

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	23/07/2024	Easting	502886.95	Ground Level (mOD)	Final Depth
	Date Completed	02/08/2024	Northing	179985.83	30.98	26.00 m
Client Arup						Sheet 3 of 3

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS		
	Date	Casing	Water						Depth (m)	Type	Results
	30/07/24	3.50	24.00					... with no sand, occasional orangish brown pockets of fine sand and frequent bioturbation at 24.00m	24.00 - 24.45 24.00	D44 SPT	N=50 (6,8/50 for 218mm)
					5.98		25.00	Very stiff, dark grey silty CLAY with frequent off-white and brown shell fragments (<25mm) and rare lignite fragments (<1mm).	25.00 - 25.45	U45	100 blows 100% Recovery
	30/07/24	25.00	24.00		5.48		25.50	(THAMES GROUP: HARWICH FORMATION - Swancombe Member)	25.50 - 25.95 25.50	D46 SPT	N=50 (6,7/50 for 295mm)
	30/07/24	26.00	26.00		4.98		26.00	Very stiff, extremely closely to closely fissured dark grey mottled bluish grey and brown slightly sandy silty CLAY with rare to occasional pockets of grey fine sand (<3mm). Fissures are randomly oriented, planar, smooth, polished, unpolished. (LAMBETH GROUP: READING FORMATION: Mottled Beds) ... becoming dark grey mottled bluish grey at 26.00m End of hole at 26.00m	26.00 26.00	D47 SPT	N=50 (25 for 70mm/50 for 45mm) ... Borehole aborted at 26.00m depth (see remarks)

General Remarks										
<ol style="list-style-type: none"> Borehole was diamond cored to 0.25m prior to borehole boring commencing. UXO testing was carried out in the borehole. Water seepage encountered at 0.88m depth, rising to 0.83m (30min), and at 2.50m depth, rising to 2.30m (5min), 2.00m (10 min), 1.70m (15min), and 1.30m (20min). Water seepage encountered at 24.00m depth. Location aborted at 26.00m depth due to refusal. 										

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	23/07/2024	Easting	502845.89	Ground Level (mOD)	Final Depth
	Date Completed	26/07/2024	Northing	179959.35	30.85	20.00 m
Client Arup						

BOREHOLE SUMMARY									
Top (m)	Base (m)	Type	Date Started	Date Ended	Rig Crew	Logger	Plant Used	Barrel Type	Drill Bit
0.00	0.29	DC	23/07/2024	23/07/2024	LP	EP	Hilti DD350		
0.29	1.20	IP	23/07/2024	23/07/2024	LP	EP	Hand Excavated		
1.20	20.00	CP	24/07/2024	25/07/2024	LP	EP	Dando 2000		

WATER STRIKES					WATER ADDED		HOLE		CASING	
Strike at (m)	Casing Depth (m)	Depth Water	Time (min)	Sealed (m)	From (m)	To (m)	Depth (m)	Diameter (mm)	Depth (m)	Diameter (mm)
2.00	2.00	1.70	20				0.00 20.00	200 200	0.00 3.50	200 200


CHISELLING & SLOW DRILLING			
From (m)	To (m)	Duration (hr:mm)	Material / Remarks

PROGRESS				
Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)	Remarks
23/07/2024	0.00		Dry	... Water Strike
23/07/2024	1.20		Dry	
24/07/2024	1.20		Dry	
24/07/2024	2.00	2.00	2.00	
24/07/2024	2.50	2.50	Dry	
24/07/2024	10.00	3.50	Dry	
25/07/2024	10.00	3.50	Dry	
25/07/2024	20.00	3.50	Dry	

INSTALLATION DETAILS						
Type	Diam (mm)	Depth (m)	Top RZ (m)	Base RZ (m)	Cover	Date Installation
GMP	50	3.00	1.00	3.00	Flush	26/07/2024

BACKFILL DETAILS				
Top (m)	Base (m)	Description	Backfill Date	Remarks
0.00	0.20	Concrete	26/07/2024	
0.20	1.00	Bentonite Pellets		
1.00	3.00	Pea Shingle		
3.00	4.00	Bentonite Pellets		
4.00	20.00	Cement / Bentonite Grout		


Note: All depths are in metres.
All diameters are in millimetres.
Water rise strikes are in minutes.
For details of abbreviations see Key overleaf



Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	23/07/2024	Easting	502845.89	Ground Level (mOD)	Final Depth
	Date Completed	26/07/2024	Northing	179959.35	30.85	20.00 m
Client Arup						

ROTARY FLUSH DETAIL					SPT DETAILS					
From (m)	To (m)	Flush Type	Flush Return (%)	Flush Colour	Depth (m)	Type	Reported Result	Hammer Ref	Casing Depth (m)	Water Depth (m)
					1.50	S	N=4 (1,0/1,1,1,1)	SDA7	1.50	Dry
					2.50	C	N=23 (2,3/5,5,6,7)	SDA7	2.50	Dry
					4.50	S	N=14 (2,3/3,3,4,4)	SDA7	3.50	Dry
					7.50	S	N=14 (3,3/3,4,4,3)	SDA7	3.50	Dry
					10.50	S	N=23 (2,3/4,5,6,8)	SDA7	3.50	Dry
					13.50	S	N=23 (2,3/5,5,6,7)	SDA7	3.50	Dry
					16.50	S	N=33 (3,5/7,8,9,9)	SDA7	3.50	Dry
					19.50	S	N=31 (4,4/6,7,8,10)	SDA7	3.50	Dry

CORING INFORMATION				
From (m)	To (m)	Duration (hr:mm)	Recovery (%)	Remarks

ABBREVIATIONS KEY			
HOLE TYPE	SAMPLES	IN SITU TESTING	INSTALLATION MONITORING TYPE
IP - Inspection Pit CP - Cable Percussion RC - Rotary Cored CP+RC - Cable Percussion & Rotary DS - Dynamic Sampling DS+RC - Dynamic Sampling & Rotary DP - Dynamic Probe DS - Dynamic Sampling TP - Trial Pit/Trench	TT - Trial Trench VE - Vacuum Excavated OP - Observation Pit OH - Open Hole RO - Rotary Open Hole RS - Rota Sonic SL - Sampling Location HA - Hand Auger TP+HA - Trial Pit & Hand Auger	ES - Environmental (Tab, Jar, Vial) U - 100mm Undisturbed UT - 100mm Undisturbed Thin Wall D - Disturbed B - Bulk LB - Large Bulk BLK - Block C - Core W - Water	SPT - Standard Penetration Test HV - Shear Hand Vane PP - Pocket Penetrometer PID - Volatile Organic Compounds CPT - In situ Cone Penetration Test DCP - Dynamic Cone Penetrometer Test ICBR - In situ CBR Test MP - Mackintosh Probe Test
GMP - Gas Monitoring Point GWMP - Groundwater Monitoring Point ICM - Inclinator SPE - Standpipe Piezometer SP - Standpipe AZCL - Assumed Zone of Core Loss RZ - Response Zone			
Issue: FINAL	Checked: FP	Approved: OS	Log Print Date: 23/10/2024

Project Name

Thorney Lane Phase 1 Due Diligence

Project No 24/3980	Date Started	23/07/2024	Easting	502845.89	Ground Level (mOD)	Final Depth
	Date Completed	26/07/2024	Northing	179959.35	30.85	20.00 m

Client Arup	Sheet 1 of 2
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Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS		
	Date	Casing	Water						Depth (m)	Type	Results
G	23/07/24		Dry		30.60		0.25	Grey CONCRETE. Clasts are angular to subrounded fine to coarse flint gravel (max. spacing between aggregates <12mm). Rare air voids.	0.30	ES1	0.40 ppm
					30.56		0.29	Brown gravelly fine to coarse SAND. Gravel comprises angular to subrounded fine to coarse flint and brick fragments.	0.30 - 0.50	LB2	
								(MADE GROUND)	0.30	PID	
								Grey and brown very sandy silty GRAVEL with low concrete cobble content. Gravel comprises angular to subrounded fine to coarse flint and brick fragments.	0.50	D3	
	23/07/24		Dry		29.85		1.00	(MADE GROUND)	0.50 - 0.80	LB4	0.20 ppm
	24/07/24		Dry					Grey and brown very sandy silty GRAVEL with low concrete cobble content. Gravel comprises angular to subrounded fine to coarse flint, brick and concrete fragments. Sand is fine to coarse.	0.50 - 0.80	LB5	
								(MADE GROUND)	0.80 - 1.00	LB6	
								... with rare fabric fragments (<25mm) at 0.60m	0.90 - 1.20	LB7	
		2.00	2.00		28.85		2.00	... with 2No. 6mm dia rebars at 0.62	1.00	D8	N=4 (1,0/1,1,1,1)
								... with a concrete slab between 0.87m and 0.97m	1.00 - 1.20	LB9	
								Soft, brown mottled orangish brown slightly gravelly slightly sandy silty CLAY with occasional lignite fragments (<3mm) and dark grey staining. Gravel is angular to subrounded fine to coarse flint.	1.20	D11	
								(MADE GROUND)	1.20	ES12	
	24/07/24	2.50	Dry		27.85		3.00	Multicoloured sandy slightly silty angular to subrounded medium to coarse flint GRAVEL.	1.50 - 1.95	D13	N=23 (2,3/5,5,6,7)
								(LYNCH HILL GRAVEL MEMBER)	1.50	SPT	
								... becoming very sandy at 1.00m	2.00	D14	
								... with 2No 15mm dia rebars at 1.05m	2.00 - 2.50	B15	
					27.35		3.50	... becoming firm and dark brown with occasional pockets of fine sand (<1mm) between 1.50m and 2.00m	2.50	ES17	0.40 ppm
								... becoming medium dense below 2.50m	2.50	B16	
								Firm, dark brown mottled orangish brown slightly gravelly slightly sandy silty CLAY with occasional pockets of orangish brown silty fine sand (<2mm), dark grey staining and rare black flecks.	3.00	SPT	
								(THAMES GROUP: WEATHERED LONDON CLAY)	3.00	PID	
								Firm, extremely closely fissured dark grey silty CLAY with frequent pockets of grey fine sand (<5mm). Fissures are horizontal, smooth, planar, unpolished.	3.50 - 3.95	U20	0.30 ppm
								(THAMES GROUP: LONDON CLAY)	4.00	D21	
								... with rare bioturbation at 5.00m	4.50 - 4.95	D22	
								... with rare white flecks at 6.00m	4.50	SPT	
								6.00	D23	40 blows 70% Recovery	
								6.00 - 6.45	U24		
								7.00	D25		
								7.50 - 7.95	D26		
								7.50	SPT	N=14 (3,3/3,4,4,3)	
								8.00	D27		
								9.00	D28		
								9.00 - 9.45	U29		
								10.00	D30	47 blows 100% Recovery	
24/07/24	3.50	Dry					... fissures becoming randomly orientated at 10.00m	10.50 - 10.95	D31		
25/07/24	3.50	Dry					... becoming stiff and slightly micaceous at 10.50m	10.50	SPT		
								11.00	D32		

General Remarks

- Borehole was diamond cored to 0.29m prior to borehole boring commencing.
- UXO testing was carried out in the borehole.
- Water seepage encountered at 2.00m depth, rising to 1.90m (5mins), 1.85m (10mins), 1.80m (15mins), 1.70m (20mins).



Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	23/07/2024	Easting	502845.89	Ground Level (mOD)	Final Depth
	Date Completed	26/07/2024	Northing	179959.35	30.85	20.00 m
Client Arup						Sheet 2 of 2

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS		
	Date	Casing	Water						Depth (m)	Type	Results
	25/07/24	3.50	Dry		10.85		20.00	... with occasional partings of fine sand at 13.00m ... becoming very stiff below 16.50m ... with occasional foraminifera at 19.00m	12.00	D33	60 blows 90% Recovery
									12.00 - 12.45	U34	
									13.50 - 13.95	D35	N=23 (2,3/5,5,6,7)
									13.50	SPT	
									14.00	D36	
									15.00	D37	49 blows 100% Recovery
									15.00 - 15.45	U38	
									16.00	D39	N=33 (3,5/7,8,9,9)
									16.50 - 16.95	D40	
									16.50	SPT	
									17.00	D41	92 blows 85% Recovery
									18.00	D42	
18.00 - 18.45	U43	N=31 (4,4/6,7,8,10)									
19.00	D44										
19.50 - 19.95	D45										
19.50	SPT										
20.00	D46										
End of hole at 20.00m											

General Remarks									
1. Borehole was diamond cored to 0.29m prior to borehole boring commencing. 2. UXO testing was carried out in the borehole. 3. Water seepage encountered at 2.00m depth, rising to 1.90m (5mins), 1.85m (10mins), 1.80m (15mins), 1.70m (20mins).									

