

Site Plan Provided by Client

deltasimons
Environment - Health & Safety - Sustainability

TITLE:
High Wall Buffer Plan
Wood Walk, Barnsley

DRAWN BY: MS	SCALE (@A4): 1:1250	PROJECT NO: 16-0406.03	
CHECKED BY: BB	REVISION: -	FIGURE NO: 10	
DATE: 10 December 2020			

Appendix A – Limitations

Limitations

The recommendations contained in this Report represent Delta-Simons professional opinions, based upon the information listed in the Report, exercising the duty of care required of an experienced Environmental Consultant. Delta-Simons does not warrant or guarantee that the Site is free of hazardous or potentially hazardous materials or conditions.

Due to the evolving regulatory climate specific to Per Fluoro Alkyl Substances (PFAS), the scope of works is not intended to be conclusive as it relates to the identification of any PFAS related issues. While Delta-Simons may advise its Client if Delta-Simons becomes aware of the use of PFAS at the subject property, Delta-Simons makes no representation nor accepts any liability that any or all PFAS issues have been identified and/or revealed to its client through its scope of work, as presented herein.

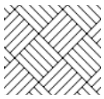
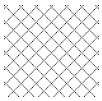
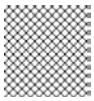
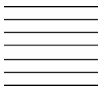
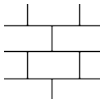
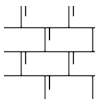
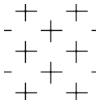
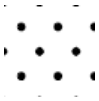
Delta-Simons obtained, reviewed, and evaluated information in preparing this Report from the Client and others. Delta-Simons conclusions, opinions and recommendations has been determined using this information. Delta-Simons does not warrant the accuracy of the information provided to it and will not be responsible for any opinions which Delta-Simons has expressed, or conclusions which it has reached in reliance upon information which is subsequently proven to be inaccurate.

This Report was prepared by Delta-Simons for the sole and exclusive use of the Client and for the specific purpose for which Delta-Simons was instructed. Nothing contained in this Report shall be construed to give any rights or benefits to anyone other than the Client and Delta-Simons, and all duties and responsibilities undertaken are for the sole and exclusive benefit of the Client and not for the benefit of any other party. In particular, Delta-Simons does not intend, without its written consent, for this Report to be disseminated to anyone other than the Client or to be used or relied upon by anyone other than the Client. Use of the Report by any other person is unauthorised and such use is at the sole risk of the user. Anyone using or relying upon this Report, other than the Client, agrees by virtue of its use to indemnify and hold harmless Delta-Simons from and against all claims, losses and damages (of whatsoever nature and howsoever or whensoever arising), arising out of or resulting from the performance of the work by the Consultant.

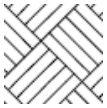
Appendix B – Exploratory Hole Logs

KEY TO BOREHOLE AND TRIAL PIT LOGS

MATERIAL LEGENDS

	Topsoil		Made Ground		Bituminous Material
	Concrete		Clay		Silt
	Sand		Gravel		Peat
	Cobbles		Boulders		Mudstone
	Siltstone		Sandstone		Limestone
	Chalk		Coal		Breccia
	Conglomerate		Igneous		Metamorphic
	Pyroclastic (volcanic ash)		Gypsum		Shale
	Ironstone		Bedrock (Unidentified)		Void

INSTALLATION/BACKFILL LEGENDS

	Sand		Gravel		Bentonite/Grout
	Arisings		Concrete		Plain Pipe
	Slotted Pipe				

Legend symbols in general accordance with BS 5930:1999+A2:2010 and standard industry practice.

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KEY TO BOREHOLE AND TRIAL PIT LOGS

SAMPLE TYPES

ACM	Asbestos Containing Material Sample
B	Bulk Disturbed Sample
BLK	Block Sample
C	Core Sample
CBR	Undisturbed Sample for California Bearing Ratio Test – 154mm diameter
D	Disturbed Sample - Tub
ES	Soil Sample for Environmental Testing
EW	Water Sample for Environmental Testing
G	Gas Sample
U	Undisturbed Driven Tube Sample – 70/102mm diameter, 450mm long
W	Water Sample

