

Preliminary Data Summary Sheets



Project reference: 23-795

Site location: Sovereign Business Park, Liverpool

Client: Adept

Site proposals: New Building and Service Yard, Modifications to Existing Car Park and Service Yard Extension

Attachments: Preliminary Borehole Record Sheets and Borehole Location Plan

Intrusive Investigation Works:

The intrusive works undertaken included the following:

- 15 no. windowless sampling boreholes (WS01 – WS15)
- 5 no. manually excavated foundation pits (TP01 – TP05)

Ground Conditions:

New Building and Service Yard (WS01-WS02, & WS11-WS13):

Grass overlying dark brown sandy clayey topsoil was recorded in WS01 & WS02 to depths of c.0.40m below current ground levels (bcgl) and asphalt was recorded in WS11-WS13 to depths of c.0.10m below current ground level (bcgl).

Made ground is recorded in all the boreholes comprising brick and concrete rubble, sandy gravelly subbase and gravelly clay with bricks to depths of between c.1.20m-c.2.30m bcgl.

Below the made ground deposits, the natural superficial deposits comprised firm becoming stiff medium brown / reddish brown sandy clay / sandy gravelly clay with occasional sand lenses recorded to depths of between c.1.20m and c.5.32m.

The solid geological deposits were encountered only in WS02 at a depth of c.4.0m bcgl and comprised very weak weathered grey mudstone. The borehole was terminated within the weathered mudstone.

Foundation Options for New Building:

When considering the foundation options available for the proposed building and service yard, it is felt that traditional strip & pad foundations should be acceptable, taken down through the topsoil and made ground materials and based wholly within the natural firm clays, at a minimum depth of c.1.00m below finished ground levels, where a maximum allowable bearing pressure of 100kN/m² is available. This could result in foundation depths of up to c.2.40m bcgl (WS11).

Internal Slab / Ground Conditions:

The existing concrete slab within units A, B & D (WS03-WS10) ranges from 0.10m up to 0.20m in thickness, with reinforcement (between c.6mm up to c.10mm) at a depth of c.40mm to c.130mm from top of the slab.

Directly, below the concrete slab, an initial layer of predominantly medium dense to dense / very dense subbase was encountered and comprised of reddish brown very gravelly slightly clayey sand, tarmac, concrete, rubble, greyish limestone, black sandy gravel up to depths of between 0.43m and c.2.10m bcgl.

Internal Slab / Ground Conditions (Cont'd):

WS05, WS08 & WS10 were terminated at shallow depths between c.0.43m (WS08) & c.1.05m (WS05) on very well compacted very dense subbase comprising of greyish limestone gravel with reddish brown sandy gravel and concrete fragments.

Unit A: The underlying superficial deposits comprised firm becoming stiff sandy silty clay / sandy gravelly clay to depths of between c.3.70m and c.4.50m.

Unit B: The underlying superficial deposits comprised soft / firm to stiff sandy silty clay with sand lenses followed by medium dense saturated fine sand to depths of between c.5.45m and c.6.45m.

Unit C: Superficial deposits were only encountered in WS09 and comprised medium dense gravelly slightly clayey sand followed by stiff medium brown slightly silty sandy clay to depths of c.5.00m.

Compressive strength tests were undertaken on representative samples of the concrete cores and the test results will be reflected in the detailed ground investigation report.

Groundwater / Stability:

Groundwater ingress was noted within the boreholes at depths of between c.1.30m and c.2.10m during the investigation works. Therefore, shallow water ingress is likely to occur within construction related excavations and therefore it would be prudent to allow for the introduction of suitable groundwater control measures, in order to take care of ingresses of groundwater, especially during the wetter periods of the year.

General Comments:

Laboratory (geotechnical and contamination) screening is currently underway on samples recovered from the investigation works, and once we are in receipt of these results, we will be in a position to issue the final report.

In addition, insitu gas and groundwater monitoring wells have been installed within a series of boreholes so that a programme of monitoring can be carried out with the results to be incorporated within the final report.



