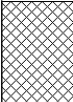


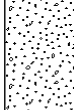
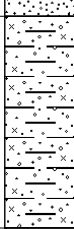
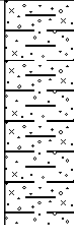
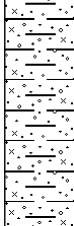
Site Investigation Report for land off
Gatewen Road, Wrexham

Appendix 7

Trial Pit Logs

 Coopers (Chester) Ltd tel: 01244 684 910 web: www.coopers.co.uk email: admin@coopers.co.uk				Site GATEWEN ROAD, WREXHAM		Trial Pit Number HDP01			
Machine : Hand Dug Method : Manual Excavation		Dimensions 0.30 x 0.30 x 0.50m		Ground Level (mOD)		Client Bellway Home North West		Job Number 7791	
		Location (Observed measurements)		Dates 27/05/2021		Engineer Coopers (Chester) Ltd		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
0.10	B				(0.35)	MADEGROUND (similar to topsoil). Dark brown, slightly clayey, slightly gravelly, sandy SILT. Sand is fine to medium. Gravel is angular to sub-rounded, fine to coarse of various lithologies including brick fragments and glass. Low cobble content.			
0.40	B				0.35 (0.15) 0.50	Orangish brown, slightly clayey, fine to coarse SAND.			
						Complete at 0.50m			
 Remarks Location CAT scanned prior to excavation. No groundwater encountered during excavation. Please note that discolouration of photographs may occur when viewed on screen as a PDF or when printed as a hard copy. Hand dug trial pit backfilled with arisings upon completion.									
Scale (approx) 1:25						Logged By ST		Checked By PRS	

 coop ers chartered consulting engineers				Coopers (Chester) Ltd tel: 01244 684 910 web: www.coopers.co.uk email: admin@coopers.co.uk		Site GATEWEN ROAD, WREXHAM		Trial Pit Number HDP02	
Machine : Hand Dug Method : Manual Excavation		Dimensions 0.30 x 0.30 x 0.50m		Ground Level (mOD)		Client Bellway Home North West		Job Number 7791	
		Location (Observed measurements)		Dates 27/05/2021		Engineer Coopers (Chester) Ltd		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
0.10	JV				(0.50)	MADEGROUND. Dark grey, very sandy, angular to sub-angular, fine to coarse GRAVEL of various lithologies including ash and clinker, charcoal, glass, brick, metal fragments and timber. Sand is fine to coarse.			
0.40	JV				0.50	Complete at 0.50m			
					Remarks Location CAT scanned prior to excavation. No groundwater encountered during excavation. Please note that discolouration of photographs may occur when viewed on screen as a PDF or when printed as a hard copy. Hand dug trial pit backfilled with arisings upon completion.				
					Scale (approx) 1:25		Logged By ST		Checked By PRS

 coopers chartered consulting engineers				Coopers (Chester) Ltd tel: 01244 684 910 web: www.coopers.co.uk email: admin@coopers.co.uk		Site GATEWEN ROAD, WREXHAM		Trial Pit Number TP101	
Machine : JCB 3CX Method : Mechanical Excavation		Dimensions 2.00 x 0.60 x 2.90m		Ground Level (mOD)		Client Bellway Home North West		Job Number 7791	
		Location (Observed measurements)		Dates 24/05/2021		Engineer Coopers (Chester) Ltd		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
0.10	B				(0.20) 0.20	TOPSOIL. Grass over dark brown, slightly clayey, slightly gravelly, sandy SILT. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Contains rootlets throughout.			
0.40	B				(0.50) 0.70	Orangish brown, slightly gravelly, fine to coarse SAND. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. *Assumed as loose to medium dense.			
0.80	B				(0.70) 1.40	Firm, orangish brown, slightly silty, sandy, gravelly CLAY with a moderate cobble content of sandstone and mudstone. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Sand is fine to medium. Friable. Unable to take shear vane.			
1.50	B				1.40 2.20	Firm, grey mottled light reddish brown, slightly sandy, silty, gravelly CLAY with a moderate cobble content.			
1.60	SV 90kPa				(1.50) 2.80	At 1.60m: High strength			
2.20	SV 80**kPa				2.90	Complete at 2.90m			
2.80	SV 104kPa								
					Remarks Location CAT scanned prior to excavation. Spalling due to large cobble at 1.00m during excavation. No groundwater encountered during excavation. *Based upon trenchside stability characteristics. **False shear vane reading. Please note that discolouration of photographs may occur when viewed on screen as a PDF, or when printed as a hard copy. Trial pit backfilled with arisings upon completion.				
					Scale (approx) 1:25		Logged By ST		Checked By PRS



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chartered consulting engineers

Coopers (Chester) Ltd

tel: 01244 684 910

web: www.coopers.co.uk

email: admin@coopers.co.uk

Site

GATEWEN ROAD, WREXHAM

Trial Pit Number

TP102

Machine : JCB 3CX

Method : Mechanical Excavation

Dimensions

2.00 x 0.60 x 2.00m

Ground Level (mOD)