TEST TYPES

CPT	Cone Penetrometer Test (kN/m^2)
FID	Flame Ionisation Detector Test (ppm)
HV	In-Situ Hand Shear Vane Test (kN/m^2)
PID	Photoionisation Detector Test (ppm)
SPT (S)	Standard Penetration Test – Split Spoon Sampler
SPT (C)	Standard Penetration Test – Solid 60 Degree Cone

CORE DETAILS

If	Fracture Spacing (mm) – Minimum, Average, Maximum
NI	Non-Intact where >25 fracture spacings per metre
TCR	Total Core Recovery (%)
SCR	Solid Core Recovery (%)
RQD	Rock Quality Designation (%)
AF	Air Flush Return (%)
WF	Water Flush Return (%)

WATER COLUMN DETAILS

	Water Strike
	Water Level

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Project No:	Hole ID:	Page:
16-0406.02	TP101	1 of 1

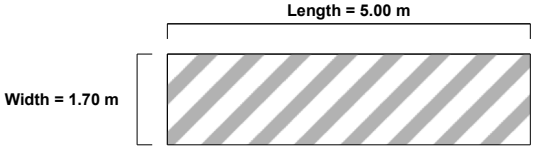
Project: **Wood Walk, Barnsley**

Trial Pit Log

Date: **23/03/2020** | Client: **Yelcon Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type Ref	Test Details: Depth (m)	Test Details: Results
TOPSOIL: Very soft to soft dark brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of sandstone and mudstone with rare red brick fragments, glass and china.		0.35	136.37		0.35 - 0.60	B 1		
MADE GROUND: Orangish brown very clayey very sandy angular to subangular fine to coarse GRAVEL of sandstone, mudstone and rare red brick fragments. Sand is fine to coarse.		0.75	135.97		0.75 - 1.00	D 1		
MADE GROUND: Soft to firm dark grey slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone and sandstone. Frequent angular to subangular cobbles and boulders of mudstone and sandstone. (SUSPECTED COLLIERY SPOIL)		1.35	135.37					
MADE GROUND: Dark grey varying to black slightly clayey very sandy angular to subangular GRAVEL of mudstone. Sand is fine to coarse. Frequent angular to subangular cobbles and boulders of mudstone. (SUSPECTED COLLIERY SPOIL)		2.05	134.67					
MADE GROUND: Dark grey varying to black very sandy very gravelly angular to subangular COBBLES of mudstone. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of mudstone. Frequent angular to subangular boulders of mudstone. (SUSPECTED COLLIERY SPOIL)		2.55	134.17					
MADE GROUND: Light grey varying to grey slightly clayey very sandy angular to subangular fine to coarse GRAVEL of mudstone and occasional siltstone. Sand is fine to coarse. Frequent angular to subangular cobbles and boulders of mudstone and siltstone. Frequent pockets of soft to firm dark grey slightly sandy gravelly clay. (SUSPECTED COLLIERY SPOIL)		4.80	131.92		2.60 - 3.50 2.60 - 3.50	B 2 2 D		
Trial pit complete at 4.80 m bgl.								

Dimensions and Orientation:



Orientation: **45°**

Inclination: **0**

Remarks:
1. Logged on-site by engineer in general accordance with BS 5930:2015. Soil consistency is based on finger test as defined by BS EN ISO 14688-1:2002.
2. Hole terminated at 4.8 m bgl, due to walls collapsing within suspected colliery spoil.
3. No groundwater was encountered during excavation.
4. No visual or olfactory evidence of contamination was encountered.
5. Backfilled with arisings.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E437257.64 N401742.48	136.72	Hather Plant Hire Ltd	Case CX1300	JK	RJS	MOH	1:30

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Project No: **16-0406.02** | Hole ID: **TP102** | Page: **1 of 1**