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The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.
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LEGEND



WINDOWLESS SAMPLING
BOREHOLE LOCATION



MANUALLY EXCAVATED
TRIAL PIT POSITION

rev.	date	amendments	drawn	chckd

Client:

ADEPT CSCE

Project Title:

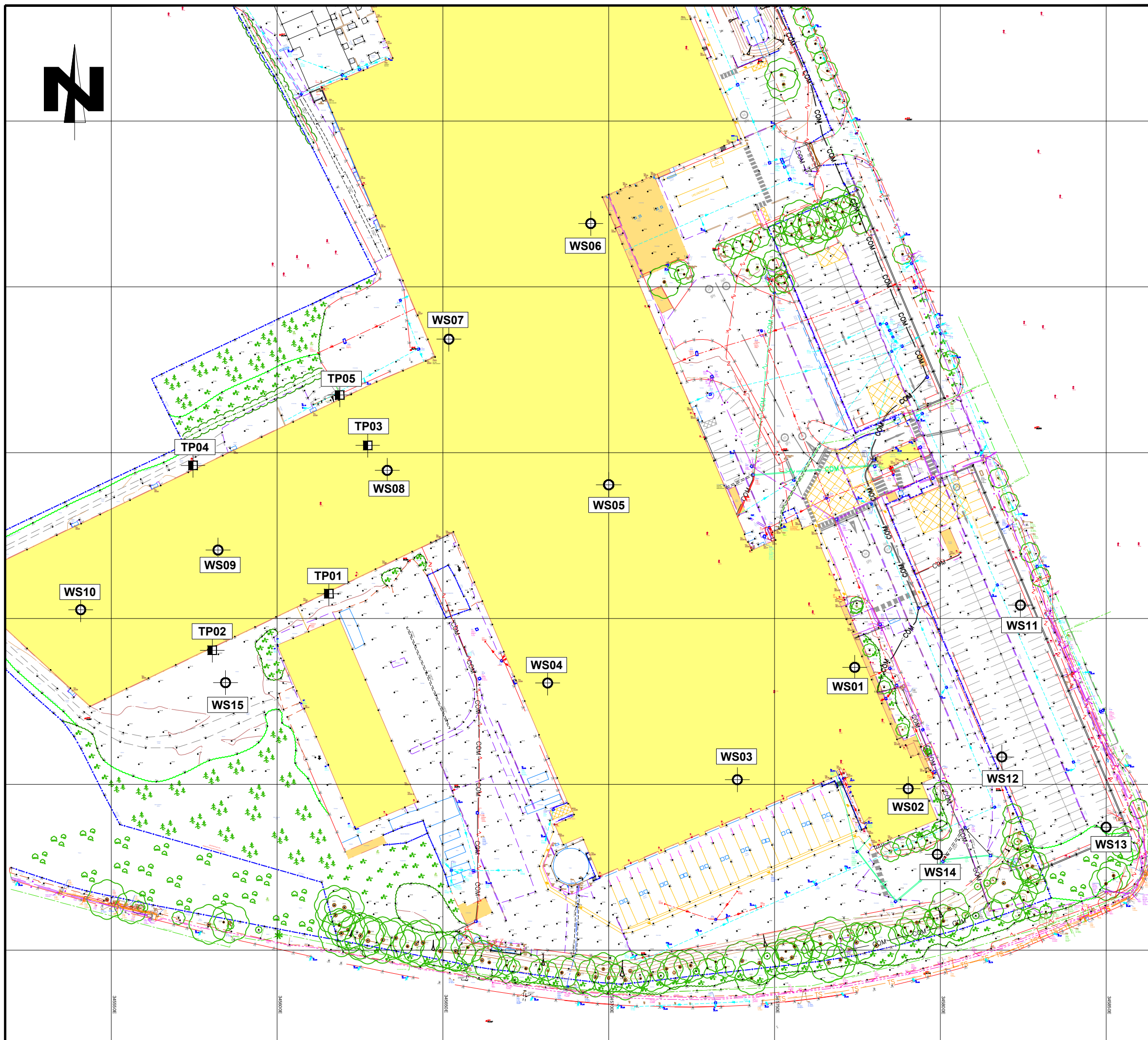
Halewood Wines & Spirits
The Sovereign Distillery, Wilson Road, Huyton
Merseyside, L36 6AD

