

Earth Science Partnership

Consulting Engineers | Geologists | Environmental Scientists

Project Name:

Factory Road

Site Location:

Newport

Client:

Interstrand LTD

Project No:

8159

Drilling method

Equipment

Terrier Rig

Ground Level:

20.00 mOD

Easting:

330877 m

Northing:

188672 m

Start date:

30/06/2022

End date:

30/06/2022

Backfill date:

30/06/2022

Driller:

SWGT

Logged by:

AB

Date logged:

30/06/2022

WS01

Depth	Sample		Test Details		TCR (%)	Water Depth	Casing Depth	Strata Details		Water Strikes/ Standing	Depth		Backfill/ Install- ations	
	Type	Class	Type	Result				Description	Legend		Depth (Thickness)	mOD		
0.40	ES							Tarmacadam Surface Layer. (MADE GROUND).			(0.05)	19.95		
											0.05 (0.25)	19.70		
0.80	D							Dense, grey mottled reddish brown, sandy GRAVEL with low cobble content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded consisting of Limestone. Limestone cobbles are subangular measuring up to 70mm. (MADE GROUND - SUBBASE).			0.30	19.70		
											(0.60)	19.10		
1.00	ES							Firm, reddish brown, gravelly sandy CLAY. Sand is fine to coarse, gravel is fine to coarse angular to subrounded consisting of Mudstone, brick and coal. Brick cobbles are angular measuring up to 75mm. (MADE GROUND - PROBABLE REWORKED MERCIA MUDSTONE FORMATION).			1	(0.30)	18.80	
1.50	ES		SPT	16 (6,6/4,4,4,4)				Medium dense, blackish grey, sandy GRAVEL. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded consisting of Limestone, coal and slag. (MADE GROUND - PROBABLE REWORKED FILL MATERIAL).			1.20	18.80		
											(0.90)	2		
2.40	ES							Medium dense, brown mottled black, gravelly clayey SAND. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded consisting of Limestone, coal and slag. (MADE GROUND - PROBABLE REWORKED FILL MATERIAL).			2.10	17.90		
											(0.90)	3		
2.60	D							Stiff, reddish brown, slightly gravelly silty CLAY. Gravel is fine to medium subrounded consisting of Mudstone. (GRADE E WEATHERED MERCIA MUDSTONE FORMATION).						
3.50	B										(2.90)			
											SPT	14 (3,3/3,3,4,4)		

Progress & Standing Water Levels					Water Strikes					Chiselling			Hole Diameter		Casing Diameter			
Date	Time	Hole Depth	Casing Depth	Water Depth	Date	Time	Strike Depth	Casing Depth	Elapsed Minutes	Depth to Water	Depth Sealed	Depth Top	Depth Base	Duration	Hole Depth	Hole Diameter	Casing Diameter	Casing Depth
															5.00	70		

General Remarks

1. Coordinates and ground level obtained using handheld GPS on site.

2. Service plans inspected and borehole position scanned with CAT and Genny prior to breaking ground. Hand excavated inspection pit dug to 1.2m.

3. Borehole terminated at 5.0m due to refusal of windowless sampler.

4. 50mm Gas monitoring well installed with reponse zone between 2.0-0.5m.

5. Borehole backfilled with arisings, bentonite and gravel upon completion.

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Ground Level:

20.00 mOD

Easting:

330877 m

Northing:

188672 m

Start date:

30/06/2022

End date:

30/06/2022

Backfill date:

30/06/2022

Driller:

SWGT

Logged by:

AB

Date logged:

30/06/2022

WS01

Depth	Sample		Test Details		TCR (%)	Water Depth	Casing Depth	Strata Details		Legend	Water Strikes/ Standing	Depth		Backfill/ Install- ations
	Type	Class	Type	Result				Description	Strikes/ Standing			Depth (Thickness)	mOD	
			SPT	22 (4,5/5,4,6,7)				Stiff, reddish brown, slightly gravelly silty CLAY. Gravel is fine to medium subrounded consisting of Mudstone. (GRADE E WEATHERED MERCIA MUDSTONE FORMATION).						
			SPT	50 (10,11/50 for 160mm)				End of Borehole at 5.000m				5.00	15.00	
												6		
												7		