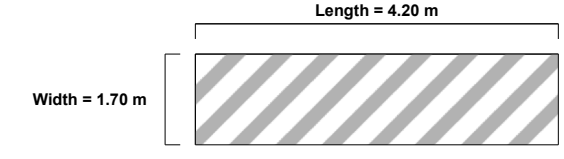
Project: **Wood Walk, Barnsley**

Trial Pit Log

Date: **24/03/2020** | Client: **Yelcon Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results
TOPSOIL: Very soft to soft dark brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of sandstone and mudstone with rare red brick fragments, glass and china.		0.30	136.93		0.10 - 0.30	D	1		
					0.10 - 0.30	ES	1		
MADE GROUND: Orangish brown very clayey very sandy angular to subrounded fine to coarse GRAVEL of sandstone, mudstone and rare red brick fragments. Sand is fine to coarse.		0.80	136.43						
MADE GROUND: Firm to stiff friable dark grey slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone. Frequent angular to subangular cobbles of mudstone. (SUSPECTED COLLIERY SPOIL)		1.20	136.03		0.90 - 1.10	B	1		
					0.90 - 1.10	D	2		
MADE GROUND: Dark grey varying to black very sandy angular to subangular fine to coarse GRAVEL of mudstone. Sand is fine to coarse. Frequent angular to subangular cobbles and boulders of mudstone. (SUSPECTED COLLIERY SPOIL)		1.70	135.53		0.90 - 1.10	ES	2		
MADE GROUND: Dark grey varying to black very sandy very gravelly angular to subangular COBBLES of mudstone. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of mudstone. Frequent angular to subangular boulders of mudstone. (SUSPECTED COLLIERY SPOIL)		2.40	134.83						
MADE GROUND: Firm to stiff grey varying to dark grey slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone. Frequent angular to subangular cobbles of mudstone. (SUSPECTED COLLIERY SPOIL)		2.85	134.38		2.45 - 2.60	B	2		
					2.45 - 2.60	D	3		
MADE GROUND: Grey mottled orange and black clayey very sandy angular to subangular fine to coarse GRAVEL of mudstone, sandstone and rare coal. Sand is fine to coarse. Frequent angular to subangular cobbles of mudstone and sandstone. (SUSPECTED COLLIERY SPOIL)		4.30	132.93		4.00 - 4.30	B	3		
					4.00 - 4.30	D	4		
Trial pit complete at 4.30 m bgl.									

Dimensions and Orientation:



Orientation: **0°**

Inclination: **0**

Remarks:
1. Logged on-site by engineer in general accordance with BS 5930:2015. Soil consistency is based on finger test as defined by BS EN ISO 14688-1:2002.
2. Hole terminated at 4.3 m bgl, due to walls collapsing within suspected colliery spoil.
3. No groundwater was encountered during excavation.
4. No visual or olfactory evidence of contamination was encountered.
5. Backfilled with arisings.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E437286.78 N401733.80	**137.23**	**Hather Plant Hire Ltd**	**Case CX1300**	**JK**	**RJS**	**MOH**	**1:30**

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Project No:	Hole ID:	Page:
16-0406.02	TP103	1 of 1

Project: **Wood Walk, Barnsley**

Trial Pit Log

Date: **25/03/2020**

Client: **Yelcon Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results
TOPSOIL: Very soft to soft dark brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of sandstone, mudstone and rare red brick fragments.		0.30	138.06		0.10 - 0.25	D	1		
					0.10 - 0.25	ES	1		
MADE GROUND: Orangish brown very clayey very sandy angular to subangular fine to coarse GRAVEL of sandstone and mudstone. Sand is fine to coarse. Occasional angular cobbles of sandstone.		0.80	137.56						
MADE GROUND: Firm to stiff locally laminated friable dark grey mottled black slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone. Frequent angular to subangular cobbles of mudstone. (SUSPECTED COLLIERY SPOIL)		1.20	137.16		0.80 - 1.10	B	1		
						B	2		
					0.80 - 1.10	D			
MADE GROUND: Dark grey varying to black clayey very sandy very gravelly angular to subangular COBBLES of mudstone. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone. Frequent angular to subangular boulders of mudstone (up to 55 cm in length). (SUSPECTED COLLIERY SPOIL)		2.50	135.86						
MADE GROUND: Dark grey varying to black very clayey very sandy angular to subangular fine to coarse GRAVEL of mudstone. Sand is fine to coarse. Frequent angular to subangular cobbles of mudstone. Occasional angular to subangular boulders of mudstone. (SUSPECTED COLLIERY SPOIL)		3.65	134.72		2.60 - 3.50	B	2		
						B	3		
					2.60 - 3.50	D			
MADE GROUND: Grey varying to dark grey clayey very sandy very gravelly angular to subangular COBBLES of mudstone. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone. (SUSPECTED COLLIERY SPOIL)		3.90	134.46						
Trial pit complete at 3.90 m bgl.									