Drawing Title:

Exploratory Hole Location Plan

Scale at A3:	Date:	Drawn by:	Approved by:
NTS @ A3	10.11.23	P.D	S.T

Job Ref:	Drg no:	Rev:
23-795	—	—

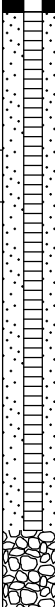
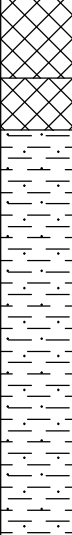




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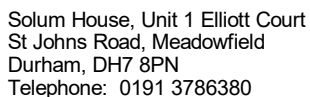
BOREHOLE LOG

Project Sovereign Business Park, Huyton				BOREHOLE No WS01	
Job No 23-795	Date 02-10-23 02-10-23	Ground Level (m)	Co-Ordinates ()		
Contractor Arc Environmental Ltd				Sheet 1 of 1	

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
0.20-0.40	J/D	N=11				(0.40) 0.40	Grass overkyng dark brown toposil (MADE GROUND)		
0.40-0.60	J/D					0.60	Brick rubble (MADE GROUND)		
0.80-1.00	J/D					(1.20)	Dark grey clay with mudstone and bricks (MADE GROUND)		
1.00-1.45	SPT								
1.20-1.40	J/D	N=6				1.80	Grey silty claybound gravel possible made ground (MADE GROUND)		
1.80-2.00	B					2.10			
2.00-2.45	SPT			45kN/m2		(3.22)	Firm becoming stiff to very stiff light to medium brown sandy CLAY with ocassional sand lenses.		
2.60-2.80	B								
3.00	HSV								
3.40-3.60	B								
4.00	HSV	48kN/m2							
4.60-4.80	B								
5.00-5.32	SPT		62 Blows		5.32				

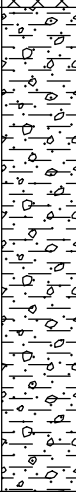
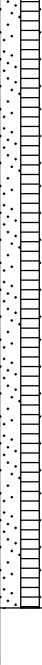
Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											WATER: Stuck water at c.2.10m.
All dimensions in metres Scale 1:43.75			Client Adept Consulting			Method/ Plant Used Windowless sampling rig			Logged By ST		

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BOREHOLE LOG

Project Sovereign Business Park, Huyton				BOREHOLE No WS02
Job No 23-795	Date 02-10-23 02-10-23	Ground Level (m)	Co-Ordinates ()	
Contractor Arc Environmental Ltd				Sheet 1 of 1

SAMPLES & TESTS			Water	STRATA			Geology	Instrument/ Backfill	
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick- ness)			DESCRIPTION
0.20-0.40	J/D	N=6				(0.40) 0.40	Grass overlying dark brown toposil (MADE GROUND)		
0.60-0.80	J/D					(0.80)	Dark grey clay with mudstone and bricks (MADE GROUND)		
1.00-1.45	SPT					1.20			
1.50-1.70	B	90kN/m2			(2.80)	Firm becoming stiff medium reddish brown sandy gravelly CLAY with excessive cobbles.			
2.00	HSV								
2.60-2.80	B								
3.00	HSV							88kN/m2	
3.40-3.60	B								
4.00	HSV	80kN/m2			(0.99) 4.99	Weak weathered grey MUDSTONE			
4.40-4.60	B								

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Dia. mm	Water Dpt	From	To	Hours	From	To	
											WATER: Borehole remained dry and stable during exploratory period.