Progress & Standing Water Levels					Water Strikes							Chiselling			Hole Diameter		Casing Diameter	
Date	Time	Hole Depth	Casing Depth	Water Depth	Date	Time	Strike Depth	Casing Depth	Elapsed Minutes	Depth to Water	Depth Sealed	Depth Top	Depth Base	Duration	Hole Depth	Hole Diameter	Casing Diameter	Casing Depth
															5.00	70		

General Remarks

1. Coordinates and ground level obtained using handheld GPS on site.

2. Service plans inspected and borehole position scanned with CAT and Genny prior to breaking ground. Hand excavated inspection pit dug to 1.2m.

3. Borehole terminated at 5.0m due to refusal of windowless sampler.

4. 50mm Gas monitoring well installed with reponse zone between 2.0-0.5m.

5. Borehole backfilled with arisings, bentonite and gravel upon completion.

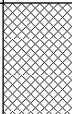
Client:
Interstrand LTD

Project No:
8159

Ground Level:	15.00 mOD
Easting:	330896 m
Northing:	188659 m

WS02

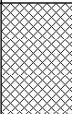
Driller:	SWGT
Logged by:	AB
Date logged:	30/06/2022

Depth	Sample		Test Details		TCR (%)	Water Depth	Casing Depth	Strata Details		Water	Depth		Backfill/Installations
	Type	Class	Type	Result				Description	Legend		Strikes/ Standing	Depth (Thickness)	
								Concrete Warehouse Floor Slab. (MADE GROUND).					
0.50	ES							Dense, grey mottled reddish brown, sandy GRAVEL. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded consisting of Limestone. (MADE GROUND - SUBBASE).			0.30 (0.15)	14.70	
0.70	D							Medium dense, brown, gravelly silty SAND with low cobble and boulder content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded consisting of			0.45 (0.40)	14.55	
0.90	ES							Mudstone. Mudstone and concrete cobbles and boulders are subangular to subrounded measuring up to 210mm. (MADE GROUND - PROBABLE REWORKED MERCIA MUDSTONE FORMATION).			0.85 (0.35)	14.15	
1.10	D		SPT	10 (2,2/2,2,3,3)				Medium dense, reddish brown, gravelly clayey SAND. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded consisting of Mudstone. (MADE GROUND - PROBABLE REWORKED MERCIA MUDSTONE FORMATION).			1.20	13.80	
1.40	D							Stiff, reddish brown, slightly gravelly silty CLAY. Gravel is fine to medium subrounded consisting of Mudstone. (GRADE E WEATHERED MERCIA MUDSTONE FORMATION).					
1.80	ES		SPT	21 (3,3/4,5,5,7)							(1.50)		
2.10	D										2		
			SPT	50 (12,18/50 for 135mm)				End of Borehole at 2.700m			2.70	12.30	
											3		

Progress & Standing Water Levels					Water Strikes							Chiselling			Hole Diameter		Casing Diameter	
Date	Time	Hole Depth	Casing Depth	Water Depth	Date	Time	Strike Depth	Casing Depth	Elapsed Minutes	Depth to Water	Depth Sealed	Depth Top	Depth Base	Duration	Hole Depth	Hole Diameter	Casing Diameter	Casing Depth
															2.70	70		

General Remarks	
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1. Coordinates and ground level obtained using handheld GPS on site.
2. Service plans inspected and borehole position scanned with CAT and Genny prior to breaking ground. Hand excavated inspection pit dug to 1.2m.
3. Borehole terminated at 2.7m due to refusal of windowless sampler.
4. 50mm Gas monitoring well installed with reponse zone between 2.0-0.5m.
5. Borehole backfilled with arisings, bentonite and gravel upon completion.