Dimensions and Orientation:

Length = 4.10 m

Width = 1.50 m

Orientation: **0°**

Inclination: **0**

Remarks:
1. Logged on-site by engineer in general accordance with BS 5930:2015. Soil consistency is based on finger test as defined by BS EN ISO 14688-1:2002.
2. Hole terminated at 3.9 m bgl, due to walls collapsing within suspected colliery spoil.
3. No groundwater was encountered during excavation.
4. No visual or olfactory evidence of contamination was encountered.
5. Backfilled with arisings.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E437317.86 N401767.65	138.36	Hather Plant Hire Ltd	Case CX1300	JK	RJS	MOH	1:30

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Project No: **16-0406.02** | Hole ID: **TP104** | Page: **1 of 1**

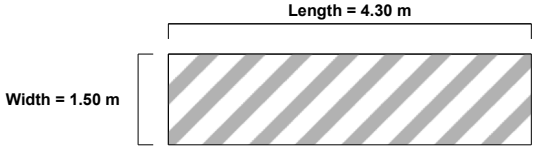
Project: **Wood Walk, Barnsley**

Trial Pit Log

Date: **25/03/2020** | Client: **Yelcon Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results
TOPSOIL: Very soft to soft dark brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of sandstone and mudstone with rare red brick fragments and china.		0.25	137.89		0.10 - 0.25	D	1		
MADE GROUND: Orangish brown very clayey very sandy angular to subrounded fine to coarse GRAVEL of sandstone and rare mudstone. Sand is fine to coarse. Occasional angular cobbles of mudstone.		0.50	137.64		0.10 - 0.25	ES	1		
MADE GROUND: Grey varying to dark grey very clayey very sandy angular to subangular fine to coarse GRAVEL of mudstone. Sand is fine to coarse. Occasional angular to subangular cobbles of mudstone. (SUSPECTED COLLIERY SPOIL)		1.00	137.14						
MADE GROUND: Grey varying to dark grey clayey very sandy very gravelly angular to subangular COBBLES of mudstone. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone. Frequent angular to subangular boulders of mudstone (up to 80 cm in length). (SUSPECTED COLLIERY SPOIL)		2.05	136.09	2.05 ▼	2.05 - 2.45	B	1		
MADE GROUND: Soft to firm friable grey varying to dark grey slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone. Frequent angular to subangular cobbles of mudstone. (SUSPECTED COLLIERY SPOIL)		2.60	135.54		2.05 - 2.45	D	2		
MADE GROUND: Light grey stained dark orange very sandy very gravelly angular to subangular COBBLES of sandstone and mudstone. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of sandstone and mudstone. Frequent angular to subangular boulders of sandstone and mudstone. (SUSPECTED COLLIERY SPOIL)		3.80	134.34		3.80 - 4.10	D	3		
MADE GROUND: Soft to firm dark grey slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone. Frequent angular cobbles of mudstone. (SUSPECTED COLLIERY SPOIL)		4.10	134.04						
Trial pit complete at 4.10 m bgl.									

Dimensions and Orientation:



Orientation: **90°**

Inclination: **0**

Remarks:
1. Logged on-site by engineer in general accordance with BS 5930:2015. Soil consistency is based on finger test as defined by BS EN ISO 14688-1:2002.
2. Hole terminated at 4.1 m bgl, due to walls collapsing within suspected colliery spoil.
3. Groundwater was encountered at 2.05 m bgl.
4. No visual or olfactory evidence of contamination was encountered.
5. Backfilled with arisings.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E437363.56 N401740.00	**138.14**	**Hather Plant Hire Ltd**	**Case CX1300**	**JK**	**RJS**	**MOH**	**1:30**

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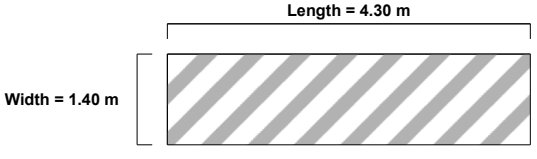
Project: **Wood Walk, Barnsley**