All dimensions in metres Scale 1:43.75	Client Adept Consulting	Method/ Plant Used Windowless sampling rig	Logged By ST
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BOREHOLE LOG

Project Sovereign Business Park, Huyton				BOREHOLE No WS03	
Job No 23-795	Date 02-10-23 02-10-23	Ground Level (m)	Co-Ordinates ()		
Contractor Arc Environmental Ltd				Sheet 1 of 1	

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill	
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick- ness)	DESCRIPTION			
0.10-0.20	J/D	N=28				0.10	Concrete: Reinforced with a 6mm rebar at c.40mm from top of the slab (MADE GROUND)			
							0.20			
							0.45	Subbase comprised of compacted reddish brown very gravelly slightly clayey sand (MADE GROUND)		
0.50-0.95	SPT						(0.35)	Tarmac appears to be as poor quality (MADE GROUND)		
0.60-0.80	J/D					0.80	Subbase comprised of greyish limestone (MADE GROUND)			
0.80-1.00	J/D	N=16					Black and reddish brown brick and concrete rubble fill (MADE GROUND).			
1.00-1.45	SPT					(1.00)				
1.40-1.60	J/D						1.80			
1.80-2.00	J/D							Firm dark brown to black slightly organic slightly sandy CLAY.		
2.00-2.45	SPT	N=13								
2.40-2.60	B					(1.20)				
							3.00			
3.00-3.45	SPT	N=8						Firm medium brown sandy slightly silty CLAY.		
3.50-3.70	B					(0.70)				
							3.70			
3.80-4.00	B	65 Blows						Weak weathered grey MUDSTONE		
4.00-4.38	SPT					(0.68)				
					4.38					

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS	
Date	Time	Depth	Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To		
WATER: Borehole remained dry and stable during exploratory period.												
All dimensions in metres Scale 1:43.75			Client Adept Consulting				Method/ Plant Used Windowless sampling rig				Logged By ST	

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BOREHOLE LOG

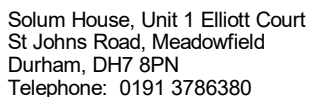
Project Sovereign Business Park, Huyton				BOREHOLE No WS04	
Job No 23-795	Date 02-10-23 02-10-23	Ground Level (m)	Co-Ordinates ()		
Contractor Arc Environmental Ltd				Sheet 1 of 1	

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION		
0.40-0.60	J/D	N=29				0.10	Concrete: Reinforced with a 6mm rebar at c.40mm from top of the slab (MADE GROUND)		
0.50-0.95	SPT					0.20			
						0.40	Subbase comprised of compacted reddish brown very gravelly slightly clayey sand (MADE GROUND)		
						0.70	Tarmac appears to be as poor quality (MADE GROUND)		
0.80-1.00	J/D						Subbase comprised of greyish limestone (MADE GROUND)		
1.00-1.45	SPT	N=14					Black and reddish brown brick and concrete rubble fill (MADE GROUND).		
1.40-1.60	J/D					(1.10)			
						1.80			
1.80-2.00	J/D					2.00	Dark grey very sandy clay appears to be as made ground (MADE GROUND??)		
2.00-2.45	SPT	N=8					Firm to stiff light to medium brown sandy slightly silty gravelly CLAY with occasional sand lenses.		
2.40-2.60	B								
3.00	HSV	56kN/m2				(2.50)			
3.60-3.80	B								
4.00	HSV	50kN/m2							
4.30-4.50	B					4.50			
4.60-4.80	B					(0.49)	Weak weathered grey MUDSTONE		
4.80-4.99	SPT	73 Blows				4.99			

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											WATER: Stuck water at c.3.00m.

All dimensions in metres Scale 1:43.75	Client Adept Consulting	Method/ Plant Used Windowless sampling rig	Logged By ST
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BOREHOLE LOG

Project Sovereign Business Park, Huyton				BOREHOLE No WS05
Job No 23-795	Date 03-10-23 03-10-23	Ground Level (m)	Co-Ordinates ()	
Contractor Arc Environmental Ltd				Sheet 1 of 1

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Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Dia. mm	Water Dpt	From	To	Hours	From	To	
											WATER: Borehole remained dry and stable during exploratory period.

