

Site Plan – Water monitoring boreholes



Site & Location: Mallinson Sports Centre Highgate School, Bishopswood Road, London N6 4NY						Borehole No: BH101		
Client: Highgate School				Coordinates: 52887E, 187803N		Sheet 1 of 1		
Engineer: Pringuer-James Consulting Engineers Ltd				Ground Level: +105.70mOD		Report No: 10930/JRCE		
Progress & Observations	Samples & Tests		Field Test Results	Strata		Legend	Strata Descriptions	Backfill / Installation
	Type	Depth (m)		Depth (m)	Level (m)			
BH commenced: 21/08/24	D	0.40		0.60	105.10		Grass underlain by MADE GROUND: dark brown slightly clayey, silty, slightly gravelly fine to medium sand. Gravel is mainly flint with occasional fragments of brick, asphalt and clinker. Occasional roots and rootlets	
BH dia: 100mm reducing with depth Inspection pit to 1.00m	D	0.90					'Stiff' becoming soft to firm friable orange brown and light grey mottled very silty, sandy, slightly gravelly CLAY. Gravel is rounded, fine flint. Occasional rootlets (Probably desiccated in upper levels)	
Water seepage at 2.00m	HV	1.20	58				Orange brown and light grey clayey, silty, very sandy GRAVEL grading to soft to firm silty sandy CLAY	
	HV	1.40	40				Soft to firm dark grey very silty sandy CLAY with occasional fine sand and silt partings	
	D	1.50	20					
	HV	1.60	20					
Water seepage at 4.10m				1.85	103.85		From 3.60m: rare white shell fossils.	
				2.10	103.60		From 3.60m: rare white shell fossils.	
	HV	2.30	35				From 3.60m: rare white shell fossils.	
	D	2.50	28				From 3.60m: rare white shell fossils.	
	HV	2.50	28				From 3.60m: rare white shell fossils.	
Water seepage at 4.10m							From 3.60m: rare white shell fossils.	
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	HV	3.40	65				From 3.60m: rare white shell fossils.	
	D	3.50					From 3.60m: rare white shell fossils.	
	HV	3.80	65				From 3.60m: rare white shell fossils.	
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Mallinson Sports Centre							Borehole No: BH102	
Site & Location: Highgate School, Bishopswood Road, London N6 4NY								
Client: Highgate School					Coordinates: 527941E, 187764N		Sheet 1 of 1	
Engineer: Pringuer-James Consulting Engineers Ltd					Ground Level: +106.80mOD		Report No: 10930/JRCB	
Progress & Observations	Samples & Tests		Field Test Results	Strata		Legend	Strata Descriptions	Backfill / Installation
	Type	Depth (m)		Depth (m)	Level (m)			
BH commenced: 21/08/24	D	0.20		0.10	106.70		Grass underlain by dark brown clayey, silty, very sandy, slightly gravelly TOPSOIL with rare brick fragments	
				0.35	106.45		MADE GROUND: dark grey brown clayey, silty, very sandy GRAVEL. Gravel is mainly flint with brick and concrete fragments	
	D	0.80					Soft locally firm orange brown and light grey mottled silty, sandy to very sandy, slightly gravelly CLAY with partings of silt and sand. Gravel is subangular to rounded, fine to coarse flint	
BH dia: 100mm reducing with depth Inspection pit to 1.00m	HV	1.00	25					1
	HV	1.20	20					
								
Water seepage at 1.50m	D	1.50					Between 1.40m and 1.60m: very gravelly	
	HV	1.60	25					
								
	HV	1.90	25					2
								
	HV	2.20	40					
								
	D	2.50						
	HV	2.50	45					
	HV	2.70	50					
				2.90	103.90			
							Firm to stiff friable dark grey, very silty, very sandy CLAY with frequent partings of sand and silt. Rare fossil shell fragments	3
								
	HV	3.30	75					
								
	D	3.50						
	HV	3.60	60					
								
	HV	3.80	52					
	HV	3.90	80					4
	HV	4.20	40					

Mallinson Sports Centre							Borehole No: BH104	
Highgate School, Bishopswood Road, London N6 4NY								
Client: Highgate School					Coordinates: 528035E, 187765N		Sheet 1 of 1	
Engineer: Pringuer-James Consulting Engineers Ltd					Ground Level: +109.85mOD		Report No: 10930/JRCB	
Progress & Observations	Samples & Tests		Field Test Results	Strata		Legend	Strata Descriptions	Backfill / Installation
	Type	Depth (m)		Depth (m)	Level (m)			
BH commenced: 21/08/24 BH dia: 100mm reducing with depth Inspection pit to 1.00m	D	0.20		0.25	109.60		Grass underlain by dark brown clayey silty, very sandy slightly gravelly TOPSOIL with rare brick fragments. Frequent to occasional rootlets	
	HV	0.70	85				Firm to stiff friable orange brown silty, sandy, slightly gravelly CLAY. Gravel is subangular to rounded, fine to coarse flint and sandstone. Occasional rootlets observed to 2.50m	
	D	0.80						
	HV	0.90	65					
	HV	1.20	58					
	HV	1.40	72					
	D	1.50						
	HV	1.60	64					
	HV	1.80	66					
	HV	2.00	48					
	HV	2.30	62					
D	2.50							

Site & Location	Mallinson Sports Centre Highgate School, Bishopswood Road, London N6 4PH	Report No: 10930/JRCB
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Results of groundwater monitoring

Date	BH ID	Ground level (mOD)	Pipe dia (mm)	GW depth (mbgl)	Depth to pipe base (mbgl)
08/08/24	WS02	106.7	35mm	1.74	4.80
	BH01	109.1	50mm	2.43	5.13
13/08/24	WS02	106.7	35mm	1.78	4.79
	BH01	109.1	50mm	2.46	5.14
21/08/24	WS02	106.7	35mm	1.75	4.90
	BH01	109.1	35mm	2.78	5.14
28/08/24	WS02	106.7	35mm	1.72	4.90
	BH01	109.1	50mm	2.48	5.14
	BH101	105.7	50mm	1.63	4.99
	BH102	106.8	50mm	1.26	4.94
	BH103	108.1	50mm	1.56	4.80
	BH104	109.85	50mm	1.66	4.83