Trial Pit Log

Date: **25/03/2020** | Client: **Yelcon Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results
TOPSOIL: Very soft to soft dark brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of sandstone and mudstone with rare red brick fragments, glass and china.		0.30	137.47		0.30 - 0.80	B	1		
MADE GROUND: Orangish brown very clayey very sandy angular to subrounded fine to coarse GRAVEL of sandstone and rare mudstone. Sand is fine to coarse. Frequent angular cobbles of sandstone.		0.85	136.92		0.30 - 0.80	D	1		
					0.30 - 0.80	ES			
MADE GROUND: Soft to firm dark grey varying to grey slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone. Frequent angular to subangular cobbles of mudstone. (SUSPECTED COLLIERY SPOIL)		1.15	136.62		0.90 - 1.10	D	2		
MADE GROUND: Grey varying to dark grey clayey very sandy very gravelly angular to subangular COBBLES of mudstone. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone. Frequent angular to subangular boulders of mudstone (up to 50 cm in length). (SUSPECTED COLLIERY SPOIL)		2.15	135.62						
MADE GROUND: Dark grey varying to black very clayey very sandy angular to subangular fine to coarse GRAVEL of mudstone and occasional coal. Sand is fine to coarse. Frequent angular to subangular cobbles of mudstone. (SUSPECTED COLLIERY SPOIL)		2.90	134.87						
MADE GROUND: Grey varying to dark grey stained dark orange very sandy very gravelly angular to subangular COBBLES of sandstone and mudstone. Sand is fine to coarse. Gravel is angular to subangular of sandstone and mudstone. Frequent subangular boulders of mudstone and sandstone. (SUSPECTED COLLIERY SPOIL)		3.80	133.97						
Trial pit complete at 3.80 m bgl.									

Dimensions and Orientation:



Orientation: **0°**

Inclination: **0**

Remarks:
1. Logged on-site by engineer in general accordance with BS 5930:2015. Soil consistency is based on finger test as defined by BS EN ISO 14688-1:2002.
2. Hole terminated at 3.8 m bgl, due to difficult excavation of boulders from within suspected colliery spoil.
3. No groundwater was encountered during excavation.
4. No visual or olfactory evidence of contamination was encountered.
5. Backfilled with arisings.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E437396.45 N401768.34	137.77	Hather Plant Hire Ltd	Case CX1300	JK	RJS	MOH	1:30

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Project No:	Hole ID:	Page:
16-0406.02	TP106	1 of 1

Project: **Wood Walk, Barnsley**

Trial Pit Log

Date: **24/03/2020**

Client: **Yelcon Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results
TOPSOIL: Grass over dark brown slightly clayey gravelly fine to coarse SAND with occasional rootlets. Gravel is angular to rounded fine to coarse of sandstone, mudstone and rare red brick fragments.		0.20	133.07		0.05 - 0.15	D	1		
Orangish brown very clayey very gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of sandstone. (COMPLETELY WEATHERED WOOLLEY EDGE ROCK)		0.80	132.47		0.05 - 0.15	ES			
					0.30 - 0.60	D	2		
					0.30 - 0.60	ES			
Light orangish brown slightly clayey very sandy angular to subangular GRAVEL of sandstone. Sand is fine to coarse. Frequent angular to subangular cobbles and boulders of sandstone. (WEATHERED WOOLLEY EDGE ROCK)		1.65	131.62						
Very weak to weak thickly laminated varying to thinly bedded light grey fine to medium SANDSTONE. Recovered as: Light grey stained orangish brown very sandy very gravelly angular to subangular COBBLES of sandstone. Frequent angular to subangular boulders of sandstone. (WEATHERED WOOLLEY EDGE ROCK)		2.20	131.07						
Trial pit complete at 2.20 m bgl.									

Dimensions and Orientation:

Length = 4.00 m

Width = 1.40 m

Orientation: **0°**

Inclination: **0**

Remarks:
1. Logged on-site by engineer in general accordance with BS 5930:2015. Soil consistency is based on finger test as defined by BS EN ISO 14688-1:2002.
2. Hole terminated at 2.2 m bgl, due to excavator scraping on suspected Woolley Edge Rock.
3. No groundwater was encountered during excavation.
4. No visual or olfactory evidence of contamination was encountered.
5. Backfilled with arisings.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E437533.07 N401733.27	133.27	Hather Plant Hire Ltd	Case CX1300	JK	RJS	MOH	1:30

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Project: **Wood Walk, Barnsley**