All dimensions in metres Scale 1:43.75	Client Adept Consulting	Method/ Plant Used Windowless sampling rig	Logged By ST
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BOREHOLE LOG

Project Sovereign Business Park, Huyton				BOREHOLE No WS06	
Job No 23-795	Date 03-10-23 03-10-23	Ground Level (m)	Co-Ordinates ()		
Contractor Arc Environmental Ltd				Sheet 1 of 1	

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION		
0.40-0.60	J/D	N=5				0.18	Concrete: Reinforced with a 8mm rebar at c.110mm from top of the slab with a membrane noted at the base of the concrete slab (MADE GROUND)		
0.40-0.85	SPT					0.40			
0.80-1.00	B					0.60			
1.00-1.45	SPT	N=3				(1.40)	Concrete appears to be as poor quality (MADE GROUND) Subbase comprised of black sandy gravel (MADE GROUND) Soft light brown sandy silty CLAY with sand lenses.		
1.40-1.60	B					2.00			
2.00-2.45	SPT	N=5					Very loose becoming medium dense at c.6.00m light brown saturated fine SAND		
2.60-2.80	B								
3.00-3.45	SPT	N=2							
3.40-3.60	B								
4.00-4.45	SPT	N=2				(4.45)			
4.60-4.80	B								
5.00-5.45	SPT	N=0							
5.80-6.00	B								
6.00-6.45	SPT	N=14				6.45			

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Dia. mm	Water Dpt	From	To	Hours	From	To	
											WATER: Stuck water at c.2.00m.
All dimensions in metres Scale 1:43.75		Client Adept Consulting				Method/ Plant Used Windowless sampling rig					Logged By ST

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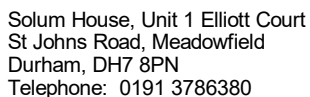
BOREHOLE LOG

Project Sovereign Business Park, Huyton				BOREHOLE No WS07	
Job No 23-795	Date 03-10-23 03-10-23	Ground Level (m)	Co-Ordinates ()		
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SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
0.20-0.65	SPT	N=9				0.20	Concrete: Reinforced with a 10mm rebar at c.130mm from top of the slab with a membrane noted at the base of the concrete slab (MADE GROUND)		
0.40-0.60	J/D					(0.60)	Subbase comprised of reddish brown slightly clayey sandy gravel (MADE GROUND)		
0.80-1.00	B					0.80			
1.00	HSV	82kN/m2					Firm to stiff light brown sandy slightly silty CLAY with occasional sand lenses.		
1.40-1.60	B								
2.00	HSV	70kN/m2				(3.20)			
2.60-2.80	B								
3.00	HSV	70kN/m2				4.00			
3.60-3.80	B								
4.00	HSV	40kN/m2					Medium dense to dense light brown saturated fine SAND.		
4.00-4.45	SPT	N=13				(1.45)			
4.40-4.60	B								
5.00-5.45	SPT	N=24				5.45			
5.80-6.00	B								

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Dia. mm	Water Dpt	From	To	Hours	From	To	
											WATER: Stuck water at c.2.20m.
All dimensions in metres Scale 1:43.75			Client Adept Consulting			Method/ Plant Used Windowless sampling rig			Logged By ST		

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BOREHOLE LOG

Project Sovereign Business Park, Huyton				BOREHOLE No WS08
Job No 23-795	Date 03-10-23 03-10-23	Ground Level (m)	Co-Ordinates ()	
Contractor Arc Environmental Ltd				Sheet 1 of 1

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Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS	
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To		
												WATER: Borehole remained dry and stable during exploratory period.
All dimensions in metres Scale 1:43.75		Client Adept Consulting				Method/ Plant Used Windowless sampling rig					Logged By ST	

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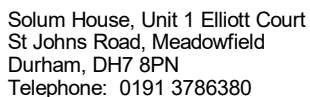
BOREHOLE LOG

Project Sovereign Business Park, Huyton				BOREHOLE No WS09	
Job No 23-795	Date 03-10-23 03-10-23	Ground Level (m)	Co-Ordinates ()		
Contractor Arc Environmental Ltd				Sheet 1 of 1	