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	31/07/2024	Easting	502968.25	Ground Level (mOD)	Final Depth
	Date Completed	09/08/2024	Northing	179961.59	31.00	33.00 m
Client Arup						

BOREHOLE SUMMARY									
Top (m)	Base (m)	Type	Date Started	Date Ended	Rig Crew	Logger	Plant Used	Barrel Type	Drill Bit
0.00	0.25	DC	31/07/2024	31/07/2024	LP & NB	EP & FT	Hilti DD350		
0.25	1.20	IP	31/07/2024	31/07/2024	LP & NB	EP & FT	Hand Excavated		
1.20	33.00	CP	05/08/2024	08/08/2024	LP & NB	EP & FT	Dando 2000		

WATER STRIKES					WATER ADDED		HOLE		CASING	
Strike at (m)	Casing Depth (m)	Depth Water	Time (min)	Sealed (m)	From (m)	To (m)	Depth (m)	Diameter (mm)	Depth (m)	Diameter (mm)
					1.50	3.00	0.00 33.00	200 200	0.00 3.00	200 200

CHISELLING & SLOW DRILLING			
From (m)	To (m)	Duration (hr:mm)	Material / Remarks

PROGRESS				
Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)	Remarks
31/07/2024	0.00		Dry	
31/07/2024	1.20		Dry	
05/08/2024	1.20		Dry	
05/08/2024	1.50		Wet	... Water Added
05/08/2024	3.00	3.00	Wet	
05/08/2024	12.50	3.00	Dry	
06/08/2024	12.50	3.00	Dry	
06/08/2024	23.00	3.00	Dry	
07/08/2024	23.00	3.00	19.30	... see Remark 3
07/08/2024	23.70	3.00	Dry	
07/08/2024	31.00	3.00	Dry	
08/08/2024	31.00	3.00	28.00	... see Remark 4
08/08/2024	31.20	3.00	Dry	
08/08/2024	33.00	3.00	Dry	

INSTALLATION DETAILS						
Type	Diam (mm)	Depth (m)	Top RZ (m)	Base RZ (m)	Cover	Date Installation
GWMP	50	32.00	22.00	33.00	Flush	09/08/2024

BACKFILL DETAILS				
Top (m)	Base (m)	Description	Backfill Date	Remarks
0.00	0.30	Concrete	09/08/2024	
0.30	0.80	Bentonite Pellets		
0.80	21.00	Cement / bentonite Grout		
21.00	22.00	Bentonite Pellets		
22.00	33.00	Pea Shingle		

Note: All depths are in metres.
 All diameters are in millimetres.
 Water rise strikes are in minutes.
 For details of abbreviations see Key overleaf

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Project No 24/3980	Date Started	31/07/2024	Easting	502968.25	Ground Level (mOD)	Final Depth
	Date Completed	09/08/2024	Northing	179961.59	31.00	33.00 m
Client Arup						

ROTARY FLUSH DETAIL					SPT DETAILS					
From (m)	To (m)	Flush Type	Flush Return (%)	Flush Colour	Depth (m)	Type	Reported Result	Hammer Ref	Casing Depth (m)	Water Depth (m)
					2.00	C	N=22 (3,4/5,5,6,6)	SDA4		Wet
					3.00	S	N=10 (1,2/2,3,3,2)	SDA4	3.00	Wet
					5.00	S	N=12 (2,3/3,2,3,4)	SDA4	3.00	Dry
					6.50	S	N=15 (2,3/4,3,4,4)	SDA4	3.00	Dry
					8.00	S	N=18 (2,3/4,5,4,5)	SDA4	3.00	Dry
					9.50	S	N=21 (3,4/4,5,6,6)	SDA4	3.00	Dry
					11.00	S	N=24 (3,4/5,6,6,7)	SDA4	3.00	Dry
					12.50	S	N=28 (3,5/6,7,7,8)	SDA4	3.00	Dry
					14.00	S	N=25 (4,5/6,7,6,6)	SDA4	3.00	Dry
					15.50	S	N=25 (2,4/5,6,7,7)	SDA4	3.00	Dry
					17.00	S	N=28 (4,6/5,8,8,7)	SDA4	3.00	Dry
					18.50	S	N=37 (6,8/8,9,10,10)	SDA4	3.00	Dry
					20.00	S	N=32 (5,6/7,8,8,9)	SDA4	3.00	Dry
					21.50	S	N=32 (5,8/7,7,9,9)	SDA4	3.00	Dry
					23.00	S	N=36 (4,6/8,8,9,11)	SDA4	3.00	Dry
					24.50	S	N=50 (8,10/12,14,14,10)	SDA4	3.00	Dry
					26.00	S	N=50 (6,12/50 for 295mm)	SDA4	3.00	Dry
					27.50	S	N=50 (11,14/50 for 105mm)	SDA4	3.00	Dry
					29.00	S	N=50 (25 for 75mm/50 for 85mm)	SDA4	3.00	Dry
					30.50	S	N=60 (12,13/60 for 240mm)	SDA4	3.00	Dry
					32.00	S	N=50 (8,17/50 for 160mm)	SDA4	3.00	Dry

ABBREVIATIONS KEY			
HOLE TYPE	SAMPLES	IN SITU TESTING	INSTALLATION MONITORING TYPE
IP - Inspection Pit CP - Cable Percussion RC - Rotary Cored CP+RC - Cable Percussion & Rotary DS - Dynamic Sampling DS+RC - Dynamic Sampling & Rotary DP - Dynamic Probe DS - Dynamic Sampling TP - Trial Pit/Trench	TT - Trial Trench VE - Vacuum Excavated OP - Observation Pit OH - Open Hole RO - Rotary Open Hole RS - Rota Sonic SL - Sampling Location HA - Hand Auger TP+HA - Trial Pit & Hand Auger	ES - Environmental (Tab, Jar, Vial) U - 100mm Undisturbed UT - 100mm Undisturbed Thin Wall D - Disturbed B - Bulk LB - Large Bulk BLK - Block C - Core W - Water	SPT - Standard Penetration Test HV - Shear Hand Vane PP - Pocket Penetrometer PID - Volatile Organic Compounds CPT - In situ Cone Penetration Test DCP - Dynamic Cone Penetrometer Test ICBR - In situ CBR Test MP - Mackintosh Probe Test GMP - Gas Monitoring Point GWMP - Groundwater Monitoring Point ICM - Inclinator SPE - Standpipe Piezometer SP - Standpipe AZCL - Assumed Zone of Core Loss RZ - Response Zone
Issue: FINAL	Checked: FP	Approved: OS	Log Print Date: 23/10/2024



Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	31/07/2024	Easting	502968.25	Ground Level (mOD)	Final Depth
	Date Completed	09/08/2024	Northing	179961.59	31.00	33.00 m
Client Arup						Sheet 1 of 3

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS		
	Date	Casing	Water						Depth (m)	Type	Results
	31/07/24		Dry		30.75		0.25	Grey CONCRETE. Clasts are angular to subrounded fine to coarse flint gravel (max. spacing between aggregate <5mm). Occasional air voids.	0.40	ES1	
								Brown gravelly fine to coarse SAND with occasional metal fragments. Gravel comprises angular to subrounded fine to coarse flint, brick and concrete fragments. (MADE GROUND)	0.40	PID	0.70 ppm
	31/07/24		Dry		29.80		1.20	... with slight hydrocarbon odour at 0.70m	0.90	ES2	
	05/08/24		Dry					... becoming dark grey with oil-like residue and slight to moderate hydrocarbon odour at 0.90m	0.90	PID	3.00 ppm
	05/08/24		Wet		29.50		1.50	Firm, brown slightly sandy slightly gravelly CLAY with pockets of orangish brown fine sand (<2mm) and occasional grey staining. Gravel is angular to subangular fine to coarse flint. (MADE GROUND)	2.00	SPT	N=22 (3,4/5,5,6,6)
								Brown mottled brownish grey sandy silty angular to subrounded fine to coarse flint GRAVEL. Sand is fine to coarse. (LYNCH HILL GRAVEL MEMBERS)	2.20	ES3	
								... becoming medium dense from 2.00m	2.20	PID	0.30 ppm
	05/08/24	3.00	Wet		28.00		3.00	Firm, dark brown mottled orangish brown slightly sandy silty CLAY with occasional pockets of orangish brown fine sand (<5mm) and frequent dark grey staining. (THAMES GROUP: WEATHERED LONDON CLAY)	3.00 - 3.45	D4	
								... becoming stiff with occasional bioturbation at 6.50m	3.00	SPT	N=10 (1,2/2,3,3,2)
								Firm, greyish brown silty CLAY with occasional pockets of grey fine sand (<2mm), dark staining and rare lenses of white silt. (THAMES GROUP: LONDON CLAY - A3)	3.50	ES5	
								... with rare lenses of off-white silt and off-white shell fragments at 8.00m	3.50	PID	0.10 ppm
								... with a band of extremely weak, brown claystone between 9.50m and 9.70m	4.50 - 4.95	U6	42 blows 100% Recovery
					26.00		5.00	Stiff dark grey silty CLAY. (THAMES GROUP: LONDON CLAY - A2)	5.00	D7	
								... becoming stiff with occasional bioturbation at 6.50m	5.00 - 5.45	D8	N=12 (2,3/3,2,3,4)
								... with rare lenses of off-white silt and off-white shell fragments at 8.00m	5.00	SPT	
								... with a band of extremely weak, brown claystone between 9.50m and 9.70m	6.00 - 6.45	U9	52 blows 100% Recovery
								... becoming stiff with occasional bioturbation at 6.50m	6.50	D10	
								... with rare lenses of off-white silt and off-white shell fragments at 8.00m	6.50 - 6.95	D11	N=15 (2,3/4,3,4,4)
								... with a band of extremely weak, brown claystone between 9.50m and 9.70m	6.50	SPT	
								... with rare lenses of off-white silt and off-white shell fragments at 8.00m	6.70	D12	
								... with a band of extremely weak, brown claystone between 9.50m and 9.70m	7.20	D13	
								... with rare lenses of off-white silt and off-white shell fragments at 8.00m	7.50 - 7.95	U14	55 blows 100% Recovery
								... with a band of extremely weak, brown claystone between 9.50m and 9.70m	8.00	D15	
								... with rare lenses of off-white silt and off-white shell fragments at 8.00m	8.00 - 8.45	D16	N=18 (2,3/4,5,4,5)
								... with a band of extremely weak, brown claystone between 9.50m and 9.70m	8.00	SPT	
								... with rare lenses of off-white silt and off-white shell fragments at 8.00m	8.70	D17	
								... with a band of extremely weak, brown claystone between 9.50m and 9.70m	9.00 - 9.45	U18	53 blows 100% Recovery
								... with a band of extremely weak, brown claystone between 9.50m and 9.70m	9.50	D19	
								... with a band of extremely weak, brown claystone between 9.50m and 9.70m	9.50 - 9.95	D20	N=21 (3,4/4,5,6,6)
								... with a band of extremely weak, brown claystone between 9.50m and 9.70m	9.50	SPT	
								... with a band of extremely weak, brown claystone between 9.50m and 9.70m	10.20	D21	
								... with a band of extremely weak, brown claystone between 9.50m and 9.70m	11.00	D22	
								... with a band of extremely weak, brown claystone between 9.50m and 9.70m	11.00 - 11.45	D23	N=24 (3,4/5,6,6,7)
								... with a band of extremely weak, brown claystone between 9.50m and 9.70m	11.00	SPT	
					19.30		11.70	Stiff dark grey silty CLAY. (THAMES GROUP: LONDON CLAY - A2)	11.70	D24	

General Remarks									
1. Borehole was diamond cored to 0.25m prior to borehole boring commencing.									
2. UXO testing was carried out in the borehole.									
3. Water entering the borehole between 06/08/2024 and 07/08/2024.									
4. Water entering the borehole between 07/08/2024 and 08/08/2024.									
5. Borehole aborted at 33.00m depth after Investigation Supervisor's instructions due to refusal.									