Client

Bellway Home North West

Job Number

7791

Location (Observed measurements)

Dates

24/05/2021

Engineer

Coopers (Chester) Ltd

Sheet

1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.10	J				(0.30)	TOPSOIL. Grass over dark brown, slightly clayey, slightly gravelly, sandy SILT. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Contains rootlets throughout.		
0.10	V				0.30			
0.40	B				(0.50)	Orangish brown, slightly clayey, gravelly, fine to coarse SAND. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. *Assumed as loose to medium dense.		
					0.80			
1.00	B				(1.20)	Brown, slightly clayey, sub-angular to sub-rounded, fine to coarse SAND and GRAVEL with a high cobble content. Damp. *Assumed as loose to medium dense.		
					2.00			
						Complete at 2.00m		



Remarks

Location CAT scanned prior to excavation.
 Spalling due to large high cobble content during excavation.
 No groundwater encountered during excavation.
 *Based upon trenchside stability characteristics.
 Please note that discolouration of photographs may occur when viewed on screen as a PDF, or when printed as a hard copy.
 Trial pit backfilled with arisings upon completion.

Scale (approx)

1:25

Logged By

ST

Checked By

PRS

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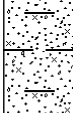
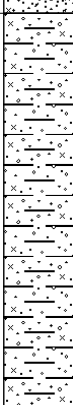
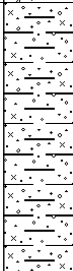
 Coopers (Chester) Ltd tel: 01244 684 910 web: www.coopers.co.uk email: admin@coopers.co.uk				Site GATEWEN ROAD, WREXHAM		Trial Pit Number TP103			
Machine : JCB 3CX Method : Mechanical Excavation		Dimensions 2.00 x 0.60 x 2.40m		Ground Level (mOD)		Client Bellway Home North West		Job Number 7791	
		Location (Observed measurements)		Dates 24/05/2021		Engineer Coopers (Chester) Ltd		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
0.10	B				(0.30)	TOPSOIL. Grass over dark brown, slightly clayey, slightly gravelly, sandy SILT. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Contains rootlets throughout.			
0.50	J				0.30	Orangish brown, slightly gravelly, slightly clayey, fine to coarse SAND. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies.			
0.50	V				(0.40)				
					0.70	Light orangish brown, clayey, slightly gravelly, very silty, fine SAND. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies.			
0.90	B								
1.00	B								
					(1.30)				
									
									
					2.00	Brown, slightly clayey, sub-angular to sub-rounded, fine to coarse SAND and GRAVEL with a high cobble content. *Assumed as loose to medium dense.			
					(0.40)				
					2.40	Complete at 2.40m			
					Remarks Location CAT scanned prior to excavation. Spalling below 2.00m during excavation. No groundwater encountered during excavation. *Based upon trenchside stability characteristics. Please note that discolouration of photographs may occur when viewed on screen as a PDF, or when printed as a hard copy. Trial pit backfilled with arisings upon completion.				
					Scale (approx) 1:25		Logged By ST		Checked By PRS

 Coopers (Chester) Ltd tel: 01244 684 910 web: www.coopers.co.uk email: admin@coopers.co.uk				Site GATEWEN ROAD, WREXHAM		Trial Pit Number TP104			
Machine : JCB 3CX Method : Mechanical Excavation		Dimensions 2.00 x 0.60 x 2.60m		Ground Level (mOD)		Client Bellway Home North West		Job Number 7791	
		Location (Observed measurements)		Dates 24/05/2021		Engineer Coopers (Chester) Ltd		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
0.15 0.15	J V				(0.20) 0.20	TOPSOIL. Grass over dark brown, slightly clayey, slightly gravelly, sandy SILT. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Contains rootlets throughout.			
0.40	B				(0.50)	Orangish brown, slightly clayey, gravelly, fine to coarse SAND. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. *Assumed as loose to medium dense.			
0.80	B				0.70 (0.80)	Light brown, slightly gravelly, clayey, very sandy SILT. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Low cobble content.			
1.60 1.70	SV 52kPa B				1.50 (0.70)	Firm, reddish brown, slightly gravelly, silty, very sandy CLAY. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Low cobble content. At 1.60m: Medium strength			
2.40	B				2.20 (0.40) 2.60	Brown, slightly clayey, sub-angular to sub-rounded SAND and GRAVEL with a high cobble content of sandstone and various lithologies. *Assumed as loose to medium dense.			
						Complete at 2.60m			
						Remarks Location CAT scanned prior to excavation. Sides stable. Spalling below 2.20m during excavation. No groundwater encountered during excavation. *Based upon trenchside stability characteristics. No shear vane below 1.60m as no suitable fragments recovered. Please note that discolouration of photographs may occur when viewed on screen as a PDF, or when printed as a hard copy. Trial pit backfilled with arisings upon completion.			
						Scale (approx) 1:25		Logged By ST	