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION		
0.00-0.20	C					0.20	Concrete: Reinforced with a 10mm rebar at c.120mm from top of the slab with a membrane noted at the base of the concrete slab (MADE GROUND)		
0.20-0.40	J/D					0.40			
0.20-0.38	SPT	75 Blows				(0.60)	Subbase comprised of reddish brown slightly clayey sandy gravel and concrete fragments (MADE GROUND)		
0.40-0.44	SPT	75 Blows				1.00	Dark brown sandy gravel with brick and concrete fragments (MADE GROUND)		
0.70-0.90	J/D					(0.80)			
0.70-1.15	SPT	N=13				1.80	Loose black to dark brown grey clay with bricks and mudstone fragments (MADE GROUND)		
1.00-1.45	SPT	N=11				2.10			
1.40-1.60	J/D						Loose dark greyish reworked mudstone (MADE GROUND)		
1.80-2.00	B								
2.00-2.45	SPT	N=16					Medium dense fine to medium grained greyish slightly clayey SAND		
2.20-2.40	B								
2.80-3.00	B					(1.70)			
3.00	HSV	54kN/m2				3.80			
3.40-3.60	B								
3.80-4.00	B					(1.20)	Stiff medium brown slightly silty sandy CLAY		
4.00	HSV	52kN/m2				5.00			
4.60-4.80	B								

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											WATER: Stuck water at c.2.40m.
All dimensions in metres Scale 1:43.75			Client Adept Consulting			Method/ Plant Used Windowless sampling rig			Logged By ST		

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BOREHOLE LOG

Project Sovereign Business Park, Huyton				BOREHOLE No WS10
Job No 23-795	Date 03-10-23 03-10-23	Ground Level (m)	Co-Ordinates ()	
Contractor Arc Environmental Ltd				Sheet 1 of 1

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Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS	
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To		
											WATER: Borehole remained dry and stable during exploratory period.	
All dimensions in metres Scale 1:43.75		Client Adept Consulting				Method/ Plant Used Windowless sampling rig					Logged By ST	

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BOREHOLE LOG

Project Sovereign Business Park, Huyton				BOREHOLE No WS11	
Job No 23-795	Date 03-10-23 03-10-23	Ground Level (m)	Co-Ordinates ()		
Contractor Arc Environmental Ltd				Sheet 1 of 1	

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION		
0.00-0.20	C					0.10	Tarmac (MADE GROUND)		
0.20-0.40	J/D					(0.60)	Subbase comprised of sandy gravel (MADE GROUND)		
0.70-0.90	J/D					0.70			
1.00-1.45	SPT	N=21					Medium dense brick and concrete rubble fill (MADE GROUND)		
1.40-1.60	J/D					(1.60)			
2.00-2.45	SPT	N=13				2.30			
3.00	HSV	80kN/m2				(2.70)	Stiff becoming very stiff medium brown sandy CLAY with sand lenses.		
4.00	HSV	70kN/m2				5.00			
5.00	HSV	66kN/m2							

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Dia. mm	Water Dpt	From	To	Hours	From	To	
											WATER: Stuck water at c.2.00m.

All dimensions in metres Scale 1:43.75	Client Adept Consulting	Method/ Plant Used Windowless sampling rig	Logged By ST
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BOREHOLE LOG

Project Sovereign Business Park, Huyton				BOREHOLE No WS12	
Job No 23-795	Date 03-10-23 03-10-23	Ground Level (m)	Co-Ordinates ()		
Contractor Arc Environmental Ltd				Sheet 1 of 1	

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION		
0.40-0.60	J/D	N=20				0.10 (0.60) 0.70	Tarmac (MADE GROUND) Subbase comprised of sandy gravel (MADE GROUND)		
1.00-1.20	J/D					(0.60)	Medium dense brick and concrete rubble fill (MADE GROUND)		
1.00-1.45	SPT					1.30	Dark brown becoming black sandy clay appears to be as reworked (POSSIBLE MADE GROUND??)		
1.40-1.60	J/D					(0.40) 1.70	Firm to stiff medium brown sandy CLAY with sand lenses.		
1.80-2.00	B	104kN/m2							
2.00	HSV								
2.40-2.60	B								
3.00	HSV					(3.30)			
3.60-3.80	B	78kN/m2							
4.00	HSV								
4.40-4.60	B								
5.00	HSV					5.00			