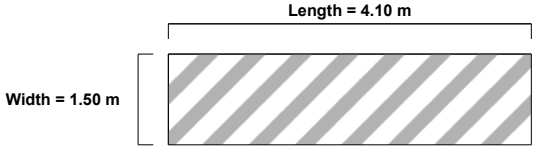
Trial Pit Log

Date: **24/03/2020**

Client: **Yelcon Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results
TOPSOIL: Dark brown very clayey gravelly fine to medium SAND. Gravel is angular to subrounded fine to coarse of sandstone, mudstone and rare red brick fragments.		0.30	136.74		0.10 - 0.25	D	1		
MADE GROUND: Dark orangish brown very clayey gravelly fine to medium SAND. Gravel is angular to subangular of sandstone.		0.50	136.54		0.10 - 0.25	ES	1		
(SUBSOIL) Light orangish brown varying to cream very clayey very gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of sandstone. (COMPLETELY WEATHERED WOOLLEY EDGE ROCK)		1.10	135.94						
Light orangish brown varying to grey slightly clayey very sandy angular to subangular fine to coarse GRAVEL of sandstone. Sand is fine to coarse. Frequent angular to subangular cobbles of sandstone. (WEATHERED WOOLLEY EDGE ROCK)		1.60	135.44		1.20 - 1.40	B	1		
					1.20 - 1.40	B	2		
					1.20 - 1.40	D			
Very weak to weak thickly laminated varying to thinly bedded light grey fine to medium SANDSTONE. Recovered as: Light grey very sandy very gravelly angular to subangular COBBLES of sandstone. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of sandstone. Occasional angular to subangular boulders of sandstone. (WEATHERED WOOLLEY EDGE ROCK)		2.35	134.69						
Trial pit complete at 2.35 m bgl.									

Dimensions and Orientation:



Orientation: **90°**

Inclination: **0**

Remarks:
1. Logged on-site by engineer in general accordance with BS 5930:2015. Soil consistency is based on finger test as defined by BS EN ISO 14688-1:2002.
2. Hole terminated at 2.35 m bgl, due to excavator scraping on suspected Woolley Edge Rock.
3. No groundwater was encountered during excavation.
4. No visual or olfactory evidence of contamination was encountered.
5. Backfilled with arisings.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E437462.52 N401704.40	137.04	Hather Plant Hire Ltd	Case CX1300	JK	RJS	MOH	1:30

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Project: **Wood Walk, Barnsley**

Trial Pit Log

Date: **24/03/2020**

Client: **Yelcon Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type Ref	Test Details: Depth (m)	Test Details: Results
TOPSOIL: Dark brown very clayey gravelly fine to medium SAND. Gravel is angular to subrounded fine to coarse of sandstone and mudstone.		0.25	138.15		0.25 - 0.35	D 1		
MADE GROUND: Dark orangish brown very clayey gravelly fine to medium SAND. Gravel is angular to subrounded fine to coarse of sandstone and mudstone. (SUBSOIL)		0.35	138.05					
Light brownish cream varying to light orangish brown clayey very gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of sandstone. (COMPLETELY WEATHERED WOOLLEY EDGE ROCK)		1.00	137.40					
Light grey stained orangish brown slightly clayey very sandy angular to subangular fine to coarse GRAVEL of sandstone. Sand is fine to coarse. Frequent angular to subangular cobbles and boulders of sandstone. (WEATHERED WOOLLEY EDGE ROCK)		1.35	137.05		1.35 - 1.60	D 2		
Very weak to weak thickly laminated varying to thinly bedded light grey fine to medium SANDSTONE. Recovered as: Light grey stained orange very sandy very gravelly angular to subangular COBBLES of sandstone. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of sandstone. Frequent angular to subangular boulders of sandstone. (WEATHERED WOOLLEY EDGE ROCK)		1.70	136.70					
Trial pit complete at 1.70 m bgl.								

