and quartzite.	
		3.00		N=11 (3,2/3,2,3,3)					
					2.47	72.53		Loose to medium dense light orangish brown slightly silty slightly gravelly SAND. Sand is medium. Gravel is fine to medium sub-angular to sub-rounded of sandstone and mudstone.	3
		4.00		N=7 (2,2/2,1,2,2)					
								Increased gravel content with reddish brown mottling between 3.53m and 3.71m depth.	
								Sand becoming predominately fine to medium with black to brown mottling from 4.52m to 5.0m depth.	4
		5.00		N=19 (2,3/4,4,5,6)					
									5

Continued on next sheet

Remarks

Target depth achieved.
Water not encountered.
Backfilled with arisings upon completion.

AGS



Borehole Log

Borehole No.

WS111

Sheet 1 of 1

Project Name: Holt Road, Wrexham

Project No.
ST16134

Co-ords: 336182.00 - 351473.00

Hole Type
WLS

Location: Holt Road, Wrexham

Level: 77.00

Scale
1:25

Client: Bloor Homes North West

Dates: 31/03/2017 -

Logged By
G Usher

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	ES		0.35	76.65		TOPSOIL: Dark brown silty clayey gravelly SAND. Sand is fine to medium. Gravel is fine to medium sub-angular to sub-rounded of sandstone and mudstone.	1
								Medium dense light orangish brown mottled reddish brown slightly clayey slightly silty slightly gravelly SAND. Sand is fine to medium. Gravel is fine to medium sub-angular to sub-rounded of sandstone, mudstone and nodules of clayey sand.	
		1.20		N=11 (3,3/3,3,2,3)	1.60	75.40		Brown mottled orange, grey and black clayey slightly silty SAND. Sand is fine to coarse.	2
					1.76	75.24		Firm brown to orangish brown silty very sandy CLAY. Sand is medium.	
		2.00		N=32 (6,7/7,7,9,9)	2.00	75.00		Dense light orangish brown slightly silty SAND. Sand is fine to coarse.	
		3.00		N=45 (4,4/5,6,17,17)					3
		4.00		50 (9,9/8,10,15,17 for 70mm)					4
					4.45	72.55		End of borehole at 4.45 m	5

Remarks

Terminated at 4.45 due to sample refusal.
Water not encountered.
1.2m hand dug service pit prior to sampling.
Backfilled with arisings upon completion.

AGS



Borehole Log

Borehole No.

WS112

Sheet 1 of 2

Project Name: Holt Road, Wrexham

Project No.
ST16134

Co-ords: 335903.00 - 351241.00

Hole Type
WLS

Location: Holt Road, Wrexham

Level: 76.00

Scale
1:25

Client: Bloor Homes North West

Dates: 31/03/2017 -

Logged By
G Usher

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	ES		0.30	75.70		TOPSOIL: Dark brown slightly clayey silty slightly gravelly SAND with rootlets. Sand is fine to medium. Gravel is fine to medium sub-angular to sub-rounded of sandstone and mudstone.	1
								Orangish brown slightly silty slightly gravelly SAND. Sand is medium. Gravel is fine to medium sub-angular to sub-rounded of sandstone.	
		1.20		N=12 (3,2/3,3,3,3)	1.16	74.84		Soft to firm light yellowish brown mottled grey silty sandy CLAY. Sand is medium.	
					1.38	74.62		Medium dense light brown slightly silty gravelly SAND. Sand is fine to medium. Gravel is fine to coarse angular to sub-angular of mudstone, sandstone and coal.	2
					1.65	74.35		Medium dense light orangish brown slightly silty slightly gravelly SAND. Sand is medium. Gravel is fine to medium sub-angular to sub-rounded of sandstone and coal.	
		2.00		N=11 (2,3/2,3,3,3)				Light orangish brown slightly silty gravelly SAND with low cobble content. Sand is medium to coarse. Gravel is fine to coarse angular to sub-rounded of sandstone and mudstone. Cobble is sub-rounded sandstone.	
					2.60	73.40		Medium dense orangish brown slightly silty SAND. Sand is fine to coarse.	
		3.00		N=12 (2,4/3,3,3,3)	2.82	73.18			
								Becoming paler and coarser from 3.59m to 5.45m depth.	4
		4.00		N=19 (3,4/4,4,5,6)				Increased gravel content including coal between 4.51m and 4.63m depth.	
		5.00		N=20 (3,5/5,5,5,5)					5

Continued on next sheet

Remarks

Target depth achieved.
Water encountered at 1.16m depth.
1.2m hand dug service pit prior to sampling.
Backfilled with arisings upon completion.

AGS