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Trial Pit Log

TrialPit No
TP33
Sheet 1 of 1

Project Name:	Wrexham Road, Rhostyllen	Project No.	22094	Co-ords: - Level:		Date	16/11/2022
Location:	Wrexham Road, Rhostyllen, Wrexham	Dimensions (m):		1.50		Scale	1:25
Client:	SG Estates Ltd	Depth	3.20			Logged	MA

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.15	ES		0.30			Brown slightly gravelly slightly sandy silty CLAY with frequent rootlets. Gravel subangular to subrounded fine to coarse of siltstone and sandstone.	
	0.60	D					Firm orangish brown slightly gravelly slightly sandy silty CLAY with a low sandstone cobble content. Gravel is subangular to subrounded fine to coarse of siltstone and sandstone.	
	1.00	D					... Becoming stiff	1
	1.20	D					Light brown slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded of coal and siltstone.	2
	2.50	D		2.00			End of Pit at 3.20m	3
	3.20	D		3.20				

Trial Pit Photographs



TP33 Excavation



TP33 Spoil

Remarks: No groundwater encountered. On completion, trial pits were backfilled with arisings.

Stability: Spalling below 2.00m

AGS



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Trial Pit Log

TrialPit No
TP34
Sheet 1 of 1

Project Name:	Wrexham Road, Rhostyllen	Project No.	22094	Co-ords: - Level:		Date	16/11/2022
Location:	Wrexham Road, Rhostyllen, Wrexham	Dimensions (m):	1.50	Depth	3.00	Scale	1:25
Client:	SG Estates Ltd					Logged	MA

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10	ES		0.20			Brown slightly gravelly slightly sandy silty CLAY with frequent rootlets. Gravel subangular to subrounded fine to coarse of siltstone and sandstone.	
	1.00 1.00	D	HVP=95				Friable firm to stiff orangish brown mottled grey slightly gravelly slightly sandy silty CLAY a low sandstone cobble content. Gravel subangular to subrounded fine to coarse of siltstone and sandstone.	1
	3.00	D		3.00			End of Pit at 3.00m	3

Trial Pit Photographs



TP34 Excavation



TP34 Spoil

Remarks: No groundwater encountered. On completion, trial pits were backfilled with arisings.

Stability: Vertical and stable

AGS

Trial Pit Log

TrialPit No
TP35
Sheet 1 of 1

Project Name: Wrexham Road, Rhostyllen				Project No. 22094		Co-ords: - Level:		Date 16/11/2022	
Location: Wrexham Road, Rhostyllen, Wrexham						Dimensions (m):		Scale 1:25	
Client: SG Estates Ltd						Depth 3.00		Logged MA	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	0.20	ES	HVP=95	0.30			Brown slightly gravelly slightly sandy silty CLAY with frequent rootlets. Gravel subangular to subrounded fine to coarse of siltstone and sandstone.		
	0.90	D					Firm orangish brown mottled grey slightly gravelly slightly sandy silty CLAY with a low siltstone cobble content. Gravel subangular to subrounded fine to coarse siltstone and sandstone		
	1.00								
	1.20	D							
									
			HVP=95						
									
									
									
									
	2.30	D	HVP=95						
									
									
									
									
	2.90	D	HVP=95	3.00					
									
									
									
									
						End of Pit at 3.00m			

Trial Pit Photographs



IMG_9779



TP35 Spoil

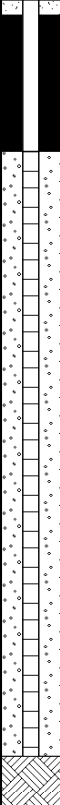
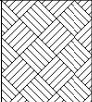
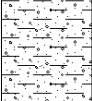
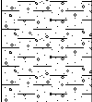
Remarks: No groundwater encountered. On completion, trial pits were backfilled with arisings.