Dimensions and Orientation:



Orientation: **90°**

Inclination: **0**

Remarks:
1. Logged on-site by engineer in general accordance with BS 5930:2015. Soil consistency is based on finger test as defined by BS EN ISO 14688-1:2002.
2. Hole terminated at 1.7 m bgl, due to excavator scraping on suspected Woolley Edge Rock.
3. No groundwater was encountered during excavation.
4. No visual or olfactory evidence of contamination was encountered.
5. Backfilled with arisings.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E437405.91 N401686.92	138.40	Hather Plant Hire Ltd	Case CX1300	JK	RJS	MOH	1:30

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Project: **Wood Walk, Barnsley**

Trial Pit Log

Date: **23/03/2020**

Client: **Yelcon Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results
TOPSOIL: Very soft to soft dark brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of sandstone and mudstone with rare red brick fragments and china.		0.25	135.63		0.10 - 0.25	D	1		
MADE GROUND: Very soft to soft brown sandy CLAY. Sand is fine to coarse. (SUBSOIL)		0.35	135.53		0.10 - 0.25	ES	2	0.35	HV=69 kPa
Firm to stiff medium strength orangish brown mottled grey, dark grey and orange sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone, siltstone and coal. (COMPLETELY WEATHERED PENNINE MIDDLE COAL MEASURES FORMATION)		0.70	135.18		0.35 - 0.50	D			
Firm to stiff high strength light bluish grey mottled orange, brown and black sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone, siltstone and coal. (COMPLETELY WEATHERED PENNINE MIDDLE COAL MEASURES FORMATION)		1.25	134.63		0.70 - 1.10	B	1 3	0.70	HV=108 kPa
Firm to stiff locally laminated friable dark bluish grey mottled orange and black slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone and siltstone. (COMPLETELY WEATHERED PENNINE MIDDLE COAL MEASURES FORMATION)		1.80	134.08		0.70 - 1.10	D			
Dark bluish grey clayey sandy angular to subangular fine to coarse GRAVEL of mudstone and siltstone. Sand is fine to coarse. Frequent angular to subangular cobbles and boulders of mudstone and siltstone. (WEATHERED PENNINE MIDDLE COAL MEASURES FORMATION)		2.50	133.38		1.40 - 1.70	D	4		
Very weak to weak thickly laminated dark bluish grey MUDSTONE. Recovered as: Dark bluish grey slightly clayey sandy angular to subangular fine to coarse GRAVEL of mudstone. Sand is fine to coarse. Frequent angular to subangular cobbles and boulders of mudstone. (WEATHERED PENNINE MIDDLE COAL MEASURES FORMATION)		2.60	133.28		2.10 - 2.50	B	2		
Trial pit complete at 2.60 m bgl.									

Dimensions and Orientation:



Orientation: **0°**

Inclination: **0**

Remarks:
1. Logged on-site by engineer in general accordance with BS 5930:2015. Soil consistency is based on finger test as defined by BS EN ISO 14688-1:2002. Where soil strengths are provided this is based upon undrained shear strength derived from in-situ or laboratory tests.
2. Hole terminated at 2.6 m bgl, due to excavator scraping on suspected Pennine Middle Coal Measures Formation.
3. No groundwater was encountered during excavation.
4. No visual or olfactory evidence of contamination was encountered.
5. Backfilled with arisings.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E437343.66 N401676.41	135.88	Hather Plant Hire Ltd	Komatsu PW 180	JK	RJS	MOH	1:30

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Project: **Wood Walk, Barnsley**

Trial Pit Log

Date: **23/03/2020** | Client: **Yelcon Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results
TOPSOIL: Very soft to soft friable dark brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of sandstone and mudstone with rare red brick fragments and china.		0.25	134.82		0.10 - 0.25	D	1		
					0.10 - 0.25	ES	1		
Firm to stiff light orangish brown mottled brownish cream and grey slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of sandstone and siltstone. (COMPLETELY WEATHERED PENNINE MIDDLE COAL MEASURES FORMATION)		0.55	134.52		0.55 - 0.75	B	1	0.55	HV=92 kPa
					0.55 - 0.75	D	2		
Firm to stiff high strength laminated light grey mottled brownish cream and orange slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of sandstone and siltstone. (COMPLETELY WEATHERED PENNINE MIDDLE COAL MEASURES FORMATION)		1.10	133.97						
Light grey mottled orange and brown slightly clayey very sandy angular to subangular GRAVEL of sandstone and siltstone. Sand is fine to coarse. Frequent angular to subangular cobbles and boulders of sandstone and siltstone (up to 50 cm in length). (WEATHERED PENNINE MIDDLE COAL MEASURES FORMATION)		1.35	133.72						
Very weak to weak thickly laminated varying to thinly bedded light grey fine to medium SANDSTONE. Recovered as: Light grey mottled orange and brown very sandy angular to subangular GRAVEL of sandstone. Sand is fine to coarse. Frequent angular to subangular cobbles and boulders of sandstone (up to 50 cm in length). (WEATHERED PENNINE MIDDLE COAL MEASURES FORMATION)		1.45	133.62						
Trial pit complete at 1.45 m bgl.									