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	31/07/2024	Easting	502968.25	Ground Level (mOD)	Final Depth
	Date Completed	09/08/2024	Northing	179961.59	31.00	33.00 m
Client Arup						Sheet 2 of 3

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS		
	Date	Casing	Water						Depth (m)	Type	Results
[Well Diagram]	05/08/24	3.00	Dry			[Legend]			12.00 - 12.45	U25	62 blows 100% Recovery
	06/08/24	3.00	Dry			[Legend]		... with occasional pockets of brownish grey fine sand (<2mm) and rare bioturbation at 12.50m	12.50 12.50 - 15.95 12.50	D26 D27 SPT	N=28 (3,5/6,7,7,8)
									13.50 - 13.95	U28	65 blows 100% Recovery
									14.00	SPT	N=25 (4,5/6,7,6,6)
								... with a band of extremely weak to weak claystone between 14.70m and 14.80m	14.70	D29	
									15.00 - 15.45	U30	63 blows 100% Recovery
									15.50 15.50 - 15.95 15.50	D31 D32 SPT	N=25 (2,4/5,6,7,7)
								... with 1No extremely weak claystone fragment at 16.20m	16.20	D33	
									16.50 - 16.95	U34	66 blows 100% Recovery
								... with a band of extremely weak claystone between 17.00m and 17.10m	17.00 17.00 - 17.45 17.00	D35 D36 SPT	N=28 (4,6/5,8,8,7)
									17.70	D37	
									18.00 - 18.45	U38	68 blows 100% Recovery
								... becoming very stiff with occasional pockets of grey fine sand (<10mm) at 18.50m	18.50 18.50 - 18.95 18.50	D39 D40 SPT	N=37 (6,8/8,9,10,10)
								... with frequent pockets of grey fine sand (<11mm) at 18.90m ... becoming slightly micaceous at 19.20m	19.20	D41	
									19.50 - 19.95	U42	65 blows 100% Recovery
							... with occasional pockets of dark grey fine sand (<5mm) at 20.00m	20.00 20.00 - 20.45 20.00	D43 D44 SPT	N=32 (5,6/7,8,8,9)	
							... with frequent lenses of white silt at 20.45m	20.70	D45		
								21.00 - 21.45	U46	71 blows 100% Recovery	
							... with pyritised lignite fragments (<45mm) at 21.50m	21.50 21.50 - 21.95 21.50	D47 D48 SPT	N=32 (5,8/7,7,9,9)	
							... with frequent pockets of dark grey and grey fine sand (<4mm) at 21.90m ... with occasional pyrite nodules and lignite fragments (<1mm) at 22.20m	22.20	D49		
								22.50 - 22.95	U50	72 blows 100% Recovery	
	06/08/24	3.00	19.30				... with 1 No lignite fragment (<7mm) at 23.00m	23.00	D51		
	07/08/24	3.00	Dry				... with partings of slightly sandy clay at 23.10m Very stiff, dark grey silty CLAY with occasional off-white and brown shell fragments. (THAMES GROUP: HARWICH FORMATION- Swancombe Member)	23.00 - 23.45 23.00	D52 SPT	N=36 (4,6/8,8,9,11)	
	07/08/24	3.00	Dry	7.30			...with 2 No lignite fragments (<3mm) at 23.80m	23.70	D53		

General Remarks						
<ol style="list-style-type: none"> Borehole was diamond cored to 0.25m prior to borehole boring commencing. UXO testing was carried out in the borehole. Water entering the borehole between 06/08/2024 and 07/08/2024. Water entering the borehole between 07/08/2024 and 08/08/2024. Borehole aborted at 33.00m depth after Investigation Supervisor's instructions due to refusal. 						

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	31/07/2024	Easting	502968.25	Ground Level (mOD)	Final Depth
	Date Completed	09/08/2024	Northing	179961.59	31.00	33.00 m
Client Arup						Sheet 3 of 3

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS		
	Date	Casing	Water						Depth (m)	Type	Results
					5.00		26.00	24.00 - 24.45	U54	82 blows 100% Recovery N=50 (8,10/12,14,14,10)	
								24.30	D55		
								24.50 - 24.95	D56		
								24.50	SPT		
								25.20	D57		
								25.50 - 25.95	U58	85 blows 100% Recovery	
								26.00	D59		
								26.00 - 26.45	D60	N=50 (6,12/50 for 295mm)	
								26.00	SPT		
								26.70	D61		
								27.00 - 27.45	U62	100 blows 85% Recovery	
								27.50	D63		
								27.50 - 27.95	D64	N=50 (11,14/50 for 105mm)	
								27.50	SPT		
								28.20	D65		
				29.00 - 29.45	D66	N=50 (25 for 75mm/50 for 85mm)					
				29.00	SPT						
				30.00 - 30.45	U67	87 blows 100% Recovery N=60 (12,13/60 for 240mm)					
				30.50	SPT						
				31.20	D68	100 blows 100% Recovery					
				31.50 - 31.95	U69						
				32.00	D70	N=50 (8,17/50 for 160mm)					
				32.00 - 32.45	D71						
				32.00	SPT						
	07/08/24	3.00	28.00								
	08/08/24	3.00	Dry								
	08/08/24	3.00	Dry								
	08/08/24	3.00	Dry		-2.00		33.00	End of hole at 33.00m			... Borehole aborted at 33.00m depth (see Remarks)

General Remarks									
<ol style="list-style-type: none"> Borehole was diamond cored to 0.25m prior to borehole boring commencing. UXO testing was carried out in the borehole. Water entering the borehole between 06/08/2024 and 07/08/2024. Water entering the borehole between 07/08/2024 and 08/08/2024. Borehole aborted at 33.00m depth after Investigation Supervisor's instructions due to refusal. 									

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	02/08/2024	Easting	503000.95	Ground Level (mOD)	Final Depth
	Date Completed	08/08/2024	Northing	179948.63	31.09	30.45 m
Client Arup						

BOREHOLE SUMMARY									
Top (m)	Base (m)	Type	Date Started	Date Ended	Rig Crew	Logger	Plant Used	Barrel Type	Drill Bit
0.00	0.30	DC	02/08/2024	02/08/2024	BW & LP	EP & PO	Hilti DD35 Hand Excavated Dando 2000		
0.30	1.20	IP	02/08/2024	02/08/2024	BW & LP	EP & PO			
1.20	30.45	CP	05/08/2024	07/08/2024	BW & LP	EP & PO			

WATER STRIKES					WATER ADDED		HOLE		CASING	
Strike at (m)	Casing Depth (m)	Depth Water	Time (min)	Sealed (m)	From (m)	To (m)	Depth (m)	Diameter (mm)	Depth (m)	Diameter (mm)
27.50	3.50	27.00	20				0.00 30.45	200 200	0.00 3.50	200 200

CHISELLING & SLOW DRILLING			
From (m)	To (m)	Duration (hr:mm)	Material / Remarks

PROGRESS				
Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)	Remarks
02/08/2024	0.00		Dry	
02/08/2024	1.20		Dry	
05/08/2024	1.20		Dry	
05/08/2024	12.00	3.50	Dry	
06/08/2024	12.00	3.50	Dry	
06/08/2024	22.00	3.50	Dry	
07/08/2024	22.00	3.50	Dry	
07/08/2024	27.50	3.50	27.50	... Water strike
07/08/2024	28.50	3.50	Dry	
07/08/2024	30.45	3.50	Dry	

INSTALLATION DETAILS						
Type	Diam (mm)	Depth (m)	Top RZ (m)	Base RZ (m)	Cover	Date Installation
SPIE	19	8.80	7.00	9.00	Flush	08/08/2024

BACKFILL DETAILS				
Top (m)	Base (m)	Description	Backfill Date	Remarks
0.00	0.30	Concrete	08/08/2024	
0.30	1.00	Bentonite Pellets		
1.00	6.00	Cement / Bentonite Grout		
6.00	7.00	Bentonite Pellets		
7.00	9.00	Pea Shingle		
9.00	10.00	Bentonite Pellets		
9.00	10.00	Bentonite Pellets		
10.00	30.45	Cement / Bentonite Grout		

Note: All depths are in metres.
 All dimeters are in millimetres.
 Water rise strikes are in minutes.
 For details of abbreviations see Key overleaf

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	02/08/2024	Easting	503000.95	Ground Level (mOD)	Final Depth
	Date Completed	08/08/2024	Northing	179948.63	31.09	30.45 m
Client Arup						

ROTARY FLUSH DETAIL					SPT DETAILS					
From (m)	To (m)	Flush Type	Flush Return (%)	Flush Colour	Depth (m)	Type	Reported Result	Hammer Ref	Casing Depth (m)	Water Depth (m)
					1.50	S	N=24 (3,4/5,5,7,7)	SDA7	1.30	Dry
					2.50	C	N=21 (3,5/5,6,5,5)	SDA7	2.30	Dry
					4.50	S	N=19 (2,2/3,5,5,6)	SDA7	3.50	Dry
					6.50	S	N=18 (2,4/4,4,5,5)	SDA7	3.50	Dry
					8.00	S	N=22 (3,4/4,5,6,7)	SDA7	3.50	Dry
					9.50	S	N=25 (2,4/4,5,7,9)	SDA7	3.50	Dry
					11.00	S	N=24 (3,5/6,5,6,7)	SDA7	3.50	Dry
					12.50	S	N=24 (3,4/6,5,6,7)	SDA7	3.50	Dry
					14.00	S	N=30 (4,5/5,8,8,9)	SDA7	3.50	Dry
					15.50	S	N=27 (3,4/5,7,7,8)	SDA7	3.50	Dry
					17.00	S	N=31 (4,5/5,8,9,9)	SDA7	3.50	Dry
					18.50	S	N=28 (4,4/6,5,8,9)	SDA7	3.50	Dry
					20.00	S	N=47 (7,10/8,11,12,16)	SDA7	3.50	Dry
					21.50	S	N=49 (5,7/10,9,12,18)	SDA7	3.50	Dry
					23.00	S	N=50 (5,7/50 for 290mm)	SDA7	3.50	Dry
					24.50	S	N=50 (4,7/50 for 293mm)	SDA7	3.50	Dry
					26.00	S	N=50 (9,15/50 for 145mm)	SDA7	3.50	Dry
					27.50	S	50 (7,9/50 for 225mm)	SDA7	3.50	27.00
					28.00	S	N=50 (12,13/50 for 218mm)	SDA7	3.50	Dry

ABBREVIATIONS KEY			
HOLE TYPE	SAMPLES	IN SITU TESTING	INSTALLATION MONITORING TYPE
IP - Inspection Pit CP - Cable Percussion RC - Rotary Cored CP+RC - Cable Percussion & Rotary DS - Dynamic Sampling DS+RC - Dynamic Sampling & Rotary DP - Dynamic Probe DS - Dynamic Sampling TP - Trial Pit/Trench	TT - Trial Trench VE - Vacuum Excavated OP - Observation Pit OH - Open Hole RO - Rotary Open Hole RS - Rota Sonic SL - Sampling Location HA - Hand Auger TP+HA - Trial Pit & Hand Auger	ES - Environmental (Tab, Jar, Vial) U - 100mm Undisturbed UT - 100mm Undisturbed Thin Wall D - Disturbed B - Bulk LB - Large Bulk BLK - Block C - Core W - Water	SPT - Standard Penetration Test HV - Shear Hand Vane PP - Pocket Penetrometer PID - Volatile Organic Compounds CPT - In situ Cone Penetration Test DCP - Dynamic Cone Penetrometer Test ICBR - In situ CBR Test MP - Mackintosh Probe Test GMP - Gas Monitoring Point GWMP - Groundwater Monitoring Point ICM - Inclinator SPE - Standpipe Piezometer SP - Standpipe AZCL - Assumed Zone of Core Loss RZ - Response Zone
Issue: FINAL	Checked: FP	Approved: OS	Log Print Date: 23/10/2024



Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	02/08/2024	Easting	503000.95	Ground Level (mOD)	Final Depth
	Date Completed	08/08/2024	Northing	179948.63	31.09	30.45 m
Client Arup						Sheet 1 of 3

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS		
	Date	Casing	Water						Depth (m)	Type	Results
BH24-08	02/08/24		Dry		30.79		0.30	Grey CONCRETE. Clasts are angular to subrounded fine to coarse flint gravel (max. spacing between aggregate <4mm). Rare air voids.	0.30 - 0.50	B1	
					30.39		0.70	Brownish grey mottled brown clayey fine SAND and GRAVEL with 1 No metal fragment (<220mm). Gravel comprises angular to subrounded fine to coarse flint, brick and concrete fragments. Sand is fine.	0.50 0.50 0.70 - 0.90	ES2 PID B3	0.20 ppm
					30.09		1.00	(MADE GROUND)	0.80	ES4	
	02/08/24		Dry		29.79		1.30	... with 1No concrete cobble at 0.68m	0.80 1.00	PID D5	0.70 ppm
	05/08/24		Dry		29.39		1.70	Dark brown sandy GRAVEL. Gravel comprises angular to subrounded fine to coarse flint, brick, concrete and clinker-like fragments. Sand is fine.	1.00 - 1.20 1.20 1.20	B6 ES7 PID	0.40 ppm
					28.39		2.70	(MADE GROUND)	1.50 - 1.95 1.50	D8 SPT	N=24 (3,4/5,5,7,7)
								Firm, greyish brown mottled dark grey slightly sandy gravelly CLAY. Gravel comprises angular to subrounded fine to coarse flint and clinker like fragments and rare fine brick fragments. Sand is fine.	1.80 2.00	ES9 PID D10	0.20 ppm
								(MADE GROUND)	2.50	ES12	
								Greyish brown slightly sandy GRAVEL with rare pockets of grey clay (<20mm). Gravel comprises angular to subangular fine to coarse flint, mortar and concrete fragments. Sand is fine to coarse.	2.50 - 2.70 2.50 2.50	B11 SPT PID	N=21 (3,5/5,6,5,5) 0.20 ppm
								(MADE GROUND)	2.70 - 3.20	B13	
								... becoming medium dense below 1.50m	3.00	D14	
								... becoming orangish brown from 1.60m	3.00	ES15	0.30 ppm
								Medium dense, very sandy well rounded fine to coarse flint GRAVEL with occasional black flecks.	3.00 - 3.95	PID U16	22 blows 100% Recovery
								(LYNCH HILL GRAVEL MEMBER)			
								Stiff, grey slightly sandy slightly micaceous silty CLAY with occasional pockets of grey fine sand.	4.50 - 4.95	D17	
								(THAMES GROUP: LONDON CLAY- A3ii)	4.50	SPT	N=19 (2,2/3,5,5,6)
								... with frequent lenses and pockets (<3mm) of grey fine sand at 3.20m			
								... with 2No off-white shell fragments at 4.00m			
								... with 1No pyritised lignite fragment (<50mm) at 4.60m			
								... with rare lenses of off-white flecks at 5.20m			
								... with occasional pockets of greenish grey silty sand (<5mm) at 6.00m	6.00 - 6.45	U18	51 blows 100% Recovery
									6.50	D19	
									6.50	SPT	N=18 (2,4/4,4,5,5)
								... with 1No polished surface at 7.50m	7.50 - 7.95	U20	43 blows 100% Recovery
							... with very closely to closely spaced partings of grey sand from 7.60m	8.00 8.00 - 8.45	D21 D22		
								8.00	SPT	N=22 (3,4/4,5,6,7)	
							... with occasional off-white shell fragments at 10.20m	9.00 - 9.45	U23	47 blows 100% Recovery	
					21.59	9.50	Stiff, grey silty CLAY.	9.50	D24		
							(THAMES GROUP: LONDON CLAY- A3i)	9.50 - 9.95	D25		
							... with occasional off-white shell fragments at 10.20m	9.50	SPT	N=25 (2,4/4,5,7,9)	
							... with occasional bioturbation from 11.00m	10.50 - 10.95	U26	52 blows 100% Recovery	
								11.00	D27		
								11.00 - 11.45	D28		
								11.00	SPT	N=24 (3,5/6,5,6,7)	

