

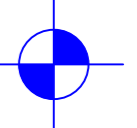

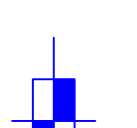


Appendix I

Site Investigation Plan



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1. Do not scale dimensions from this drawing in either paper or electronic format.
2. To be read in conjunction with all relevant Engineer's, Architect's and Other drawings and specifications.
3. All building products to be used in strict accordance with the manufacturer's recommendations.
4. Any discrepancies are to be reported to the Engineer immediately.
5. Main Contractor to provide a detailed method statement for all works prior to commencement on site.

-  = Windowless Sampler Borehole Location
-  = Cable Percussion Borehole Location
-  = Trial Pit Location
-  (G) = Proposed Gas Monitoring Well Location
-  = Observed locations of potential opencast highwalls

Issue	Date	Drawn/Description	Chk'd
02	10.02.23	YK Final Locations	TAW
01	10.11.22	TAW Proposed Locations	



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Client
 Barnsley Metropolitan Borough Council

Project
 Parkside Sports and Community Centre
 P22-01115

Title
 Site Investigation Location Plan

Drawn	TAW	Checked	Scale
Date	01.12.22	Date	NTS
Status	Final	Original Size	A3

Drawing No
 P22-01115-Met-RP-GE-001

Version
 2

Appendix II

Windowless Sampler Borehole Logs



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Windowless Sampler Borehole Log

Borehole No.

WS01

Sheet 1 of 1

Project Name:	Parkside Sports and Community Centre, Hoyland	Project No.	P22-01115	Co-ords:	435954E - 399774N	Hole Type	WS
Location:	Land between Sheffield Road and Stead Lane, Hoyland, Barnsley, S74 0AH			Level:		Scale	1:25
Client:	Barnsley Metropolitan Borough Council			Dates:	20/01/2023	Logged By	AG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.50		Grass overlying dark brown silty slightly sandy slightly gravelly CLAY (TOPSOIL). Sand is fine. Gravel is subangular to subrounded fine to medium of mudstone and sandstone.		
		1.00	SPT	50 (3,3/50 for 225mm)	1.00		REWORKED GROUND: Orangish brown mottled grey slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of sandstone. Occasional subangular cobbles of sandstone up to 70mm across noted.	1	
End of Borehole at 1.00m								1	
								2	
								3	
								4	
								5	

Remarks
 Borehole terminated due to SPT refusal on potential cobble/boulder.



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Windowless Sampler Borehole Log

Borehole No.

WS02

Sheet 1 of 1

Project Name:	Parkside Sports and Community Centre, Hoyland	Project No.:	P22-01115	Co-ords:	435942E - 399767N	Hole Type:	WS
Location:	Land between Sheffield Road and Stead Lane, Hoyland, Barnsley, S74 0AH	Level:				Scale:	1:25
Client:	Barnsley Metropolitan Borough Council	Dates:	20/01/2023			Logged By:	AG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.40		Grass overlying dark brown slightly sandy gravelly CLAY (TOPSOIL). Sand is fine. Gravel is subangular to subrounded fine to medium of sandstone and mudstone. Ground was observed to be frozen at the time of the site investigation.		
							REWORKED GROUND: Firm light brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of sandstone.		
		1.00	SPT	N=13 (3,3/2,3,4,4)	1.00			1	
		1.20	D				Firm brown slightly sandy gravelly CLAY. Sand is fine. Gravel is subangular to subrounded fine to medium of mudstone.		
		1.50	B						
		2.00	SPT	50 (10,15/50 for 225mm)	2.00		Very weak to weak destructured grey MUDSTONE/SILTSTONE recovered as gravel sized fragments. End of Borehole at 2.00m	2	
								3	
								4	
								5	

Remarks
 Borehole terminated due to SPT refusal on probable mudstone/siltstone bedrock.



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Windowless Sampler Borehole Log

Borehole No.

WS03

Sheet 1 of 1

Project Name:	Parkside Sports and Community Centre, Hoyland	Project No.	P22-01115	Co-ords:	435944E - 399783N	Hole Type	WS
Location:	Land between Sheffield Road and Stead Lane, Hoyland, Barnsley, S74 0AH			Level:		Scale	1:25
Client:	Barnsley Metropolitan Borough Council			Dates:	20/01/2023	Logged By	AG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.50		Grass overlying dark brown gravelly CLAY (TOPSOIL). Gravel is subangular to subrounded fine to coarse of sandstone and mudstone.		
					0.90		REWORKED GROUND: Firm light brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of sandstone.		
		1.00	SPT	50 (3,4/50 for 115mm)	1.10		OPENCAST FILL: Very weak to weak distinctly weathered mudstone recovered as gravel sized fragments.	1	
							End of Borehole at 1.10m		
								2	
								3	
								4	
								5	

Remarks
 Borehole terminated due to SPT refusal on mudstone cobble/boulder.