Dimensions and Orientation:



Orientation: **90°**

Inclination: **0**

Remarks:
1. Logged on-site by engineer in general accordance with BS 5930:2015. Soil consistency is based on finger test as defined by BS EN ISO 14688-1:2002. Where soil strengths are provided this is based upon undrained shear strength derived from in-situ or laboratory tests.
2. Hole terminated at 1.45 m bgl, due to excavator scraping on suspected Pennine Middle Coal Measures Formation.
3. No groundwater was encountered during excavation.
4. No visual or olfactory evidence of contamination was encountered.
5. Backfilled with arisings.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E437284.71 N401643.27	135.07	Hather Plant Hire Ltd	Komatsu PW 180	JK	RJS	MOH	1:30

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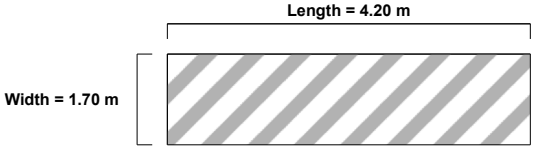
Project: **Wood Walk, Barnsley**

Trial Pit Log

Date: **23/03/2020** | Client: **Yelcon Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results
TOPSOIL: Very soft dark brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of sandstone, mudstone and rare red brick fragments.		0.15	134.82		0.05 - 0.15	D	1		
Firm to stiff high strength locally laminated light grey mottled light orangish brown and black sandy slightly gravelly CLAY with occasional relict rootlets. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone and sandstone. (COMPLETELY WEATHERED PENNINE MIDDLE COAL MEASURES FORMATION)					0.05 - 0.15	ES	2	0.30	HV=76 kPa
					0.30 - 0.70	D			
					1.00 - 1.20	D	3	1.00	HV=82 kPa
		1.25	133.72						
Firm to stiff locally friable grey mottled orange and black slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of mudstone and coal. (COMPLETELY WEATHERED PENNINE MIDDLE COAL MEASURES FORMATION)		1.65	133.32						
Black varying to dark grey clayey very sandy angular to subangular fine to coarse GRAVEL of weathered coal and mudstone. (COMPLETELY WEATHERED PENNINE MIDDLE COAL MEASURES FORMATION)		1.80	133.16		2.00 - 2.40	B	1 4		
Firm to very stiff friable slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular of mudstone and rare coal. (COMPLETELY WEATHERED PENNINE MIDDLE COAL MEASURES FORMATION)					2.00 - 2.40	D			
		2.65	132.32						
Light bluish grey mottled dark grey and black clayey very sandy angular to subangular fine to coarse GRAVEL of mudstone and rare coal. Frequent angular to subangular cobbles and boulders of mudstone. (WEATHERED PENNINE MIDDLE COAL MEASURES FORMATION)		2.70	132.26						
Very weak to weak thickly laminated light bluish grey MUDSTONE. Recovered as: Light bluish grey mottled dark grey and black clayey very sandy angular to subangular fine to coarse GRAVEL of mudstone and rare coal. Frequent angular to subangular cobbles and boulders of mudstone. (WEATHERED PENNINE MIDDLE COAL MEASURES FORMATION)		2.80	132.16						
Trial pit complete at 2.80 m bgl.									

Dimensions and Orientation:



Orientation: **0°**

Inclination: **0**

Remarks:
1. Logged on-site by engineer in general accordance with BS 5930:2015. Soil consistency is based on finger test as defined by BS EN ISO 14688-1:2002. Where soil strengths are provided this is based upon undrained shear strength derived from in-situ or laboratory tests.
2. Hole terminated at 2.8 m bgl, due to excavator scraping on suspected Pennine Middle Coal Measures Formation.
3. No groundwater was encountered during excavation.
4. No visual or olfactory evidence of contamination was encountered.
5. Backfilled with arisings.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E437226.54 N401662.71	134.96	Hather Plant Hire Ltd	Komatsu PW 180	JK	RJS	MOH	1:30