Stability: Vertical and stable

AGS

LOT Geotechnics Limited				Borehole Log				Borehole No. WS01 Sheet 1 of 1	
Project Name: Wrexham Road, Rhosyllen				Project No. 22094		Co-ords: 331491E - 348511N		Hole Type WS	
Location: Wrexham Road, Rhosyllen, Wrexham						Level:		Scale 1:50	
Client: SG Estates Ltd						Dates: 24/10/2022		Logged By KE	
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	D		0.20			Friable dark brown slightly sandy organic CLAY with occasional rootlets. (Topsoil) Friable stiff brown slightly gravelly slightly sandy CLAY. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and quartz.	1
		0.60	D						
		1.00	SPT	N=20 (5,5/5,5,5,5)					
		1.80	D		1.70			Loose brown gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone, quartz and coal.	2
		2.00	SPT	N=8 (2,2/2,2,2,2)					
		2.90	D		2.80			Brown slightly sandy clayey SILT. Very soft brown sandy CLAY.	3
		3.00	SPT	N=3 (1,1/1,0,1,1)	3.00				
		3.10	D		3.40			Medium dense grey and brown sandy clayey subangular to subrounded fine to coarse GRAVEL of sandstone and mudstone.	4
		4.00	D						
		4.00	SPT	N=19 (3,3/4,4,5,6)					
	5.00	SPT	N=11 (3,2/2,3,3,3)					5	
				5.45			End of Borehole at 5.45m	6	
								7	
								8	
								9	
								10	
Remarks Location scanned with CAT prior to drilling. Hand dug pit to 1.00m. Groundwater: wet at 2.00m. Borehole complete at 5.45m.									

LOT Geotechnics Limited				Borehole Log				Borehole No. WS02 Sheet 1 of 1	
Project Name: Wrexham Road, Rhostyllen				Project No. 22094		Co-ords: 331561E - 348531N		Hole Type WS	
Location: Wrexham Road, Rhostyllen, Wrexham				Level:		Scale 1:50		Logged By KE	
Client: SG Estates Ltd				Dates: 24/10/2022					

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.40	D		0.70		Brown slightly gravelly slightly clayey SAND with some roots. (Topsoil)	1	
	1.00 1.00	D SPT	N=18 (3,4/4,4,5,5)				Friable stiff brown mottled grey and dark brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and coal.		
	2.00 2.10	SPT D	N=6 (2,2/2,1,2,1)	2.00		Loose becoming very loose brown slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone, quartz and coal.	2		
	3.00 3.00	D SPT	N=3 (2,2/1,0,1,1)	3.40		... <u>Becoming very loose</u>	3		
	4.00 4.00	D SPT	N=6 (1,1/2,1,1,2)		5.33		Very soft becoming soft brown slightly gravelly slightly sandy CLAY. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and coal.	4	
	5.00 5.00	D SPT	50 (9,11/50 for 180mm)	End of Borehole at 5.33m			5		
								6	
								7	
								8	
								9	
								10	

Remarks
Location scanned with CAT prior to drilling. Hand dug pit to 1.00m. Groundwater: none encountered. Terminated at 5.33m, possible cobble/ boulder obstruction.



LOT Geotechnics Limited				Borehole Log				Borehole No. WS03 Sheet 1 of 1	
Project Name: Wrexham Road, Rhosyllen				Project No. 22094		Co-ords: 331877E - 348809N		Hole Type WS	
Location: Wrexham Road, Rhosyllen, Wrexham				Level:		Scale 1:50		Logged By KE	
Client: SG Estates Ltd				Dates: 24/10/2022					

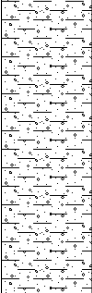
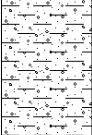
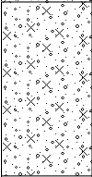
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	D		0.40			MADE GROUND: Friable dark brown sandy organic clay with occasional roots and rootlets (Topsoil)	1
		0.50	D						
		1.00	D	N=18 (2,4/4,4,4,6)				MADE GROUND: Reddish brown sandy gravel. Gravel is subangular, fine to medium of brick. Stiff becoming firm friable brown sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and quartz.	
		1.00	SPT						
		2.00	D	N=17 (2,3/4,4,4,5)					2
		2.00	SPT						
		3.00	D	N=20 (4,4/4,5,5,6)					3
		3.00	SPT						
		4.00	D	N=11 (2,2/2,3,3,3)					4
		4.00	SPT						
4.90 - 5.00	D	N=28 (6,8/7,7,7,7)					5		
5.00	SPT								
				5.45					6
									7
									8
									9
									10

Remarks

Location scanned with CAT prior to drilling. Hand dug pit to 1.00m. Groundwater: none encountered. Borehole complete at 5.45m.