General Remarks													
1. Borehole was diamond cored to 0.30m prior to borehole boring commencing.													
2. UXO testing was carried out in the borehole.													
3. Water seepage encountered at 27.50m depth, rising to 27.30m (5min), 27.10m (10 min), 27.00m (15min), and 27.00m (20min).													
Issue:	FINAL	Crew:	BW & LP	Logger:	EP & PO	Checked:	FP	Approved:	OS	Scale:	1:60	Log Print Date:	23/10/2024

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	02/08/2024	Easting	503000.95	Ground Level (mOD)	Final Depth
	Date Completed	08/08/2024	Northing	179948.63	31.09	30.45 m
Client Arup						Sheet 2 of 3

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS		
	Date	Casing	Water						Depth (m)	Type	Results
	05/08/24	3.50	Dry		16.89	[Legend symbols]	14.20	... with medium strong fine to coarse gravel size claystone fragments between 12.00m and 13.50m	12.00 - 12.45	U29	67 blows 100% Recovery
	06/08/24	3.50	Dry					12.50 D30 12.50 - 12.95 D31 12.50 SPT	N=24 (3,4/6,5,6,7)		
								Stiff, dark grey silty CLAY with 1No pyritised lignite fragment (<150mm). (THAMES GROUP: LONDON CLAY - A2)	13.50 - 13.95 U32 14.00 D33 14.00 - 14.45 D34 14.00 SPT		69 blows 100% Recovery N=30 (4,5/5,8,8,9)
								... with medium strong fine to coarse gravel size claystone fragments between 15.00m and 15.50m	15.00 - 15.45 U35 15.50 D36 15.50 - 15.95 D37 15.50 SPT		58 blows 100% Recovery N=27 (3,4/5,7,7,8)
								... becoming very stiff at 17.00m	16.50 - 16.95 U38 17.00 D39 17.00 - 17.45 D40 17.00 SPT		60 blows 90% Recovery N=31 (4,5/5,8,9,9)
								... with frequent off-white shell fragments (<2mm) from 18.00m	18.00 - 18.45 U41 18.50 D42 18.50 - 18.95 D43 18.50 SPT		61 blows 90% Recovery N=28 (4,4/6,5,8,9)
								... with occasional to frequent pockets of greenish grey fine sand at 20.00m	19.50 - 19.95 U44 20.00 D45 20.00 - 20.45 D46 20.00 SPT		65 blows 80% Recovery N=47 (7,10/8,11,12,16)
	06/08/24	3.50	Dry					... with frequent lenses of off-white silty sand at 23.00m	21.00 - 21.45 U47 21.50 D48 21.50 - 21.95 D49 21.50 SPT		100 blows 90% Recovery N=49 (5,7/10,9,12,18)
	07/08/24	3.50	Dry						22.50 - 22.95 U50 23.00 D51 23.00 - 23.45 D52 23.00 SPT		67 blows 100% Recovery N=50 (5,7/50 for 290mm)

General Remarks							
1. Borehole was diamond cored to 0.30m prior to borehole boring commencing. 2. UXO testing was carried out in the borehole. 3. Water seepage encountered at 27.50m depth, rising to 27.30m (5min), 27.10m (10 min), 27.00m (15min), and 27.00m (20min).							

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	02/08/2024	Easting	503000.95	Ground Level (mOD)	Final Depth
	Date Completed	08/08/2024	Northing	179948.63	31.09	30.45 m
Client Arup						Sheet 3 of 3

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS							
	Date	Casing	Water						Depth (m)	Type	Results					
[Redacted]	07/08/24	3.50	27.50	[Water Level Diagram]	5.09	[Legend Symbols]	24.00 - 24.45	... with rare foraminifera (<6mm) at 24.50m	U53	100 blows 90% Recovery						
							24.50		D54							
							24.50 - 24.95		D55							
							24.50		SPT	N=50 (4,7/50 for 293mm)						
							25.50 - 25.95		U56	100 blows 85% Recovery						
							26.00		D57							
							26.00 - 26.45		D59							
							26.00 - 26.50		B58							
							26.00		SPT	N=50 (9,15/50 for 145mm)						
							27.00 - 27.45		U60	100 blows 50% Recovery						
[Redacted]	07/08/24	3.50	Dry	[Water Level Diagram]	4.09	[Legend Symbols]	27.00 - 27.45	Very stiff, brown mottled bluish grey silty CLAY. (LAMBETH GROUP: READING FORMATION: Mottled Beds) ... becoming reddish brown mottled bluish grey at 27.50m	D61	100 blows 50% Recovery						
							27.50 - 27.95		D62							
							27.50		SPT	50 (7,9/50 for 225mm)						
							28.00 - 28.50		B63							
							28.00		SPT	N=50 (12,13/50 for 218mm)						
							29.00 - 29.45		D64							
							30.00 - 30.45		U65	100 blows 90% Recovery						
							30.45									
							End of hole at 30.45m									

General Remarks									
1. Borehole was diamond cored to 0.30m prior to borehole boring commencing. 2. UXO testing was carried out in the borehole. 3. Water seepage encountered at 27.50m depth, rising to 27.30m (5min), 27.10m (10 min), 27.00m (15min), and 27.00m (20min).									
									AGS

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	22/07/2024	Easting	502847.96	Ground Level (mOD)	Final Depth
	Date Completed	25/07/2024	Northing	179915.06	30.71	20.00 m
Client Arup						

BOREHOLE SUMMARY									
Top (m)	Base (m)	Type	Date Started	Date Ended	Rig Crew	Logger	Plant Used	Barrel Type	Drill Bit
0.00	0.25	DC	22/07/2024	22/07/2024	LP	EP	Hilti DD350		
0.25	1.20	IP	22/07/2024	22/07/2024	LP	EP	Hand Excavated		
1.20	20.00	CP	24/07/2024	25/07/2024	LP	EP	Dando 2000		

WATER STRIKES					WATER ADDED		HOLE		CASING	
Strike at (m)	Casing Depth (m)	Depth Water	Time (min)	Sealed (m)	From (m)	To (m)	Depth (m)	Diameter (mm)	Depth (m)	Diameter (mm)
							0.00	200	0.00	200
							20.00	200	10.50	200

CHISELLING & SLOW DRILLING			
From (m)	To (m)	Duration (hr:mm)	Material / Remarks

PROGRESS				
Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)	Remarks
22/07/2024	0.00			Dry
22/07/2024	1.20			Dry
24/07/2024	1.20			Dry
24/07/2024	7.00	3.00		Dry
25/07/2024	7.00	3.00		Dry
25/07/2024	20.00	10.50		Dry

INSTALLATION DETAILS						
Type	Diam (mm)	Depth (m)	Top RZ (m)	Base RZ (m)	Cover	Date Installation
GMP	50	3.00	1.00	3.00	Flush	25/07/2024
SPIE	19	18.00	17.00	19.00	Flush	25/07/2024

BACKFILL DETAILS				
Top (m)	Base (m)	Description	Backfill Date	Remarks
0.00	0.20	Concrete	25/07/2024	
0.20	1.00	Bentonite Pellets		
1.00	3.00	Pea Shingle		
3.00	17.00	Bentonite Pellets		
17.00	19.00	Pea Shingle		
19.00	20.00	Bentonite Pellets		

Note: All depths are in metres.
 All dimeters are in millimetres.
 Water rise strikes are in minutes.
 For details of abbreviations see Key overleaf

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	22/07/2024	Easting	502847.96	Ground Level (mOD)	Final Depth
	Date Completed	25/07/2024	Northing	179915.06	30.71	20.00 m
Client Arup						

ROTARY FLUSH DETAIL					SPT DETAILS					
From (m)	To (m)	Flush Type	Flush Return (%)	Flush Colour	Depth (m)	Type	Reported Result	Hammer Ref	Casing Depth (m)	Water Depth (m)
					1.20	S	N=3 (1,0/1,1,0,1)	SDA4		Dry
					2.00	S	N=8 (1,2/2,3,1,2)	SDA4	1.50	Dry
					3.50	S	N=6 (1,1/2,2,1,1)	SDA4	3.00	Dry
					4.00	S	N=10 (2,1/2,2,3,3)	SDA4	3.00	Dry
					6.00	S	N=17 (3,3/3,4,6,4)	SDA4	3.00	Dry
					9.00	S	N=22 (2,3/3,4,5,10)	SDA4	3.00	Dry
					12.00	S	N=28 (3,4/5,8,7,8)	SDA4	10.50	Dry
					15.00	S	N=33 (4,4/5,8,9,11)	SDA4	10.50	Dry
					18.00	S	N=35 (4,6/8,8,9,10)	SDA4	10.50	Dry

CORING INFORMATION				
From (m)	To (m)	Duration (hr:mm)	Recovery (%)	Remarks

ABBREVIATIONS KEY			
HOLE TYPE IP - Inspection Pit CP - Cable Percussion RC - Rotary Cored CP+RC - Cable Percussion & Rotary DS - Dynamic Sampling DS+RC - Dynamic Sampling & Rotary DP - Dynamic Probe DS - Dynamic Sampling TP - Trial Pit/Trench	SAMPLES TT - Trial Trench VE - Vacuum Excavated OP - Observation Pit OH - Open Hole RO - Rotary Open Hole RS - Rota Sonic SL - Sampling Location HA - Hand Auger TP+HA - Trial Pit & Hand Auger	IN SITU TESTING ES - Environmental (Tab, Jar, Vial) U - 100mm Undisturbed UT - 100mm Undisturbed Thin Wall D - Disturbed B - Bulk LB - Large Bulk BLK - Block C - Core W - Water	INSTALLATION MONITORING TYPE SPT - Standard Penetration Test HV - Shear Hand Vane PP - Pocket Penetrometer PID - Volatile Organic Compounds CPT - In situ Cone Penetration Test DCP - Dynamic Cone Penetrometer Test ICBR - In situ CBR Test MP - Mackintosh Probe Test GMP - Gas Monitoring Point GWMP - Groundwater Monitoring Point ICM - Inclinator SPE - Standpipe Piezometer SP - Standpipe AZCL - Assumed Zone of Core Loss RZ - Response Zone
Issue: FINAL	Checked: FP	Approved: OS	Log Print Date: 23/10/2024



Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	22/07/2024	Easting	502847.96	Ground Level (mOD)	Final Depth
	Date Completed	25/07/2024	Northing	179915.06	30.71	20.00 m
Client Arup						Sheet 1 of 2

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS			
	Date	Casing	Water						Depth (m)	Type	Results	
G	22/07/24		Dry		30.46		0.25	Grey CONCRETE. Clasts are angular to subrounded fine to coarse flint gravel (max. spacing between aggregates <3mm). Rare air voids.	0.25	ES2		
					29.91		0.80	Brown sandy GRAVEL with medium concrete cobble content and occasional glass fragments (<15mm). Gravel comprises angular to subrounded fine to coarse flint, brick, concrete and clinker-like fragments. Sand is fine to medium.	0.25 - 4.00 0.25 0.40 - 0.60 0.50 0.60 - 0.80 0.80 - 1.00 1.00 - 1.20	LB1 PID LB3 D4 LB5 LB6 LB7	0.20 ppm	
	22/07/24		Dry					(MADE GROUND)	1.20	D9		
	24/07/24		Dry					Soft, brown slightly gravelly sandy CLAY. Gravel comprises angular to subrounded fine to coarse flint, brick and concrete fragments. Sand is fine.	1.20	ES8		
						28.71		2.00	(MADE GROUND)	1.20	SPT	N=3 (1,0/1,1,0,1)
									Firm, brown mottled orangish brown slightly gravelly slightly sandy silty CLAY with occasional pockets of orangish brown (<2mm) and yellowish brown (<3mm) fine sand and dark grey staining. Gravel comprises angular to subangular fine to coarse flint and brick fragments.	1.20 2.00 2.00 - 2.45 2.00 2.50	PID D10 D11 SPT	0.00 ppm
									(MADE GROUND)	2.50	ES13	N=8 (1,2/2,3,1,2)
									Firm, extremely closely fissured dark brown slightly gravelly slightly sandy silty CLAY with occasional pockets of grey fine sand (<2mm), occasional bioturbation and black staining. Fissures are randomly orientated, planar, smooth, unpolished. Gravel is angular to subangular fine to coarse flint.	2.50 - 3.00 2.50 3.00	B12 PID D14	0.20 ppm
						27.71		3.00	(MADE GROUND)	3.00	D15	
									(THAMES GROUP: LONDON CLAY)	3.00 - 3.45 3.00 - 3.45 3.00 - 3.50 3.30	U16 B17 ES18	23 blows 0% Recovery 0.20 ppm
									... becoming dark brown at 5.00m	3.30 3.50 - 3.95 3.50 4.00 4.00 - 4.45 4.00	PID D19 SPT D20 D21 SPT	N=6 (1,1/2,2,1,1)
										5.00 5.00 - 5.45	D22 U23	25 blows 0% Recovery
										6.00 6.00 - 6.45 6.00	D24 D25 SPT	N=17 (3,3/3,4,6,4)
		24/07/24	3.00	Dry					... with occasional white and black flecks at 7.00m	7.00	D26	
		25/07/24	3.00	Dry						7.50 - 7.95	U27	100 blows 0% Recovery
									... with occasional bioturbation at 8.00m	8.00	D28	
									... becoming stiff with frequent white flecks from 9.00m	9.00 9.00 - 9.45 9.00	D29 D30 SPT	N=22 (2,3/3,4,5,10)
									... with a parting of grey silty fine sand at 10.00m	10.00	D31	
									... with rare to occasional foraminifera from 11.00m	10.50 - 10.95 11.00	U32 D33	37 blows 30% Recovery

General Remarks

- Borehole was diamond cored to 0.25m prior to borehole boring commencing.
- UXO testing was carried out in the borehole.



Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	22/07/2024	Easting	502847.96	Ground Level (mOD)	Final Depth
	Date Completed	25/07/2024	Northing	179915.06	30.71	20.00 m
Client Arup						Sheet 2 of 2

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS									
	Date	Casing	Water						Depth (m)	Type	Results							
	25/07/24	10.50	Dry	10.71		20.00	... becoming very stiff below 15.00m ... with occasional off-white shell fragments at 19.00 End of hole at 20.00m	12.00	D34	N=28 (3,4/5,8,7,8)								
								12.00 - 12.45	D35									
								12.00	SPT									
																13.00	D36	100 blows 100% Recovery
																13.50 - 13.95	U37	
																14.00	D38	
																15.00	D39	N=33 (4,4/5,8,9,11)
																15.00 - 15.45	D40	
																15.00	SPT	
																16.00	D41	65 blows 100% Recovery
								16.50 - 16.95	U42									
								17.00	D43									
								18.00	D44	N=35 (4,6/8,8,9,10)								
								18.00 - 18.45	D45									
								18.00	SPT									
								19.00	D46	84 blows 100% Recovery								
								19.50 - 19.95	U47									
								20.00	D48									

General Remarks									
1. Borehole was diamond cored to 0.25m prior to borehole boring commencing. 2. UXO testing was carried out in the borehole.									

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	12/08/2024	Easting	503021.78	Ground Level (mOD)	Final Depth
	Date Completed	13/08/2024	Northing	179901.13	30.86	10.00 m
Client Arup						

BOREHOLE SUMMARY									
Top (m)	Base (m)	Type	Date Started	Date Ended	Rig Crew	Logger	Plant Used	Barrel Type	Drill Bit
0.00	0.21	DC	12/08/2024	12/08/2024	DE & NB	PO	Hilti DD350		
0.21	1.20	IP	12/08/2024	12/08/2024	DE & NB	PO	Hand Excavated		
1.20	10.00	CP	12/08/2024	13/08/2024	LP & JF	PO	Dando 2000		

WATER STRIKES					WATER ADDED		HOLE		CASING	
Strike at (m)	Casing Depth (m)	Depth Water	Time (min)	Sealed (m)	From (m)	To (m)	Depth (m)	Diameter (mm)	Depth (m)	Diameter (mm)
1.00		0.90	25		1.50	4.00	0.00 10.00	200 200	0.00 4.50	200 200

CHISELLING & SLOW DRILLING			
From (m)	To (m)	Duration (hr:mm)	Material / Remarks

PROGRESS				
Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)	Remarks
12/08/2024	0.00		Dry	
12/08/2024	1.00		1.00	... Water Strike
12/08/2024	1.20	1.20	Dry	
12/08/2024	1.50	1.20	Wet	... Water Added
12/08/2024	3.00	1.20	Wet	
12/08/2024	4.50	4.00	Dry	
13/08/2024	4.50	4.00	Dry	
13/08/2024	10.00	4.50	Dry	

INSTALLATION DETAILS						
Type	Diam (mm)	Depth (m)	Top RZ (m)	Base RZ (m)	Cover	Date Installation
GMP	50	3.80	1.00	4.00	Flush	13/08/2024

BACKFILL DETAILS				
Top (m)	Base (m)	Description	Backfill Date	Remarks
0.00	0.30	Concrete	13/08/2024	
0.30	1.00	Bentonite Pellets		
1.00	4.00	Pea Shingle		
4.00	5.00	Bentonite Pellets		
5.00	10.00	Cement / Bentonite Grout		

Note: All depths are in metres.
 All dimeters are in millimetres.
 Water rise strikes are in minutes.
 For details of abbreviations see Key overleaf

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	12/08/2024	Easting	503021.78	Ground Level (mOD)	Final Depth
	Date Completed	13/08/2024	Northing	179901.13	30.86	10.00 m
Client Arup						

ROTARY FLUSH DETAIL					SPT DETAILS					
From (m)	To (m)	Flush Type	Flush Return (%)	Flush Colour	Depth (m)	Type	Reported Result	Hammer Ref	Casing Depth (m)	Water Depth (m)
					1.50	C	N=25 (4,6/6,5,7,7)	SDA4		Wet
					3.00	C	N=28 (4,5/6,8,8,6)	SDA4		Wet
					5.00	S	N=17 (2,4/4,5,4,4)	SDA4	4.50	Dry
					6.50	S	N=21 (3,4/5,5,6,5)	SDA4	4.50	Dry
					8.00	S	N=24 (3,4/5,6,6,7)	SDA4	4.50	Dry
					9.50	S	N=22 (3,4/5,5,6,6)	SDA4	4.50	Dry

CORING INFORMATION				
From (m)	To (m)	Duration (hr:mm)	Recovery (%)	Remarks

ABBREVIATIONS KEY			
HOLE TYPE	SAMPLES	IN SITU TESTING	INSTALLATION MONITORING TYPE
IP - Inspection Pit CP - Cable Percussion RC - Rotary Cored CP+RC - Cable Percussion & Rotary DS - Dynamic Sampling DS+RC - Dynamic Sampling & Rotary DP - Dynamic Probe DS - Dynamic Sampling TP - Trial Pit/Trench	TT - Trial Trench VE - Vacuum Excavated OP - Observation Pit OH - Open Hole RO - Rotary Open Hole RS - Rota Sonic SL - Sampling Location HA - Hand Auger TP+HA - Trial Pit & Hand Auger	ES - Environmental (Tab, Jar, Vial) U - 100mm Undisturbed UT - 100mm Undisturbed Thin Wall D - Disturbed B - Bulk LB - Large Bulk BLK - Block C - Core W - Water	SPT - Standard Penetration Test HV - Shear Hand Vane PP - Pocket Penetrometer PID - Volatile Organic Compounds CPT - In situ Cone Penetration Test DCP - Dynamic Cone Penetrometer Test ICBR - In situ CBR Test MP - Mackintosh Probe Test GMP - Gas Monitoring Point GWMP - Groundwater Monitoring Point ICM - Inclinator SPE - Standpipe Piezometer SP - Standpipe AZCL - Assumed Zone of Core Loss RZ - Response Zone
Issue: FINAL	Checked: FP	Approved: OS	Log Print Date: 23/10/2024



Project Name

Thorney Lane Phase 1 Due Diligence

Project No 24/3980	Date Started	12/08/2024	Easting	503021.78	Ground Level (mOD)	Final Depth
	Date Completed	13/08/2024	Northing	179901.13	30.86	10.00 m

Client Arup	Sheet 1 of 1
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Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS			
	Date	Casing	Water						Depth (m)	Type	Results	
Well BH24-10	12/08/24		Dry		30.65		0.21	Grey CONCRETE. Clasts are angular to subangular fine to medium flint (max. spacing between aggregate <5mm). Rare air voids. Firm, dark grey locally greyish brown slightly sandy gravelly CLAY with occasional pockets of dark grey carbonaceous material and strong hydrocarbon odour. Gravel is subrounded to rounded fine to coarse flint. (MADE GROUND) ... with low flint cobble content at 0.70m ... becoming slightly gravelly from 0.90m	0.20 - 0.50 0.30 0.30 0.50 0.90 0.90 - 1.20 0.90	B1 ES2 PID D3 ES5 B4 PID	20.50 ppm 1.00 ppm	
	12/08/24		1.00	☹			1.70	Medium dense, orangish brown very sandy subrounded to rounded fine to coarse flint GRAVEL with frequent black flecks. Sand is fine. (LYNCH HILL GRAVEL MEMBER) ... becoming sandy below 2.50m	1.50 1.80 1.80 2.50 2.50	SPT ES7 PID ES8 PID	N=25 (4,6,5,7,7) 0.80 ppm 0.50 ppm	
	12/08/24	1.20	Dry				3.00	Medium dense, orangish brown silty fine to coarse SAND and subrounded to rounded fine to coarse flint GRAVEL. (LYNCH HILL GRAVEL MEMBER)	3.00 - 3.45 3.00	B9 SPT	N=28 (4,5/6,8,8,6)	
	12/08/24	1.20	Wet				3.95	... with a pocket of orangish brown silty clay (<20mm) at 3.80m	4.00 - 4.50	B10		
	12/08/24	4.00	Dry		26.91		4.30	Soft to firm, orangish brown mottled yellowish brown slightly gravelly slightly sandy silty CLAY. Gravel is subangular to subrounded fine to coarse flint. Sand is fine to coarse. (THAMES GROUP: WEATHERED LONDON CLAY) Firm, grey slightly micaceous silty CLAY with occasional bioturbation and rare pockets of grey fine sand (<10mm) (THAMES GROUP: LONDON CLAY) ... with occasional off-white shell fragments at 5.60m	4.50 4.50 - 4.95 4.50 5.00 5.00 - 5.45 5.00 6.00 - 6.50 6.50 - 6.95 6.50 7.50 - 7.95 8.00 8.00 - 8.45 8.00 9.00 - 9.45 9.50 9.50 - 9.95 9.50 10.00	ES11 U12 PID D13 D14 SPT B15 D16 SPT U17 D18 D19 SPT U20 D22 D21 SPT D23	0.20 ppm 45 blows 100% Recovery N=17 (2,4/4,5,4,4) N=21 (3,4/5,5,6,5) 51 blows 100% Recovery N=24 (3,4/5,6,6,7) 55 blows 100% Recovery N=22 (3,4/5,5,6,6)	
	13/08/24	4.50	Dry		20.86		10.00	End of hole at 10.00m				

General Remarks

- Borehole was diamond cored to 0.21m prior to borehole boring commencing.
- UXO testing was carried out in the borehole.
- Water seepage encountered at 1.00m depth, rising to 0.90m (25min)



SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

Southern Testing
Unit 11
Charlwoods Road
East Grinstead
West Sussex
RH19 2HU

SPT Hammer Ref: SDA4
Test Date: 13/04/2024
Report Date: 13/04/2024
File Name: SDA4.spt
Test Operator: BOB