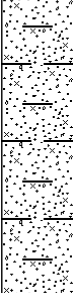
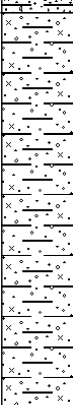
 Coopers (Chester) Ltd tel: 01244 684 910 web: www.coopers.co.uk email: admin@coopers.co.uk				Site GATEWEN ROAD, WREXHAM		Trial Pit Number TP105			
Machine : JCB 3CX Method : Mechanical Excavation		Dimensions 2.00 x 0.60 x 2.70m		Ground Level (mOD)		Client Bellway Home North West		Job Number 7791	
		Location (Observed measurements)		Dates 24/05/2021		Engineer Coopers (Chester) Ltd		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
0.10	B				(0.20) 0.20	TOPSOIL. Grass over dark brown, slightly clayey, slightly gravelly, sandy SILT. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Contains rootlets throughout.			
0.50 0.50	J V					Firm, orangish brown, gravelly, silty, very sandy CLAY with a moderate cobble content. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Friable.			
0.90	SV 74kPa					At 0.90m: Medium strength			
1.20	B				(2.40)				
2.65	B				2.60 (0.10) 2.70	Brown, slightly clayey, sub-angular to sub-rounded SAND and GRAVEL with a moderate cobble content. *Assumed as loose to medium dense. Complete at 2.70m			
						Remarks Location CAT scanned prior to excavation. Below 1.50m spalling; even in clay. No groundwater encountered during excavation. *Based upon trenchside stability characteristics. Please note that discolouration of photographs may occur when viewed on screen as a PDF, or when printed as a hard copy. Trial pit backfilled with arisings upon completion.			
						Scale (approx) 1:25		Logged By ST	

 Coopers (Chester) Ltd tel: 01244 684 910 web: www.coopers.co.uk email: admin@coopers.co.uk				Site GATEWEN ROAD, WREXHAM		Trial Pit Number TP106			
Machine : JCB 3CX Method : Mechanical Excavation		Dimensions 2.00 x 0.60 x 1.70m		Ground Level (mOD)		Client Bellway Home North West		Job Number 7791	
		Location (Observed measurements)		Dates 24/05/2021		Engineer Coopers (Chester) Ltd		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
0.10	B				0.30	TOPSOIL. Grass over dark brown, slightly gravelly, slightly clayey, sandy SILT. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Contains rootlets throughout.			
					0.30				
					(1.40)	Firm, reddish brown, gravelly, silty, very sandy CLAY with a high cobble content. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies.			
1.20	B				1.70	Complete at 1.70m			
					Remarks Location CAT scanned prior to excavation. Spalling below 0.30m during excavation. No groundwater encountered during excavation. Unable to take shear vane, clay disintegrating on recovery. Please note that discolouration of photographs may occur when viewed on screen as a PDF, or when printed as a hard copy. Trial pit backfilled with arisings upon completion.				
					Scale (approx) 1:25		Logged By ST		Checked By PRS

 Coopers (Chester) Ltd tel: 01244 684 910 web: www.coopers.co.uk email: admin@coopers.co.uk				Site GATEWEN ROAD, WREXHAM		Trial Pit Number TP107			
Machine : JCB 3CX Method : Mechanical Excavation		Dimensions 2.00 x 0.60 x 2.60m		Ground Level (mOD)		Client Bellway Home North West		Job Number 7791	
		Location (Observed measurements)		Dates 24/05/2021		Engineer Coopers (Chester) Ltd		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
0.10	B				(0.20)	TOPSOIL. Grass over dark brown, slightly gravelly, slightly clayey, sandy SILT. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Contains rootlets throughout.			
0.40 0.40	J V				0.20	Firm, orangish brown, silty, sandy, gravelly CLAY with a moderate cobble content. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies.			
1.00	B				(2.00)				
2.30 2.40	SV 60**kPa B				2.20 (0.40)	Firm, light brown, slightly sandy, silty, gravelly CLAY. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. At 2.30m: Medium strength			
2.60	SV 55**kPa				2.60	Complete at 2.60m			
						Remarks Location CAT scanned prior to excavation. Sides stable, minor spalling due to cobbles. No groundwater encountered during excavation. No shear vanes above 2.20m, clay disintegrating on recovery. **False shear on gravels. Please note that discolouration of photographs may occur when viewed on screen as a PDF, or when printed as a hard copy. Trial pit backfilled with arisings upon completion.			
						Scale (approx) 1:25		Logged By ST	