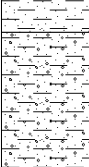
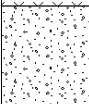
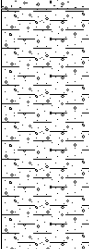
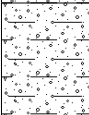


LOT Geotechnics Limited				Borehole Log				Borehole No. WS04 Sheet 1 of 1	
Project Name: Wrexham Road, Rhosyllen				Project No. 22094		Co-ords: 331886E - 348829N		Hole Type WS	
Location: Wrexham Road, Rhosyllen, Wrexham						Level:		Scale 1:50	
Client: SG Estates Ltd						Dates: 24/10/2022		Logged By KE	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		0.20	D	N=26 (3,4/4,6,8,8)	0.40		Friable dark brown sandy organic CLAY with occasional roots and rootlets (Topsoil)	1			
		0.70	D				N=19 (4,4/4,5,5,5)		2.40		Stiff friable brown sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and quartz.
		1.00	SPT								
		1.50	D	N=26 (4,4/5,7,7,7)	2.90		Brown silty fine to coarse SAND.	3			
		2.00	SPT				N=47 (11,10/11,14,11,11)		3.90		Stiff brown sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone, quartz and coal.
		2.50	D								
		3.00	SPT	N=51 (12,12/13,12,13,13)	5.05		Dense becoming very dense grey sandy silty GRAVEL. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and quartz.	4			
		3.50	D								
		4.00	SPT								
				4.50	D					5	
		4.60	SPT								
		End of Borehole at 5.05m						5			
									6		
									7		
									8		
									9		
									10		

Remarks
 Location scanned with CAT prior to drilling. Hand dug pit to 1.00m. Groundwater: none encountered. Borehole complete due to sampler refusal at 5.05m.



LOT Geotechnics Limited				Borehole Log				Borehole No. WS05 Sheet 1 of 1	
Project Name: Wrexham Road, Rhosyllen				Project No. 22094		Co-ords: 331855E - 348770N		Hole Type WS	
Location: Wrexham Road, Rhosyllen, Wrexham				Level:		Scale 1:50		Logged By KE	
Client: SG Estates Ltd				Dates: 24/10/2022					
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	D		0.40			Friable dark brown sandy organic CLAY with occasional roots and rootlets (Topsoil)	
		0.60	D					Stiff light brown sandy CLAY.	
		1.00	SPT D	N=24 (3,5/5,5,8,6)	1.00			Stiff brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone, quartz and coal.	1
		1.10							
		2.00	SPT D	N=12 (1,2/3,3,3,3)	2.00			Soft light brown clayey sandy SILT.	2
		2.10							
		2.50	D		2.40			Brown locally dark brown gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone, quartz and coal.	
		3.00	SPT						
		3.50	D		4.70			Firm brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and quartz.	
		4.00	SPT						
		4.80	D		5.45			Medium dense brown and dark grey clayey sandy GRAVEL. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and coal.	5
		5.00	SPT						
		End of Borehole at 5.45m							6
									7
									8
									9
									10
Remarks									
Location scanned with CAT prior to drilling. Hand dug pit to 1.00m. Groundwater: none encountered. Borehole complete at 5.45m.									
									

Legend:

- Approximate Site Boundary
- TP Locations
- Shallow TP Locations
- WS Locations
- Existing Highway Drainage
- Existing Sewer Pipe

W3W Locations:

TP36///sorry.viewer.deflated	43///cherished.reckoned.bowls	50///clasping.melons.fruit
TP37///rant.keeps.systems	44///mankind.regretted.hatter	51///ambushed.enjoys.windows
TP38///practical.makes.autumn	45///stealthier.nitrate.cashiers	
TP39///cone.cold.customers	46///recount.rainy.hiker	
TP40///undercuts.insisting.foam	47///inferior.newest.providing	
TP41///denote.convinces.pinging	48///straws.guideline.pushover	
TP42///coasted.decoding.usages	49///smoke.amended.captions	



D	Revised to suit existing positions (MA)	07.12.22
C	Revised to include additional trial pit locations (MA)	29.11.22
B	Revised to include additional trial pit locations (MA)	24.11.22
A	Revised to suit existing positions (MA)	25.10.22
revision suffix	Revision details	Date



Drawing Stage	Drawing Status	
Draft	Comments	● Tender
● Issued	Information	Construction
Preliminary	Approval	As Built

This drawing is not authorised unless signed as checked & approved

Client
SG Estates

Job title
Wrexham Road, Rhostyllen

Drawing title
Exploratory Hole Location Plan Plots 1-44

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CONSULTING ENGINEERS

CIVIL • STRUCTURAL

GEOTECHNICAL • ENVIRONMENTAL

Chkd	Appvd	date	scale	drawn
		20.10.22	NTS	MA

DRAWING No	22094/05	rev
		D

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