Earth Science Partnership							Project Name:		Drilling method		WS03			
Consulting Engineers Geologists Environmental Scientists							Factory Road		Equipment					
							Site Location:		Terrier Rig					
							Newport							
Start date: 30/06/2022			Driller: SWGT			Client:		Ground Level: 15.00 mOD						
End date: 30/06/2022			Logged by: AB			Interstrand LTD		Easting: 330887 m						
Backfill date: 30/06/2022			Date logged: 30/06/2022			Project No: 8159		Northing: 188632 m						
Depth	Sample		Test Details		TCR (%)	Water Depth	Casing Depth	Strata Details		Water	Depth		Backfill/Installations	
	Type	Class	Type	Result				Description	Legend		Strikes/Standing	Depth (Thickness)		mOD
0.50	ES							Concrete Warehouse Floor Slab. (MADE GROUND).			(0.30)			
								Dense, grey mottled reddish brown, sandy GRAVEL with low cobble content. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded consisting of Limestone. Limestone cobbles are subangular measuring up to 65mm. (MADE GROUND - SUBBASE).			0.30			14.70
								Stiff, reddish brown, gravelly silty CLAY. Gravel is fine to medium subrounded consisting of Mudstone. (GRADE E WEATHERED MERCIA MUDSTONE FORMATION).			(0.10)			14.60
0.70	D													
1.00	B													
1.40	ES		SPT	19 (3,3/4,4,6,5)										
1.80	D													
2.10	ES		SPT	28 (5,6/6,6,7,9)										
2.50	D													
			SPT	50 (7,9/50 for 275mm)										
								End of Borehole at 2.800m						

General Remarks

- Coordinates and ground level obtained using handheld GPS on site.
- Service plans inspected and borehole position scanned with CAT and Genny prior to breaking ground. Hand excavated inspection pit dug to 1.2m.
- Borehole terminated at 2.8m due to refusal of windowless sampler.
- 50mm Gas monitoring well installed with reponse zone between 2.0-0.5m.
- Borehole backfilled with arisings, bentonite and gravel upon completion.

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Factory Road

Site Location:

Newport

Client:

Interstrand LTD

Project No:

8159

Drilling method

Equipment

Terrier Rig

Ground Level:

15.00 mOD

Easting:

330901 m

Northing:

188639 m

Start date:

30/06/2022

End date:

30/06/2022

Backfill date:

30/06/2022

Driller:

SWGT

Logged by:

AB

Date logged:

30/06/2022

WS04

Depth	Sample		Test Details		TCR (%)	Water Depth	Casing Depth	Strata Details		Legend	Water Strikes/ Standing	Depth		Backfill/ Install- ations
	Type	Class	Type	Result				Description	Depth (Thickness)			mOD		
0.50	ES							Concrete Warehouse Floor Slab. (MADE GROUND).				(0.40)		
								Dense, grey mottled reddish brown, sandy GRAVEL. Sand is fine to coarse, gravel is fine to coarse subangular to subrounded consisting of Limestone. (MADE GROUND - SUBBASE). Stiff becoming soft, reddish brown, slightly gravelly silty CLAY. Gravel is fine to medium subrounded consisting of Mudstone. (GRADE E WEATHERED MERCIA MUDSTONE FORMATION).			0.40 (0.10) 0.50	14.60 14.50		
1.10	D		SPT	6 (1,1/1,2,1,2)										
1.40	ES													
2.10	D		SPT	8 (2,2/2,2,2,2)										
3.20	D		SPT	24 (3,3/5,6,6,7)				Firm, reddish brown, very gravelly sandy CLAY. Sand is fine to coarse, gravel is fine to coarse angular to subrounded consisting of Mudstone. (GRADE E WEATHERED MERCIA MUDSTONE FORMATION). End of Borehole at 2.900m				2.90 3 (1.00)	12.10	
			SPT	50 (6,6/50 for 275mm)								3.90	11.10	

Progress & Standing Water Levels					Water Strikes						Chiselling			Hole Diameter		Casing Diameter		
Date	Time	Hole Depth	Casing Depth	Water Depth	Date	Time	Strike Depth	Casing Depth	Elapsed Minutes	Depth to Water	Depth Sealed	Depth Top	Depth Base	Duration	Hole Depth	Hole Diameter	Casing Diameter	Casing Depth
															3.90	70		

General Remarks

1. Coordinates and ground level obtained using handheld GPS on site.

2. Service plans inspected and borehole position scanned with CAT and Genny prior to breaking ground. Hand excavated inspection pit dug to 1.2m.

3. Borehole terminated at 3.9m due to refusal of windowless sampler.

4. Borehole backfilled with arisings, bentonite and gravel upon completion.