 Coopers (Chester) Ltd tel: 01244 684 910 web: www.coopers.co.uk email: admin@coopers.co.uk				Site GATEWEN ROAD, WREXHAM		Trial Pit Number TP108			
Machine : JCB 3CX Method : Mechanical Excavation		Dimensions 2.00 x 0.60 x 2.90m		Ground Level (mOD)		Client Bellway Home North West		Job Number 7791	
		Location (Observed measurements)		Dates 24/05/2021		Engineer Coopers (Chester) Ltd		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
0.15 0.15	J V				(0.20) 0.20	TOPSOIL. Grass over dark brown, slightly gravelly, slightly clayey, sandy SILT. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Contains rootlets throughout.			
0.40	B				(0.50) 0.70	Light orangish brown, slightly gravelly, clayey, very silty, fine SAND. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. *Assumed as loose to medium dense.			
0.80	B				(1.30) 2.00	Firm, orangish brown, silty, sandy, very gravelly CLAY. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Low cobble content.			
2.10 2.20	SV 60kPa B				(0.90) 2.90	Firm, light brown, silty, slightly gravelly, sandy CLAY with a low cobble content. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies including frequent coal. At 2.10m: Medium strength			
2.80	SV 62kPa		Seepage at base during excavation(1) at 2.90m.			Complete at 2.90m			▽1
					Remarks Location CAT scanned prior to excavation. Sides stable, minor spalling throughout. Seepage at base of trial pit at 2.90m during excavation. *Based upon trenchside stability characteristics. Unable to take shear vanes above 2.00m, clay disintegrating on recovery. Please note that discolouration of photographs may occur when viewed on screen as a PDF, or when printed as a hard copy. Trial pit backfilled with arisings upon completion.				
					Scale (approx) 1:25		Logged By ST		Checked By PRS

 Coopers (Chester) Ltd tel: 01244 684 910 web: www.coopers.co.uk email: admin@coopers.co.uk				Site GATEWEN ROAD, WREXHAM		Trial Pit Number TP109			
Machine : JCB 3CX Method : Mechanical Excavation		Dimensions 2.00 x 0.60 x 2.70m		Ground Level (mOD)		Client Bellway Home North West		Job Number 7791	
		Location (Observed measurements)		Dates 24/05/2021		Engineer Coopers (Chester) Ltd		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
0.10 0.10	J V				0.30	TOPSOIL. Grass over dark brown, slightly gravelly, slightly clayey, sandy SILT. Sand is fine to coarse. Gravel is angular to sub-angular, fine to coarse of various lithologies including rare ceramics. Contains rootlets throughout.			
0.50	B				(2.40)	Light orangish brown, clayey, gravelly, fine to coarse (predominantly fine to medium) SAND with a moderate cobble content. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Contains pockets of reddish brown clay throughout.			
2.00	B				2.70	Complete at 2.70m			
						Remarks Location CAT scanned prior to excavation. Sides stable, spalling throughout. No groundwater encountered during excavation. Please note that discolouration of photographs may occur when viewed on screen as a PDF, or when printed as a hard copy. Trial pit terminated at 2.70m on layer of cobbles/boulders. Trial pit backfilled with arisings upon completion.			
						Scale (approx) 1:25		Logged By ST	

 Coopers (Chester) Ltd tel: 01244 684 910 web: www.coopers.co.uk email: admin@coopers.co.uk				Site GATEWEN ROAD, WREXHAM		Trial Pit Number TP110			
Machine : JCB 3CX Method : Mechanical Excavation		Dimensions 2.00 x 0.60 x 2.60m		Ground Level (mOD)		Client Bellway Home North West		Job Number 7791	
		Location (Observed measurements)		Dates 24/05/2021		Engineer Coopers (Chester) Ltd		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
0.10	B				(0.25)	TOPSOIL. Grass over dark brown, slightly clayey, slightly gravelly, sandy SILT. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Contains rootlets throughout.			
0.40	B				0.25	Orangish brown, slightly gravelly, clayey, very silty, fine to coarse SAND. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies.			
					(1.05)				
					1.30	Firm, reddish brown, silty, sandy, very gravelly CLAY with a low cobble content. Contains pockets of light brown, fine to medium SAND. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies.			
1.50	B				(1.30)				
					2.60	Complete at 2.60m			
 Remarks Location CAT scanned prior to excavation. Sides stable, minor spalling throughout. No groundwater encountered during excavation. Please note that discolouration of photographs may occur when viewed on screen as a PDF, or when printed as a hard copy. Unable to take shear vanes, clay disintegrating on recovery. Trial pit backfilled with arisings upon completion.									
Scale (approx) 1:25						Logged By ST		Checked By PRS	