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Windowless Sampler Borehole Log

Borehole No.

WS04

Sheet 1 of 1

Project Name:	Parkside Sports and Community Centre, Hoyland	Project No.:	P22-01115	Co-ords:	435928E - 399798N	Hole Type:	WS
Location:	Land between Sheffield Road and Stead Lane, Hoyland, Barnsley, S74 0AH	Level:				Scale:	1:25
Client:	Barnsley Metropolitan Borough Council	Dates:	20/01/2023			Logged By:	AG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.20		Grass overlying dark brown slightly gravelly CLAY (TOPSOIL) with frequent rootlets. Gravel is subangular to subrounded fine to medium of sandstone and mudstone.		
		0.80	D		0.90		REWORKED GROUND: Soft to firm greyish brown slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of sandstone.		
		1.00	SPT	50 (25 for 75mm/50 for 70mm)	1.00		REWORKED GROUND: Brown clayey GRAVEL. Gravel is angular to subangular coarse of sandstone.	1	
							End of Borehole at 1.00m		
								2	
								3	
								4	
								5	

Remarks
 Borehole terminated due to SPT refusal on sandstone cobble/boulder.



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Windowless Sampler Borehole Log

Borehole No.

WS05

Sheet 1 of 1

Project Name:	Parkside Sports and Community Centre, Hoyland	Project No.:	P22-01115	Co-ords:	435919E - 399790N	Hole Type:	WS
Location:	Land between Sheffield Road and Stead Lane, Hoyland, Barnsley, S74 0AH	Level:		Scale:	1:25	Logged By:	AG
Client:	Barnsley Metropolitan Borough Council	Dates:	20/01/2023				

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Grass overlying dark brown gravelly CLAY (TOPSOIL). Gravel is subangular to subrounded fine to medium of sandstone and mudstone.		
		0.40					REWORKED GROUND: Firm greyish brown gravelly CLAY. Gravel is subangular to subrounded of sandstone, mudstone and coal.		
		0.80					Firm orangish brown mottled grey slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of sandstone.	1	
		1.00	SPT	N=17 (4,4/4,4,4,5)					
		1.50	D						
		1.60							
		1.80	SPT	50 (25 for 70mm/50 for 85mm)			Very weak to weak thinly laminated distinctly weathered orangish brown friable SILTSTONE with infills of clay.		
							End of Borehole at 1.80m	2	
								3	
								4	
								5	

Remarks
 Borehole terminated due to SPT refusal on probable sandstone bedrock.

Appendix III

Cable Percussion Borehole Log



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Cable Percussive Borehole Log

Borehole No.

CP01

Sheet 1 of 1

Project Name:	Parkside Sports and Community Centre, Hoyland	Project No.:	P22-01115	Co-ords:	435957E - 399770N	Hole Type:	CP
Location:	Land between Sheffield Road and Stead Lane, Hoyland, Barnsley, S74 0AH			Level:		Scale:	1:50
Client:	Barnsley Metropolitan Borough Council			Dates:	16/12/2022	Logged By:	AG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.40	B		0.40		Grass overlying brown slightly sandy slightly gravelly CLAY (TOPSOIL). Sand is fine to medium. Gravel is subangular to subrounded fine to coarse of mudstone. Ground was observed to be frozen at the time of the site investigation.	
		1.00 - 2.00	B				OPENCAST FILL: Greyish brown clayey gravelly SAND. Sand is fine to medium. Gravel is subangular to subrounded fine to coarse of mudstone. Occasional cobbles of mudstone noted (based on observation of drilling progression).	
		1.20	D				<i>SPT refusal @1.2mbgl due to potential mudstone boulder associated with opencast backfill.</i>	
		1.20	SPT	50 (4,4/50 for 150mm)				
		2.00	SPT	N=15 (8,4/3,3,5,4)			<i>Based on SPT N values, strata becoming medium dense to dense.</i>	
		3.00	SPT	N=35 (11,4/6,5,11,13)				
		4.00	SPT	N=18 (4,4/4,3,5,6)				
		5.00 - 6.00	B					
		5.00	SPT	N=28 (5,6/7,8,7,6)				
		6.50	SPT	N=31 (5,6/7,7,8,9)				
		8.00 - 8.10	B		8.00		Very weak to weak destructured light grey MUDSTONE recovered as clayey sandy gravel.	
		8.00	SPT	50 (25 for 60mm/50 for 10mm)	8.10		End of Borehole at 8.10m	
		8.10	SPT	50 (25 for 5mm/50 for 0mm)				

Remarks
 Borehole terminated due to refusal on potential mudstone bedrock.