Instrumented Rod Data

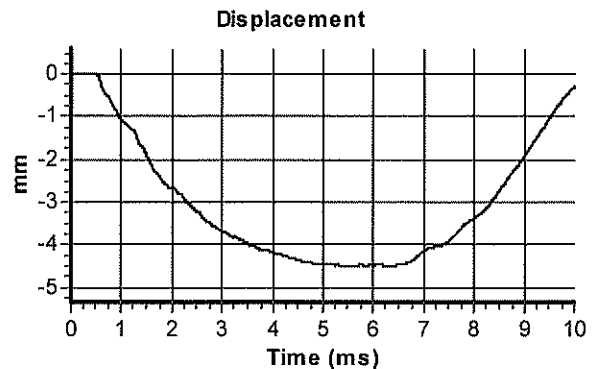
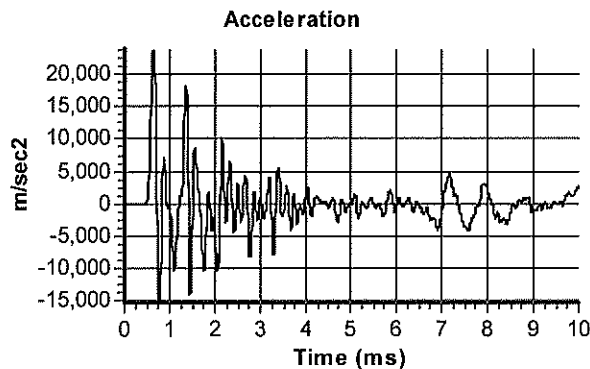
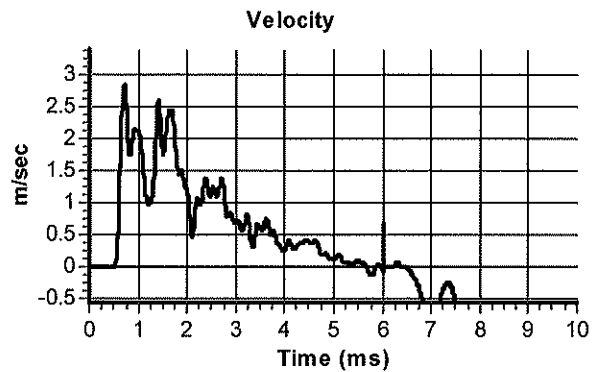
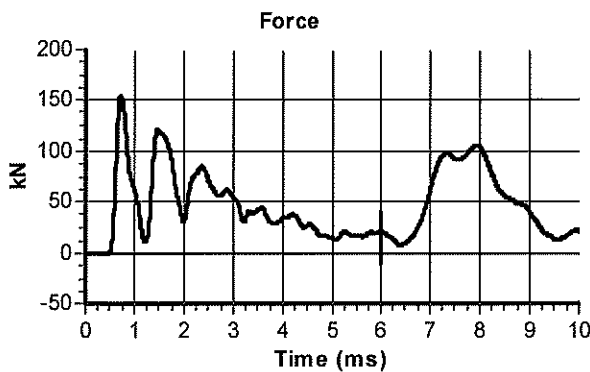
Diameter d_r (mm): 54
Wall Thickness t_r (mm): 6.6
Assumed Modulus E_a (GPa): 208
Accelerometer No.1: 64786
Accelerometer No.2: 64789

SPT Hammer Information

Hammer Mass m (kg): 63.5
Falling Height h (mm): 760
SPT String Length L (m): 14.7

Comments / Location

CHARLSWOOD



Calculations

Area of Rod A (mm^2): 983
Theoretical Energy E_{theor} (J): 473
Measured Energy E_{meas} (J): 340

Energy Ratio E_r (%): **72**

Signed: Bob Stewart
Title: Technician

The recommended calibration interval is 12 months

SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

Southern Testing
Unit 11
Charlwoods Road
East Grinstead
West Sussex
RH19 2HU

SPT Hammer Ref: SDA7
Test Date: 13/04/2024
Report Date: 13/04/2024
File Name: SDA7.spt
Test Operator: BOB

Instrumented Rod Data

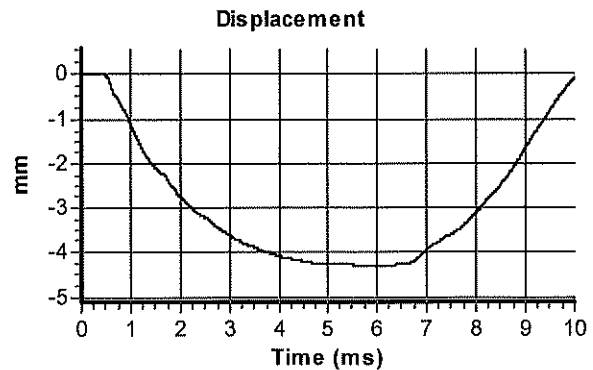
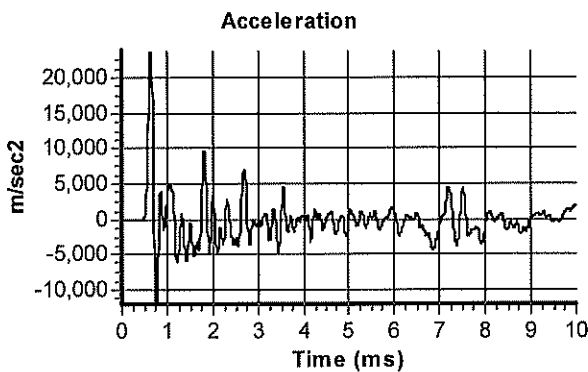
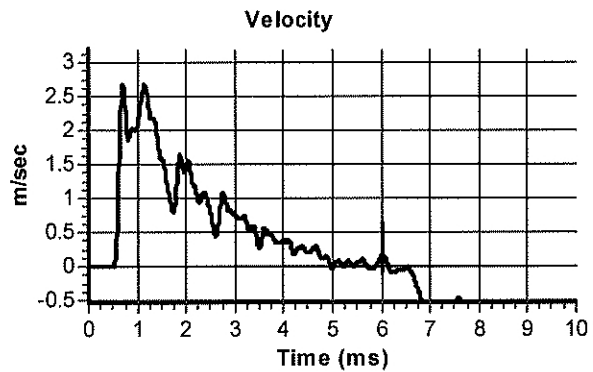
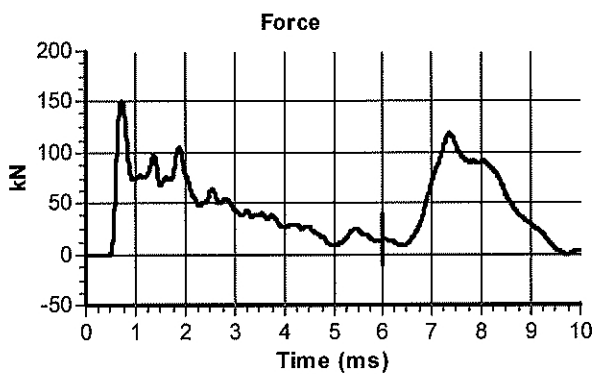
Diameter d_r (mm): 54
Wall Thickness t_r (mm): 6.6
Assumed Modulus E_a (GPa): 208
Accelerometer No.1: 64786
Accelerometer No.2: 64789

SPT Hammer Information

Hammer Mass m (kg): 63.5
Falling Height h (mm): 760
SPT String Length L (m): 14.7

Comments / Location

CHARLSWOOD



Calculations

Area of Rod A (mm^2): 983
Theoretical Energy E_{theor} (J): 473
Measured Energy E_{meas} (J): 345

Energy Ratio E_r (%): **73**

Signed: Bob Stewart

Title: Technician

The recommended calibration interval is 12 months

12. DYNAMIC SAMPLING BOREHOLE LOGS

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	30/07/2024	Easting	502856.04	Ground Level (mOD)	Final Depth
	Date Completed	31/07/2024	Northing	180105.85	31.60	5.00 m
Client Arup						Sheet 1 of 1

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS			
	Date	Casing	Water						Depth (m)	Type	Results	
E	30/07/24		Dry		31.30		0.30	Grey CONCRETE. Clasts are angular to subrounded fine to coarse flint gravel (max. spacing between aggregates <4mm). Rare air voids.	0.30	ES2	0.40 ppm	
							0.30 - 0.65	Brown mottled dark grey sandy silty GRAVEL. Gravel comprises angular to subrounded fine to coarse flint, clinker and brick fragments. (MADE GROUND)	0.30	B1		
							0.70 - 0.90		B3			
						30.70		0.90	Firm, brown mottled brownish grey slightly gravelly slightly sandy silty CLAY with occasional orangish brown fine sand pockets (<2mm), white flecks, lignite fragments (<2mm), dark grey staining and strong hydrocarbon odour. Gravel is angular to subangular fine to coarse brick fragments. (MADE GROUND)	0.90	ES5	38.80 ppm
								0.90 - 1.20	B4			
		30/07/24		Dry		30.40		1.20	Firm, brownish grey silty CLAY with occasional pockets of yellowish brown silt (<10mm). (THAMES GROUP: WEATHERED LONDON CLAY)	1.20	B6	N=10 (1,1/2,2,3,3)
		31/07/24		Dry				1.20 - 2.00	SPT			
						30.04		1.60	Firm, grey slightly micaceous silty CLAY with occasional pockets of silty sand (<10mm). (THAMES GROUP: LONDON CLAY)	1.60	ES7	0.10 ppm
								1.60	PID			
								2.00	... with 1No fissure at 1.90m. Fissure is 15-21 deg, planar, smooth, unpolished	2.00 - 2.45	D8	N=12 (2,2/2,3,3,4)
							2.00	... with extremely weak to very weak fine to medium gravel size claystone fragments between 2.07m and 2.14m	2.00 - 3.00	B9		
							2.50	... with extremely weak to very weak fine to medium gravel size claystone fragments at 2.21m	2.00	SPT		
							2.50	... with a parting of fine sand at 2.36m	2.50	D10		
							3.00	... becoming stiff at 3.00m	3.00 - 3.40	D11	N=16 (2,2/3,4,4,5)	
							3.00	... with 1No off-white shell fragment (<10mm) at 3.14m	3.00 - 4.00	B12		
							3.50	... with occasional partings of fine greenish grey sand between 3.30m and 3.60m	3.00	SPT		
							3.50	... becoming slightly sandy with occasional pockets of greenish grey fine sand and off-white shell fragments (<10mm) at 3.80m	3.50	D13		
							4.00	... with occasional partings of fine sand between 4.20m and 4.30m	4.00 - 4.45	D14	N=14 (1,2/2,3,4,5)	
							4.00	... with 1No pyritised lignite fragment at 4.71m	4.00 - 5.00	B15		
							4.50	... with occasional shell fragments (<10mm) at 4.85m	4.00	SPT		
							4.50	End of hole at 5.00m	4.50	D16		
	31/07/24	2.00	Dry		26.60		5.00	End of hole at 5.00m				

Dynamic Sampling Information					General Remarks	
From (m)	To (m)	Diameter (mm)	Recovery (%)	Method / Plant Used		
1.20	2.00	87	100	Hiliti DD350	1. Surface concrete was diamond cored and an inspection pit was hand excavated to 1.20m depth prior to borehole boring commencing. 2. UXO testing was carried out in the borehole. 3. 110mm diam casing used from ground level to 2.00m depth. 4. 50mm diam gas and groundwater monitoring pipe installed at 3.00m, slotted between 1.00m and 3.00m depth. 5. Borehole backfilled with bentonite pellets between 5.00m and 3.00m, pea shingle between 3.00m and 1.00m and bentonite pellets between 1.00m and 0.20m depth. Concrete with a stopcock cover installed from 0.20m to ground level. 6. SPT Hammer: Dart0037	
2.00	3.00	87	100	Hand Excavated		
3.00	4.00	77	100	Geo 2		
4.00	5.00	67	100			
ABBREVIATIONS KEY Samples: ES – Environmental (Tab, Jar, Vial), U(76) – 76mm Undisturbed, L- Liner, D – Disturbed, B - Bulk, LB – Large Bulk, BLK – Block Sample, W – Water, R-Root Tests: SPT – Standard Penetration Test, HV – Shear Hand Vane, PP – Pocket Penetrometer, PID – Volatile Organic Compounds, AZCL – Assumed Zone of Core Loss						
Issue:	FINAL	Crew:	DN	Logger:	FS	Checked: FP
Approved:	OS	Scale:	1:30	Log Print Date:	22/10/2024	



Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	01/08/2024	Easting	503042.01	Ground Level (mOD)	Final Depth
	Date Completed	02/08/2024	Northing	180155.62	32.63	1.25 m
Client Arup						Sheet 1 of 1

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS			
	Date	Casing	Water						Depth (m)	Type	Results	
	01/08/24		Dry		32.53		0.10	ASPHALT ... with frequent metal wire fragments at 0.10m Brown gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse flint. (MADE GROUND)	0.30 0.30 - 0.50 0.30	ES2 LB1 PID	0.00 ppm	
	01/08/24		Dry		31.38		1.25	... with low flint cobble content. at 1.00m	1.10 1.10 - 1.20 1.10 1.20	ES4 LB3 PID SPT	0.00 ppm N=50 (25 for 105mm/50 for 160mm)	
	02/08/24		Dry			End of hole at 1.25m						... Borehole aborted at 1.25m depth (see Remarks)
	02/08/24		Dry									

Dynamic Sampling Information					General Remarks	
From (m)	To (m)	Diameter (mm)	Recovery (%)	Method / Plant Used	1. Surface concrete was diamond cored and an inspection pit was hand excavated to 1.20m depth prior to borehole boring commencing. 2. Borehole aborted at 1.25m depth due to refusal. 3. 50mm diam gas and groundwater monitoring pipe installed at 1.25m, slotted between 0.60m and 1.25m depth. 4. Borehole backfilled with pea shingle between 1.25m and 0.50m and bentonite pellets between 0.50m and 0.25m depth. Concrete with a stopcock cover installed from 0.25m to ground level.	
				Hilti DD350 Hand Excavated Geo 2		

ABBREVIATIONS KEY Samples: ES – Environmental (Tab, Jar, Vial), U(76) – 76mm Undisturbed, L- Liner, D – Disturbed, B - Bulk, LB – Large Bulk, BLK – Block Sample, W – Water, R-Root
Tests: SPT – Standard Penetration Test, HV – Shear Hand Vane, PP – Pocket Penetrometer, PID – Volatile Organic Compounds, AZCL – Assumed Zone of Core Loss

Issue:	FINAL	Crew:	T & G	Logger:	EP	Checked:	FP	Approved:	OS	Scale:	1:30	Log Print Date:	22/10/2024
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Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	30/07/2024	Easting	502824.96	Ground Level (mOD)	Final Depth
	Date Completed	30/07/2024	Northing	180020.02	31.03	5.00 m
Client Arup						Sheet 1 of 1