 Coopers (Chester) Ltd tel: 01244 684 910 web: www.coopers.co.uk email: admin@coopers.co.uk				Site GATEWEN ROAD, WREXHAM		Trial Pit Number TP111			
Machine : JCB 3CX Method : Mechanical Excavation		Dimensions 2.00 x 0.60 x 2.70m		Ground Level (mOD)		Client Bellway Home North West		Job Number 7791	
		Location (Observed measurements)		Dates 24/05/2021		Engineer Coopers (Chester) Ltd		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
0.10	B				(0.20)	TOPSOIL. Grass over dark brown, slightly clayey, slightly gravelly, sandy SILT. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Contains rootlets throughout.			
0.50	B				0.20	Light orangish brown, slightly gravelly, clayey, very silty, fine SAND with pockets of reddish brown clay throughout. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. *Assumed as loose to medium dense.			
					(1.10)				
					1.30	Firm, brown, slightly sandy, very gravelly CLAY with a moderate cobble content. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies.			
1.40	B				(1.40)	At 2.00m: Feels stiff			
					2.70	Complete at 2.70m			
 Remarks Location CAT scanned prior to excavation. Sides stable, minor spalling throughout. No groundwater encountered during excavation. *Based upon trenchside stability characteristics. Please note that discolouration of photographs may occur when viewed on screen as a PDF, or when printed as a hard copy. Unable to take shear vanes, clay disintegrating on recovery. Trial pit backfilled with arisings upon completion.									
Scale (approx) 1:25						Logged By ST		Checked By PRS	

 coopers chartered consulting engineers			Coopers (Chester) Ltd tel: 01244 684 910 web: www.coopers.co.uk email: admin@coopers.co.uk			Site GATEWEN ROAD, WREXHAM		Trial Pit Number TP112
Machine : JCB 3CX Method : Mechanical Excavation		Dimensions 2.00 x 0.60 x 2.90m		Ground Level (mOD)		Client Bellway Home North West		Job Number 7791
		Location (Observed measurements)		Dates 24/05/2021		Engineer Coopers (Chester) Ltd		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.10 0.10	J V				(0.20) 0.20	TOPSOIL. Grass over dark brown, slightly clayey, slightly gravelly, sandy SILT. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Contains rootlets throughout.		
0.40	SV 70kPa					Firm, orangish brown, slightly gravelly, silty, very sandy CLAY. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Low cobble content. At 0.40m: Medium strength		
0.60	B							
1.10	SV 84kPa				(1.60)	At 1.10m: High strength		
2.00	B				1.80 (0.40)	Firm, brown, slightly sandy, silty, very gravelly CLAY. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Low cobble content.		
			Running sand(1) at 2.20m.		2.20	Brown, clayey, gravelly, fine to coarse SAND. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Wet. *Assumed as loose due to water ingress.		V ₁
2.70	B				(0.70)			
					2.90	Complete at 2.90m		
						Remarks Location CAT scanned prior to excavation. Sides collapsed below 2.20m during excavation. Minor spalling between 0.20-2.20m. Running sand from 2.20-2.90m during excavation. Please note that discolouration of photographs may occur when viewed on screen as a PDF, or when printed as a hard copy. Unable to take shear vanes below 1.80m, clay disintegrating on recovery. Trial pit backfilled with arisings upon completion.		
						Scale (approx) 1:25	Logged By ST	Checked By PRS

 Coopers (Chester) Ltd tel: 01244 684 910 web: www.coopers.co.uk email: admin@coopers.co.uk				Site GATEWEN ROAD, WREXHAM				Trial Pit Number TP113		
Machine : JCB 3CX Method : Mechanical Excavation		Dimensions 2.00 x 0.60 x 2.60m		Ground Level (mOD)		Client Bellway Home North West		Job Number 7791		
		Location (Observed measurements)		Dates 24/05/2021		Engineer Coopers (Chester) Ltd		Sheet 1/1		
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water		
0.10	B				(0.30)	TOPSOIL. Grass over dark brown, slightly clayey, slightly gravelly, sandy SILT. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Contains rootlets throughout.		V1		
0.40	B				0.30	Firm, orangish brown, slightly gravelly, silty, very sandy CLAY. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Low cobble content. At 0.50m: Medium strength				
0.50	SV 58kPa				(0.80)					
1.00	SV 70kPa				1.10	Brown, clayey, very gravelly, fine to coarse SAND with a low cobble content, inter-bedded with firm, brown clay. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. *Assumed as loose to medium dense.				
1.20	B				(1.50)					
										
										
			Seepage during excavation(1) at 1.80m.		2.60	Complete at 2.60m				
					Remarks Location CAT scanned prior to excavation. Minor spalling between 0.30-1.10m during excavation. Partial collapses below 1.10m. Groundwater seepage at 1.80m during excavation. Please note that discolouration of photographs may occur when viewed on screen as a PDF, or when printed as a hard copy. Trial pit backfilled with arisings upon completion.					
					Scale (approx)		Logged By		Checked By	
					1:25		ST		PRS	