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											WATER: Damp at c.1.30m.
All dimensions in metres Scale 1:43.75			Client Adept Consulting			Method/ Plant Used Windowless sampling rig			Logged By ST		

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Durham, DH7 8PN
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BOREHOLE LOG

Project Sovereign Business Park, Huyton				BOREHOLE No WS13	
Job No 23-795	Date 03-10-23 03-10-23	Ground Level (m)	Co-Ordinates ()		
Contractor Arc Environmental Ltd				Sheet 1 of 1	

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION		
0.20-0.40	J/D	N=21				0.10 (0.50) 0.60	Tarmac (MADE GROUND) Subbase comprised of sandy gravel (MADE GROUND)		
0.80-1.00	J/D					(0.70)	Medium dense brick and concrete rubble (MADE GROUND)		
1.00-1.45	SPT					1.30			
1.10-1.30	J/D					1.50	Dark brown becoming black sandy clay appears to be as reworked (POSSIBLE MADE GROUND??)		
1.30-1.50	J/D						Stiff medium brown sandy CLAY with sand lenses.		
1.60-1.80	B								
2.00	HSV	100kN/m2							
2.40-2.60	B								
3.00	HSV	82kN/m2				(3.50)			
3.60-3.80	B								
4.00	HSV	70kN/m2							
4.40-4.60	B								
5.00	HSV	70kN/m2				5.00			

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Dia. mm	Water Dpt	From	To	Hours	From	To	
											WATER: Damp at c.1.30m and c.2.00m.
All dimensions in metres Scale 1:43.75			Client Adept Consulting			Method/ Plant Used Windowless sampling rig			Logged By ST		

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BOREHOLE LOG

Project Sovereign Business Park, Huyton				BOREHOLE No WS14	
Job No 23-795	Date 03-10-23 03-10-23	Ground Level (m)	Co-Ordinates ()		
Contractor Arc Environmental Ltd				Sheet 1 of 1	

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION		
0.10-0.55	SPT	N=35				0.10	Tarmac (MADE GROUND)		
0.20-0.40	J/D					0.40	Medium dense subbase comprised of sand with light brown limestone gravel (MADE GROUND)		
0.40-0.60	J/D					0.60	Medium dense medium brown sandy gravelly clay with bricks.(MADE GROUND)		
0.80-1.00	B						Stiff medium brown sandy gravelly CLAY.		
1.00-1.45	SPT	N=19				(1.40)			
1.40-1.60	B								
2.00	HSV	62kN/m2				2.00			

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Dia. mm	Water Dpt	From	To	Hours	From	To	
											WATER: Borehole remained dry and stable during exploratory period.
All dimensions in metres Scale 1:43.75			Client Adept Consulting			Method/ Plant Used Windowless sampling rig			Logged By ST		

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BOREHOLE LOG

Project Sovereign Business Park, Huyton				BOREHOLE No WS15	
Job No 23-795	Date 03-10-23 03-10-23	Ground Level (m)	Co-Ordinates ()		
Contractor Arc Environmental Ltd				Sheet 1 of 1	

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION		
0.10-0.35	SPT	75 Blows				0.10	Grass overlying a gravelly topsoil (MADE GROUND)		
0.20-0.40	J/D					(0.70)	Very dense subbase comprised of brick, concrete (MADE GROUND)		
0.40-0.55	SPT	82 Blows				0.80			
0.80-1.00	J/D					(0.40)	Grey gravelly shaley clayey (MADE GROUND)		
1.00-1.45	SPT	N=15				1.20			
1.40-1.60	D/B					(1.00)	Medium dense brick and concrete rubble (MADE GROUND)		
2.00-2.45	SPT	N=9				2.20			
2.40-2.60	B					(0.80)	Stiff medium brown sandy CLAY with sand lenses.		
3.00	HSV	62kN/m2				3.00			

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Dia. mm	Water Dpt	From	To	Hours	From	To	
											WATER: Stuck water at c.1.20m.
All dimensions in metres Scale 1:43.75			Client Adept Consulting			Method/ Plant Used Windowless sampling rig			Logged By ST		

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