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS		
	Date	Casing	Water						Depth (m)	Type	Results
E	30/07/24		Dry		30.76		0.27	Grey CONCRETE. Clasts are angular to subrounded fine to coarse flint gravel (max. spacing between aggregate <7mm). Rare air voids.			
							0.30	Grey and brown sandy GRAVEL with low concrete cobble content and rare metal fragments (<15mm). Gravel comprises angular to subrounded fine to coarse flint, brick and asphalt fragments. (MADE GROUND)	0.30	D1	
							0.30 - 0.60		0.30	B2	0.20 ppm
							0.80		0.80	ES5	
							0.80 - 1.00		0.80	B4	0.60 ppm
							0.80			PID	
	30/07/24		Dry		29.83		1.20	... becoming brownish grey, silty and gravelly at 1.10m. Gravel is angular to subrounded fine to coarse flint	1.20	D6	
							1.20 - 2.00	Soft, dark grey slightly gravelly slightly sandy silty CLAY with occasional pockets of dark grey carbonaceous material (<5mm) and slight organic odour. Gravel is subrounded to rounded fine to medium flint. (ALLUVIUM)	1.20	B7	N=4 (1,1/1,1,1,1)
							1.30	... with 1No dark grey root (<70mm) at 1.70m	1.30	ES8	
							1.30	... becoming dark grey and brownish grey at 1.80m	1.30	PID	0.80 ppm
	30/07/24		2.10	▼			1.80	... becoming stiff at 2.00m	1.80	D9	
							2.00		2.00 - 2.45	D11	
							2.00		2.00	D10	N=26 (1,3/6,6,7,7)
							2.00			SPT	
							2.50	Orangish brown fine to coarse sandy GRAVEL with frequent black flecks. Gravel is subrounded to rounded fine to coarse flint. (LYNCH HILL GRAVEL MEMBER)	2.50	ES12	
						2.50			PID	0.40 ppm	
						2.88	Stiff, brown mottled orangish brown silty CLAY with occasional pockets of orangish brown fine sand and 1No fine to coarse flint gravel. (THAMES GROUP: WEATHERED LONDON CLAY)	3.00 - 3.45	D13		
						3.00	Stiff, grey slightly micaceous CLAY with rare pockets of grey silt (<1mm). (THAMES GROUP: LONDON CLAY)	3.00	SPT	N=12 (3,4/3,3,3,3)	
						3.15	... with a band of orangish brown sandy gravel between 3.28m and 3.46m (contamination from SPT)				
						3.70	... with 1No very strong gravel size claystone fragment at 3.65m	3.70	D16		
						3.70	... AZCL between 3.70m and 4.00m	3.70	ES17		
						3.70			PID	0.10 ppm	
						4.00 - 4.45		4.00 - 4.45	D18		
						4.00 - 4.50		4.00 - 4.50	B19	N=18 (3,3/4,4,5,5)	
						4.00		4.00	SPT		
						4.90	... with 1No fissured at 4.65m. Fissure is 10-15 deg. planar, smooth, unpolished				
30/07/24	3.00			26.13	26.03	4.90	AZCL				
						5.00	End of hole at 5.00m				

Dynamic Sampling Information					General Remarks	
From (m)	To (m)	Diameter (mm)	Recovery (%)	Method / Plant Used		
1.20	2.00	87	100	Hilti DD350	1. Surface concrete was diamond cored and an inspection pit was hand excavated to 1.20m depth prior to borehole boring commencing. 2. UXO testing was carried out in the borehole. 3. Water seepage encountered at 2.10m. 4. 110mm diam casing used from ground level to 3.00m depth. 5. 50mm diam gas and groundwater monitoring pipe installed at 3.00m, slotted between 1.00m and 3.00m depth. Borehole backfilled with bentonite pellets between 5.00m and 3.00m, pea shingle between 3.00m and 1.00m and bentonite pellets between 1.00m and 0.20m depth. Concrete with a stopcock cover installed from 0.20m to ground level. 6. SPT Hammer: Dart0037	
2.00	3.00	87	63	Hand Excavated		
3.00	4.00	77	72	Geo 2		
4.00	5.00	67	90			

ABBREVIATIONS KEY Samples: ES – Environmental (Tab, Jar, Vial), U(76) – 76mm Undisturbed, L- Liner, D – Disturbed, B - Bulk, LB – Large Bulk, BLK – Block Sample, W – Water, R-Root
 Tests: SPT – Standard Penetration Test, HV – Shear Hand Vane, PP – Pocket Penetrometer, PID – Volatile Organic Compounds, AZCL – Assumed Zone of Core Loss

Issue:	FINAL	Crew:	DN	Logger:	PO	Checked:	FP	Approved:	OS	Scale:	1:30	Log Print Date:	22/10/2024
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Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	31/07/2024	Easting	502917.95	Ground Level (mOD)	Final Depth
	Date Completed	31/07/2024	Northing	180032.29	31.06	5.00 m
Client Arup						Sheet 1 of 1

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS			
	Date	Casing	Water						Depth (m)	Type	Results	
E	31/07/24		Dry		30.81		0.25	Grey CONCRETE. Clasts are angular to subrounded fine to coarse flint gravel (max. spacing between aggregate <4mm). Rare air voids.	0.30	B1	0.00 ppm	
							0.30	Soft, brown mottled grey slightly sandy slightly gravelly silty CLAY with occasional wood and metal fragments. Gravel comprises angular to subangular fine to coarse flint and rare brick and clinker-like fragments.	0.30 - 0.45	B2		
							0.30	(MADE GROUND)	0.40 - 0.60	B4		
						30.41	0.65	Soft, brown mottled grey slightly sandy gravelly silty CLAY with occasional glass fragments (<60mm). Gravel is angular to subangular fine to coarse flint.	0.70 - 0.90	B5		
								(MADE GROUND)	0.90	ES7		
								0.90 - 1.10	B6	1.30 ppm		
								0.90	PID			
								1.20	B8			
		31/07/24		Dry		29.86		1.20	... with 1 No concrete cobble at 0.70m ... becoming brown mottled dark grey with rare staining and brick fragments, and no glass at 1.10m	1.20	ES9	N=13 (2,3/4,3,3)
						29.71	1.35	Medium dense, dark grey locally brownish grey clayey subrounded to rounded fine to coarse flint GRAVEL with slight organic odour.	1.20	SPT		
							1.20	(MADE GROUND)	1.20	PID		
					29.41	1.65	Firm, dark grey gravelly silty CLAY with occasional pockets of dark grey carbonaceous material. Gravel is subrounded to rounded fine to coarse flint.	1.50	D10			
							1.60 - 2.00	(ALLUVIUM)	1.60 - 2.00	B11	N=11 (3,3/2,2,3,4)	
	31/07/24		2.00		28.93	2.13	Orangish brown sandy subrounded to rounded flint GRAVEL with frequent black flecks. Sand is fine to coarse.	2.00	SPT			
							2.20	(LYNCH HILL GRAVEL MEMBER)	2.20	ES12	0.10 ppm	
							2.20	Firm, orangish brown mottled yellowish brown slightly gravelly silty CLAY. Gravel is subrounded to rounded fine to coarse flint. (gravel is possible SPT contamination)	2.30 - 2.70	PID		
							2.30 - 2.70	(THAMES GROUP: WEATHERED LONDON CLAY)	2.30 - 2.70	B13		
					28.36	2.70	... with no gravel below 2.30m	2.70	B14	N=14 (1,2/3,3,3,5)		
							3.00 - 3.45	Firm, grey slightly sandy slightly micaceous silty CLAY with occasional pockets of greenish grey fine sand (<10mm).	3.00 - 4.00		D16	
							3.00 - 4.00	(THAMES GROUP: LONDON CLAY)	3.00		B15	
							3.00	SPT	3.00		SPT	
							3.50	... with 1No fissure at 3.50m. Fissure is 12-15 deg planar, smooth, unpolished	3.50	D17	N=23 (3,3/5,5,6,7)	
							4.00 - 4.45	... becoming stiff from 4.00m	4.00 - 5.00	D19		
							4.00	... with 2No lignite fragments (<20mm) at 4.30m and 4.60m	4.00	B18		
							4.50	... with closely spaced partings of fine sand below 4.70m	4.50	SPT		
							5.00	... with extremely weak fine to medium gravel size claystone fragments at 4.85m	5.00	D20		
	31/07/24	3.00			26.06		5.00	End of hole at 5.00m				

Dynamic Sampling Information					General Remarks	
From (m)	To (m)	Diameter (mm)	Recovery (%)	Method / Plant Used		
1.20	2.00	87	100	Hilti DD350	1. Surface concrete was diamond cored and an inspection pit was hand excavated to 1.20m depth prior to borehole boring commencing. 2. UXO testing was carried out in the borehole. 3. Water seepage encountered at 2.00m. 4. 110mm diam casing used from ground level to 3.00m depth. 5. 50mm diam gas and groundwater monitoring pipe installed at 3.00m, slotted between 1.00m and 3.00m depth. 6. Borehole backfilled with bentonite pellets between 5.00m and 3.00m, pea shingle between 3.00m and 1.00m and bentonite pellets between 1.00m and 0.20m depth. Concrete with a stopcock cover installed from 0.20m to ground level. 7. SPT Hammer: Dart0037	
2.00	3.00	87	90	Hand Excavated		
3.00	4.00	77	100	Geo2		
4.00	5.00	67	100			

ABBREVIATIONS KEY Samples: ES – Environmental (Tab, Jar, Vial), U(76) – 76mm Undisturbed, L – Liner, D – Disturbed, B – Bulk, LB – Large Bulk, BLK – Block Sample, W – Water, R-Root
Tests: SPT – Standard Penetration Test, HV – Shear Hand Vane, PP – Pocket Penetrometer, PID – Volatile Organic Compounds, AZCL – Assumed Zone of Core Loss

Issue:	FINAL	Crew:	T & G	Logger:	FT	Checked:	FP	Approved:	OS	Scale:	1:30	Log Print Date:	22/10/2024
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Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	31/07/2024	Easting	503065.84	Ground Level (mOD)	Final Depth
	Date Completed	01/08/2024	Northing	180008.78	31.55	5.00 m
Client Arup						Sheet 1 of 1

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS			
	Date	Casing	Water						Depth (m)	Type	Results	
E	31/07/24		Dry		31.35		0.20	Grey CONCRETE. Clasts are angular to subrounded fine to coarse flint gravel (max. spacing between aggregate <4mm). Rare air voids. Soft, brown slightly sandy gravelly silty CLAY with occasional glass fragments (<60mm). Gravel comprises angular to subangular fine to coarse flint, brick and clinker-like fragments. (MADE GROUND) ... becoming brown mottled greyish brown with grey staining and no glass at 0.50m	0.30	B1	0.00 ppm	
							0.30		0.30	ES2		
							0.30		0.30	PID		
							0.50		0.50	B3		
								0.90		0.90	ES4	0.30 ppm
								0.90		PID		
	31/07/24		Dry	▼	30.35		1.20	Greyish brown slightly sandy slightly gravelly silty CLAY. Gravel is rounded to well rounded fine to coarse flint. Sand is fine to coarse. (LYNCH HILL GRAVEL MEMBER)	1.20	B5	N=5 (1/1,1,2,1)	
	01/08/24		Dry				1.20		1.20	SPT		
	01/08/24		1.00		30.05		1.50	Dark grey sandy subrounded to rounded fine to coarse flint GRAVEL. Sand is fine to coarse. (LYNCH HILL GRAVEL MEMBER) ... becoming orangish brown with frequent white flecks at 1.75m ... AZCL between 1.90m and 2.00m ... becoming medium dense below 2.00m	1.30	ES6		
								1.30		PID		
								2.00		2.00	SPT	N=13 (4,6/6,3,2,2)
								2.60 - 3.00		2.60 - 3.00	B7	
						28.55		3.00	... with occasional pockets of brown slightly sandy clay (<50mm) below 2.80m	3.00 - 3.45	D8	N=11 (1,2/2,3,4)
						28.43		3.12	Firm, orangish brown silty CLAY with occasional pockets of yellowish brown silty sand. (THAMES GROUP: WEATHERED LONDON CLAY) Firm, brown mottled bluish grey slightly micaceous CLAY with rare pockets of grey silty sand (<5mm). (THAMES GROUP: LONDON CLAY)	3.00 - 4.00	B9	
								3.00	3.00	SPT		
								3.10	3.10	D10		
								3.20	3.20	ES11		
								3.20	3.20	PID		
								4.00 - 4.45	4.00 - 4.45	D13	N=13 (2,2/2,3,4,4)	
								4.00 - 5.00	4.00 - 5.00	B12		
								4.00	4.00	SPT		
								4.50	4.50	D14		
								4.50	4.50	D14		
01/08/24	3.00				26.55		5.00	End of hole at 5.00m				