 Coopers (Chester) Ltd tel: 01244 684 910 web: www.coopers.co.uk email: admin@coopers.co.uk				Site GATEWEN ROAD, WREXHAM				Trial Pit Number TP114	
Machine : JCB 3CX Method : Mechanical Excavation		Dimensions 2.00 x 0.60 x 2.80m		Ground Level (mOD)		Client Bellway Home North West		Job Number 7791	
		Location (Observed measurements)		Dates 24/05/2021		Engineer Coopers (Chester) Ltd		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
0.10	B				(0.20) 0.20	TOPSOIL. Grass over dark brown, slightly gravelly, slightly clayey, sandy SILT. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Contains rootlets throughout.			
0.60	B				(0.90)	Light reddish brown, slightly gravelly, very clayey, fine to coarse SAND. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. *Assumed as loose to medium dense.			
1.30	SV 64kPa				1.10	Firm, reddish brown, slightly gravelly, silty, very sandy CLAY. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. Low cobble content. At 1.30m: Medium strength			
1.50	B				(1.00)				
					2.10	Brown, slightly clayey, sub-angular to sub-rounded, fine to coarse SAND and GRAVEL of various lithologies. *Assumed as loose to medium dense.			
2.50	B				(0.70)				
					2.80	Complete at 2.80m			
					Remarks Location CAT scanned prior to excavation. Sides stable during excavation. No groundwater encountered during excavation. *Based upon trenchside stability characteristics. Please note that discolouration of photographs may occur when viewed on screen as a PDF, or when printed as a hard copy. Trial pit backfilled with arisings upon completion.				
					Scale (approx) 1:25		Logged By ST		Checked By PRS



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Site

GATEWEN ROAD, WREXHAM

Trial Pit Number

TP115

Machine : JCB 3CX

Method : Mechanical Excavation

Dimensions

2.00 x 0.60 x 2.90m

Ground Level (mOD)

Client

Bellway Home North West

Job Number

7791

Location (Observed measurements)

Dates

24/05/2021

Engineer

Coopers (Chester) Ltd

Sheet

1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.10	B				0.30	TOPSOIL. Grass over dark brown, slightly clayey, slightly gravelly, sandy SILT. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies.		
0.50	B				0.40	Orangish brown, slightly gravelly, clayey, fine to medium SAND. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies. *Assumed as loose to medium dense.		
0.70	B				0.70	Firm becoming stiff, brown, silty, sandy, very gravelly CLAY with a moderate cobble content. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse of various lithologies.		
					(2.20)			
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
2.00	B				2.90	Complete at 2.90m		



Remarks

Location CAT scanned prior to excavation.
 Minor spalling throughout during excavation.
 No groundwater encountered during excavation.
 *Based upon trenchside stability characteristics.
 Please note that discolouration of photographs may occur when viewed on screen as a PDF, or when printed as a hard copy.
 Unable to take shear vanes, clay disintegrating on recovery.
 Trial pit backfilled with arisings upon completion.

Scale (approx)

1:25

Logged By

ST

Checked By

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TRIAL PIT LOG

Project Name: Wrexham University (Gatewen Road)

Date: 07/01/2019

Project No.: A2813/19

Client: Scott Hughes Design

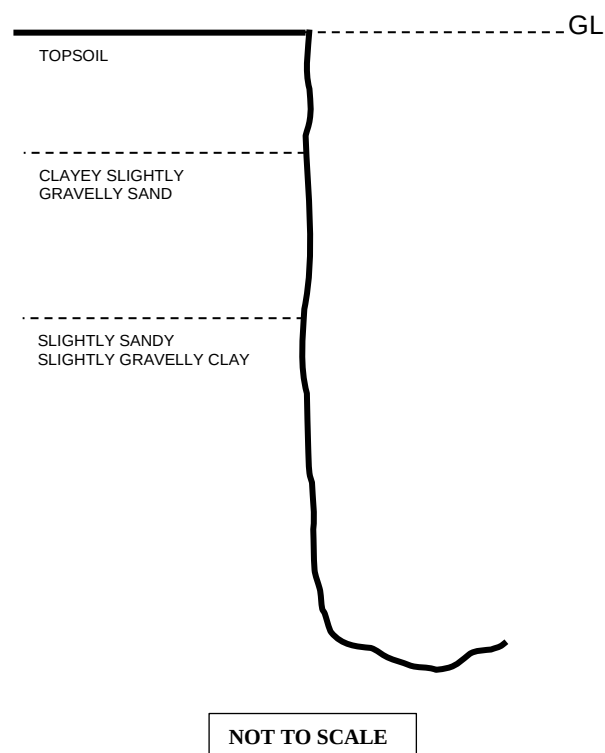
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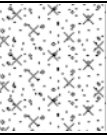
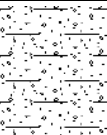
Logged By: J Cummins

Total Depth: 2.10m

Remarks:

Schematic Profile:



Legend	Depth (m)	Description
	0.00-0.30	Grass over brown clayey fine to coarse SAND. Abundant roots and rootlets. (TOPSOIL)
	0.30-1.40	Orangish brown clayey slightly gravelly fine to coarse SAND. Gravel is fine to coarse of quartz and mudstone.
	1.40-2.10	Soft orangish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse sub rounded of mudstone and quartz.
		Trial pit stable. No groundwater emergence.

Trial pit terminated at 2.10m.

Pictures:



Soakaway Pit 01: Internal view of excavation.



Soakaway Pit 01: Excavation spoil.



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TRIAL PIT LOG

Project Name: Wrexham University (Gatewen Road)

Date: 07/01/2019

Project No.: A2813/19

Client: Scott Hughes Design

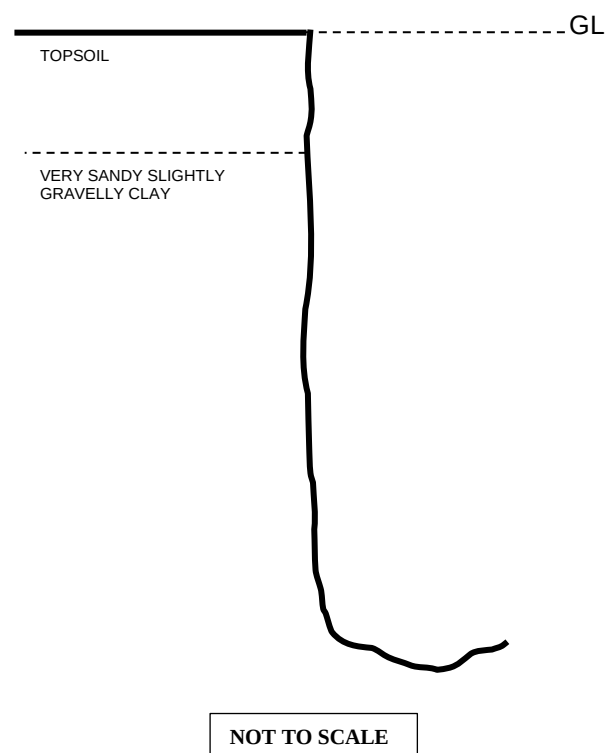
Hole Number: TP02

Logged By: J Cummins

Total Depth: 2.00m

Remarks:

Schematic Profile:



Legend	Depth (m)	Description
	0.00-0.30	Grass over brown clayey fine to coarse SAND. Abundant roots and rootlets. (TOPSOIL)
	0.30-2.00	Stiff orangish brown very sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse sub rounded of sandstone and quartz.
		Trial pit stable. No groundwater emergence.

Trial pit terminated at 2.00m.

Pictures:



Soakaway Pit 02: Internal view of excavation.



Soakaway Pit 02: Excavation spoil.



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TRIAL PIT LOG

Project Name: Wrexham University (Gatewen Road)

Date: 07/01/2019

Project No.: A2813/19

Client: Scott Hughes Design

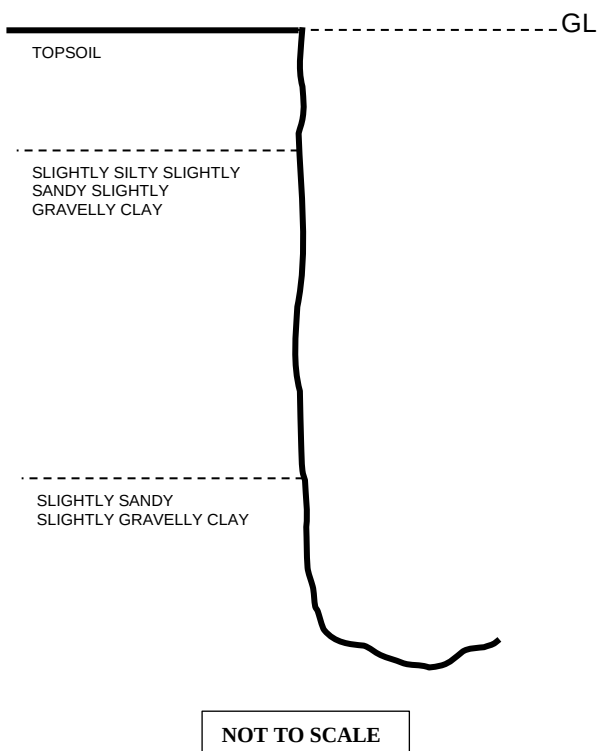
Hole Number: TP03

Logged By: J Cummins

Total Depth: 2.30m

Remarks: Water at base of Trial Pit

Schematic Profile:



Legend	Depth (m)	Description
	0.00-0.30	Grass over brown clayey fine to coarse SAND. Abundant roots and rootlets. (TOPSOIL)
	0.30-1.90	Soft orangish brown slightly silty slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subrounded of quartz and mudstone.
	1.90-2.30	Firm orange slightly sandy slightly gravelly CLAY. Sand is fine to coarse subrounded of mudstone, sandstone and quartz.
		Trial pit stable. Groundwater emergence at base of pit.

Trial pit terminated at 2.30m.

Pictures:



Soakaway Pit 03: Internal view of excavation.



Soakaway Pit 03: Excavation spoil.



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TRIAL PIT LOG

Project Name: Wrexham University (Gatewen Road)

Date: 07/01/2019

Project No.: A2813/19

Client: Scott Hughes Design

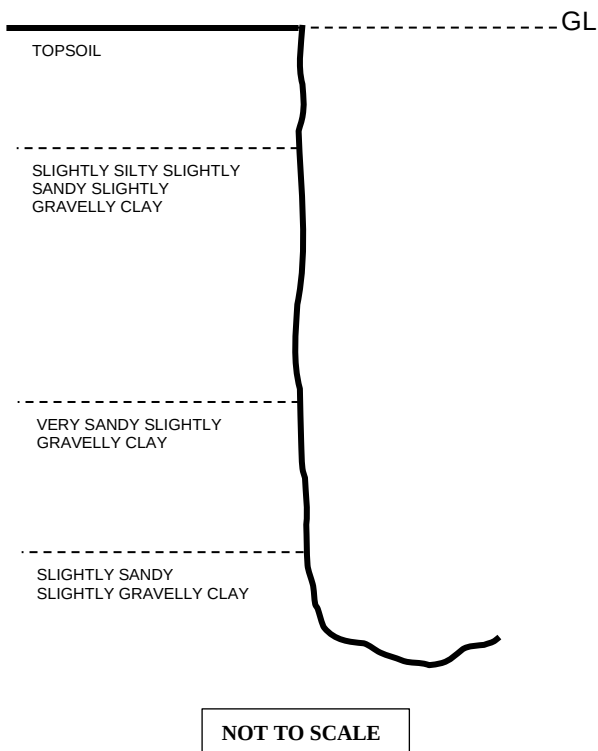
Hole Number: TP04

Logged By: J Cummins

Total Depth: 2.00m

Remarks:

Schematic Profile:



Legend	Depth (m)	Description
	0.00-0.30	Grass over brown clayey fine to coarse SAND. Abundant roots and rootlets. (TOPSOIL)
	0.30-1.10	Soft orangish brown slightly silty slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subrounded of quartz and mudstone.
	1.10-1.60	Firm yellowish brown very sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subrounded of mudstone and sandstone.
	1.60-2.00	Firm orange slightly sandy slightly gravelly CLAY. Sand is fine to coarse subrounded of mudstone, sandstone and quartz.
		Trial pit stable. No groundwater emergence.

Trial pit terminated at 2.00m.

Pictures:



Soakaway Pit 04: Internal view of excavation.



Soakaway Pit 04: Excavation spoil.



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TRIAL PIT LOG

Project Name: Wrexham University (Gatewen Road)

Date: 07/01/2019

Project No.: A2813/19

Client: Scott Hughes Design

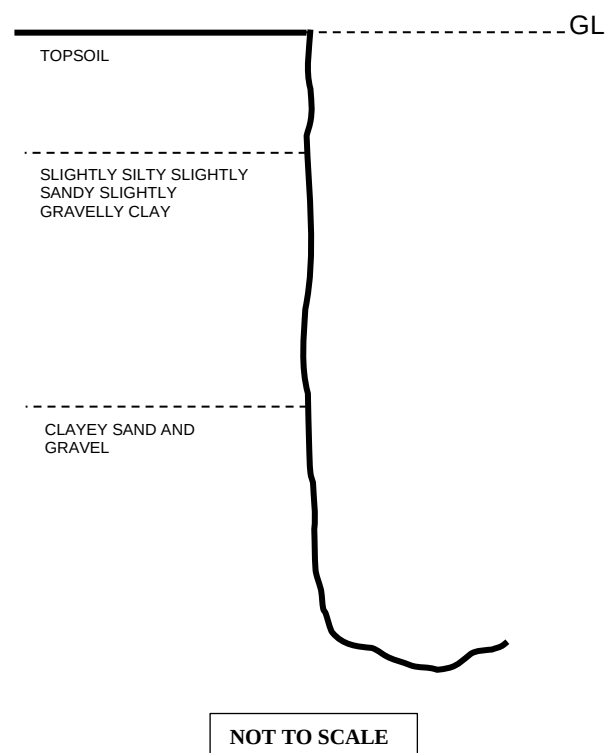
Hole Number: TP05

Logged By: J Cummins

Total Depth: 1.90m

Remarks:

Schematic Profile:



Legend	Depth (m)	Description
	0.00-0.30	Grass over brown clayey fine to coarse SAND. Abundant roots and rootlets. (TOPSOIL)
	0.30-1.10	Soft orangish brown slightly silty slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subrounded of quartz and mudstone.
	1.10-1.90	Orange slightly clayey SAND and GRAVEL. Sand is fine to coarse. Gravel is fine to coarse angular to subrounded of mudstone, sandstone, quartz and carbonaceous fragments. Occasional cobbles of quartz and sandstone.
		Trial pit unstable. No groundwater emergence.

Trial pit terminated at 1.90m.

Pictures:



Soakaway Pit 05: Internal view of excavation.



Soakaway Pit 05: Excavation spoil.