Dynamic Sampling Information					General Remarks								
From (m)	To (m)	Diameter (mm)	Recovery (%)	Method / Plant Used									
1.20	2.00	87	85	Hilti DD350	1. Surface concrete was diamond cored and an inspection pit was hand excavated to 1.20m depth prior to borehole boring commencing. 2. UXO testing was carried out in the borehole. 3. Water seepage encountered at 1.30m. 4. 110mm diam casing used from ground level to 3.00m depth. 5. 50mm diam gas and groundwater monitoring pipe installed at 3.00m, slotted between 0.70m and 3.00m depth. 6. Borehole backfilled with bentonite pellets between 5.00m and 3.00m, pea shingle between 3.00m and 0.70m and bentonite pellets between 0.70m and 0.20m depth. Concrete with a stopcock cover installed from 0.20m to ground level. 7. SPT Hammer: Dart0037								
2.00	3.00	87	40	Hand Excavated									
3.00	4.00	77	100	Geo2									
4.00	5.00	67	90										
ABBREVIATIONS KEY					Samples: ES - Environmental (Tab, Jar, Vial), U(76) - 76mm Undisturbed, L - Liner, D - Disturbed, B - Bulk, LB - Large Bulk, BLK - Block Sample, W - Water, R-Root Tests: SPT - Standard Penetration Test, HV - Shear Hand Vane, PP - Pocket Penetrometer, PID - Volatile Organic Compounds, AZCL - Assumed Zone of Core Loss								
Issue:	FINAL	Crew:	DN & SM	Logger:	PO	Checked:	FP	Approved:	OS	Scale:	1:30	Log Print Date:	22/10/2024



Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	23/07/2024	Easting	502808.35	Ground Level (mOD)	Final Depth
	Date Completed	31/07/2024	Northing	179912.43	31.05	1.55 m
Client Arup						Sheet 1 of 1

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS		
	Date	Casing	Water						Depth (m)	Type	Results
	23/07/24		Dry		30.80 30.76		0.25 0.29	Grey CONCRETE. Clasts are angular to subrounded fine to coarse flint gravel (max. spacing between aggregates <9mm). Rare air voids. Brown gravelly fine to coarse SAND. Gravel comprises angular to subrounded fine to coarse flint and brick fragments. (MADE GROUND) Grey and brown sandy GRAVEL with low concrete cobble content. Gravel comprises angular to subrounded fine to coarse flint, concrete and brick fragments. Sand is fine to coarse. (MADE GROUND) ... with rare fabric fragments (<25mm) at 0.60m ... with 2No 6mm dia rebars at 0.62m ... with a concrete slab between 0.87m and 0.97m ... becoming very sandy at 1.00m. Sand is medium to coarse ... with 2No 15mm dia rebars at 1.05m ... becoming medium dense from 1.20m	0.20 - 0.50 0.29 - 0.50 0.30 0.30 0.50 - 0.70 0.50 - 0.70 0.70 - 0.96 0.70 - 0.96	B1 LB2 ES3 PID B4 B5 LB6 LB7	0.30 ppm
	23/07/24		0.85	▼					1.00 1.00	ES8 PID	0.00 ppm
	23/07/24 31/07/24								1.20 1.20 1.20	ES9 SPT PID	N=22 (5,6/7,6,4,5) 0.10 ppm
	31/07/24	1.55				29.50	1.55	End of hole at 1.55m			

Dynamic Sampling Information					General Remarks	
From (m)	To (m)	Diameter (mm)	Recovery (%)	Method / Plant Used		
1.20	1.55	87	100	Hildit DD350 Hand Excavated Geo 2	1. Surface concrete was diamond cored and an inspection pit was hand excavated to 1.20m depth prior to borehole boring commencing. 2. UXO testing was carried out in the borehole. 3. Water seepage encountered at 0.85m. 4. 110mm diam casing used from ground level to 2.00m depth. 5. Borehole aborted at 1.55m depth due to refusal. 6. Borehole backfilled with bentonite pellets and made good upon completion. 7. SPT Hammer: Dart0037	



ABBREVIATIONS KEY Samples: ES – Environmental (Tab, Jar, Vial), U(76) – 76mm Undisturbed, L- Liner, D – Disturbed, B - Bulk, LB – Large Bulk, BLK – Block Sample, W – Water, R-Root
Tests: SPT – Standard Penetration Test, HV – Shear Hand Vane, PP – Pocket Penetrometer, PID – Volatile Organic Compounds, AZCL – Assumed Zone of Core Loss

Issue:	FINAL	Crew:	DN	Logger:	EP	Checked:	FP	Approved:	OS	Scale:	1:30	Log Print Date:	22/10/2024
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Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	01/08/2024	Easting	503012.95	Ground Level (mOD)	Final Depth
	Date Completed	01/08/2024	Northing	180115.16	31.66	5.00 m
Client Arup						Sheet 1 of 1

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS		
	Date	Casing	Water						Depth (m)	Type	Results
E	01/08/24		Dry		31.41		0.25	Grey CONCRETE. Clasts are angular to subrounded fine to coarse flint gravel.			
							0.30	Soft, dark grey and brownish grey slightly gravelly silty CLAY with occasional wood fragments (<20mm) and strong hydrocarbon odour. Gravel comprises angular to subrounded fine to coarse flint, brick, concrete and clinker-like fragments. Sand is fine to coarse.	ES2	27.00 ppm	
						0.30 - 0.50	B1				
						0.30	PID				
						30.96		0.70	(MADE GROUND)	ES4	24.00 ppm
							0.70 - 0.90	B3			
							0.70	PID			
	01/08/24		Dry		30.66		1.00	(LYNCH HILL GRAVEL MEMBER)			
	01/08/24		1.00	▼				Soft to firm, brown mottled grey and dark grey slightly silty CLAY with occasional pockets of brown fine sand (<10mm).	ES6	1.50 ppm	
								(THAMES GROUP: WEATHERED LONDON CLAY)	B5		
								... becoming orangish brown mottled yellowish brown from 1.60m	PID		
								2.00 - 2.45	D8	N=8 (1,1/2,2,2,2)	
							2.00 - 3.00	B9			
							2.00	SPT			
					29.30		2.36	Firm, grey slightly micaceous silty CLAY with rare pockets of grey fine sand (<10mm) and rare off-white flecks.	ES10	0.80 ppm	
							2.40	PID			
							2.50	D11			
								... becoming fissured at 2.62m. Fissured as are 15-18 deg, planar, smooth, unpolished		N=13 (1,2/2,3,4,4)	
							3.00 - 3.45	D12			
							3.00 - 4.00	B13			
							3.00	SPT			
								... with occasional partings of greenish grey fine sand at 3.25m		N=15 (2,3/4,4,4)	
								... with 1No. pyritised lignite at 3.32m			
								3.50	D14		
								... fissures becoming 12-15 deg, planar, smooth, unpolished between 3.80m and 3.95m		N=15 (2,3/4,4,4)	
							4.00 - 4.45	D15			
							4.00 - 5.00	B16			
							4.00	SPT			
								... becoming slightly sandy at 4.10m		N=15 (2,3/4,4,4)	
								... with 1No. pyritised lignite (<10mm) at 4.12m			
								4.50	D17		
								... with a parting of fine grey sand at 4.40m		N=15 (2,3/4,4,4)	
								... with occasional partings of dark grey fine sand at 4.71m			
								... with 1No. off-white shell fragment (<10mm) at 4.90m		N=15 (2,3/4,4,4)	
								End of hole at 5.00m			
01/08/24	2.00			26.66			5.00				

Dynamic Sampling Information					General Remarks	
From (m)	To (m)	Diameter (mm)	Recovery (%)	Method / Plant Used		
1.20	2.00	87	50	Hilti DD350	1. Surface concrete was diamond cored and an inspection pit was hand excavated to 1.20m depth prior to borehole boring commencing. 2. UXO testing was carried out in the borehole. 3. Water seepage encountered at 1.30m. 4. 110mm diam casing used from ground level to 2.00m depth. 5. 50mm diam gas and groundwater monitoring pipe installed at 1.60m, slotted between 0.75m and 1.60m depth. 6. Borehole backfilled with bentonite pellets between 5.00m and 1.60m, pea shingle between 1.60m and 0.75m and bentonite pellets between 1.00m and 0.30m depth. Concrete with a stopcock cover installed from 0.20m to ground level. 7. SPT Hammer: Dart0037	
2.00	3.00	87	64	Hand Excavated		
3.00	4.00	77	100	Geo 2		
4.00	5.00	67	100			

ABBREVIATIONS KEY Samples: ES – Environmental (Tab, Jar, Vial), U(76) – 76mm Undisturbed, L- Liner, D – Disturbed, B - Bulk, LB – Large Bulk, BLK – Block Sample, W – Water, R-Root
 Tests: SPT – Standard Penetration Test, HV – Shear Hand Vane, PP – Pocket Penetrometer, PID – Volatile Organic Compounds, AZCL – Assumed Zone of Core Loss

Issue:	FINAL	Crew:	DN	Logger:	EP	Checked:	FP	Approved:	OS	Scale:	1:30	Log Print Date:	22/10/2024
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Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	02/08/2024	Easting	503018.14	Ground Level (mOD)	Final Depth
	Date Completed	02/08/2024	Northing	180149.85	31.86	5.00 m
Client Arup						Sheet 1 of 1

Well	PROGRESS			Water Strikes	Level (mOD)	Legend	Depth (m)	Stratum Description	SAMPLES & TESTS			
	Date	Casing	Water						Depth (m)	Type	Results	
	02/08/24		Dry		31.61		0.25	Grey CONCRETE. Clasts are angular to subrounded fine to coarse flint gravel (max. spacing between aggregates <4mm). Occasional air voids.	0.30	ES2	0.00 ppm	
							0.30 - 0.50	Brown gravelly fine to medium SAND. Gravel comprises angular to subrounded fine to coarse flint, brick, concrete and clinker-like fragments. (MADE GROUND)	0.30	B1		
										PID		
		02/08/24		Dry		30.66		1.20	Very dense, orangish brown SAND and subrounded to rounded fine to coarse flint GRAVEL with frequent black flecks. (LYNCH HILL GRAVEL MEMBER)	1.10	ES4	1.30 ppm N=50 (2,6/10,13,13,14) 0.50 ppm
		02/08/24	1.30	▼				1.10 - 1.20		B3		
								1.10		PID		
								1.20 - 2.00		B5		
								1.20		SPT		
						30.06		1.80	Orangish brown gravelly fine to coarse SAND. Gravel is subrounded to rounded fine to coarse flint. (LYNCH HILL GRAVEL MEMBER)	1.50	ES6	N=8 (2,2/2,2,2,2)
								2.00 - 2.80		B7		
							2.00		SPT			
					29.58		2.28	Firm, orangish brown locally yellowish brown silty CLAY. (THAMES GROUP: WEATHERED LONDON CLAY)	2.30	ES8	0.20 ppm	
							2.30		PID			
							2.50		D9			
					29.15		2.71	Firm, fissured grey slightly micaceous silty CLAY with rare pockets of grey fine sand (<5mm). Fissures are 12-16 deg, planar, smooth, unpolished. (THAMES GROUP: LONDON CLAY)	2.71 - 3.00	B10	N=11 (2,2/2,2,3,4)	
							3.00 - 3.45		D12			
							3.00 - 4.00		B11			
							3.00		SPT			
							3.50	... with occasional pockets of grey fine sand (<10mm) between 3.50m and 3.65m	D13			
							4.00 - 4.45	... with 1No. 10-13 deg, planar, smooth, unpolished fissure at 3.80m	D15			
							4.00 - 5.00	... becoming stiff below 4.00m	B14	N=18 (2,3/4,4,5,5)		
							4.00	... with 1No. polished surface at 4.21m	SPT			
							4.50	... with 2 No. shell fragments (<5mm) at 4.31m	D16			
	02/08/24	3.00			26.86		5.00	End of hole at 5.00m				

Dynamic Sampling Information					General Remarks	
From (m)	To (m)	Diameter (mm)	Recovery (%)	Method / Plant Used		
1.20	2.00	87	100	Hilti DD350	1. Surface concrete was diamond cored and an inspection pit was hand excavated to 1.20m depth prior to borehole boring commencing. 2. UXO testing was carried out in the borehole. 3. Water seepage encountered at 1.30m. 4. 110mm diam casing used from ground level to 3.00m depth. 5. 50mm diam gas and groundwater monitoring pipe installed at 2.30m, slotted between 1.00m and 2.25m depth. 6. Borehole backfilled with bentonite pellets between 5.00m and 2.30m, pea shingle between 2.30m and 0.70m and bentonite pellets between 0.70m and 0.30m depth. Concrete with a stopcock cover installed from 0.20m to ground level. 7. SPT Hammer: Dart0037	
2.00	3.00	87	100	Hand Excavated		
3.00	4.00	77	67	Geo 2		
4.00	5.00	67	100			

ABBREVIATIONS KEY Samples: ES – Environmental (Tab, Jar, Vial), U(76) – 76mm Undisturbed, L- Liner, D – Disturbed, B - Bulk, LB – Large Bulk, BLK – Block Sample, W – Water, R-Root
 Tests: SPT – Standard Penetration Test, HV – Shear Hand Vane, PP – Pocket Penetrometer, PID – Volatile Organic Compounds, AZCL – Assumed Zone of Core Loss

Issue:	FINAL	Crew:	DN	Logger:	PO	Checked:	FP	Approved:	OS	Scale:	1:30	Log Print Date:	22/10/2024
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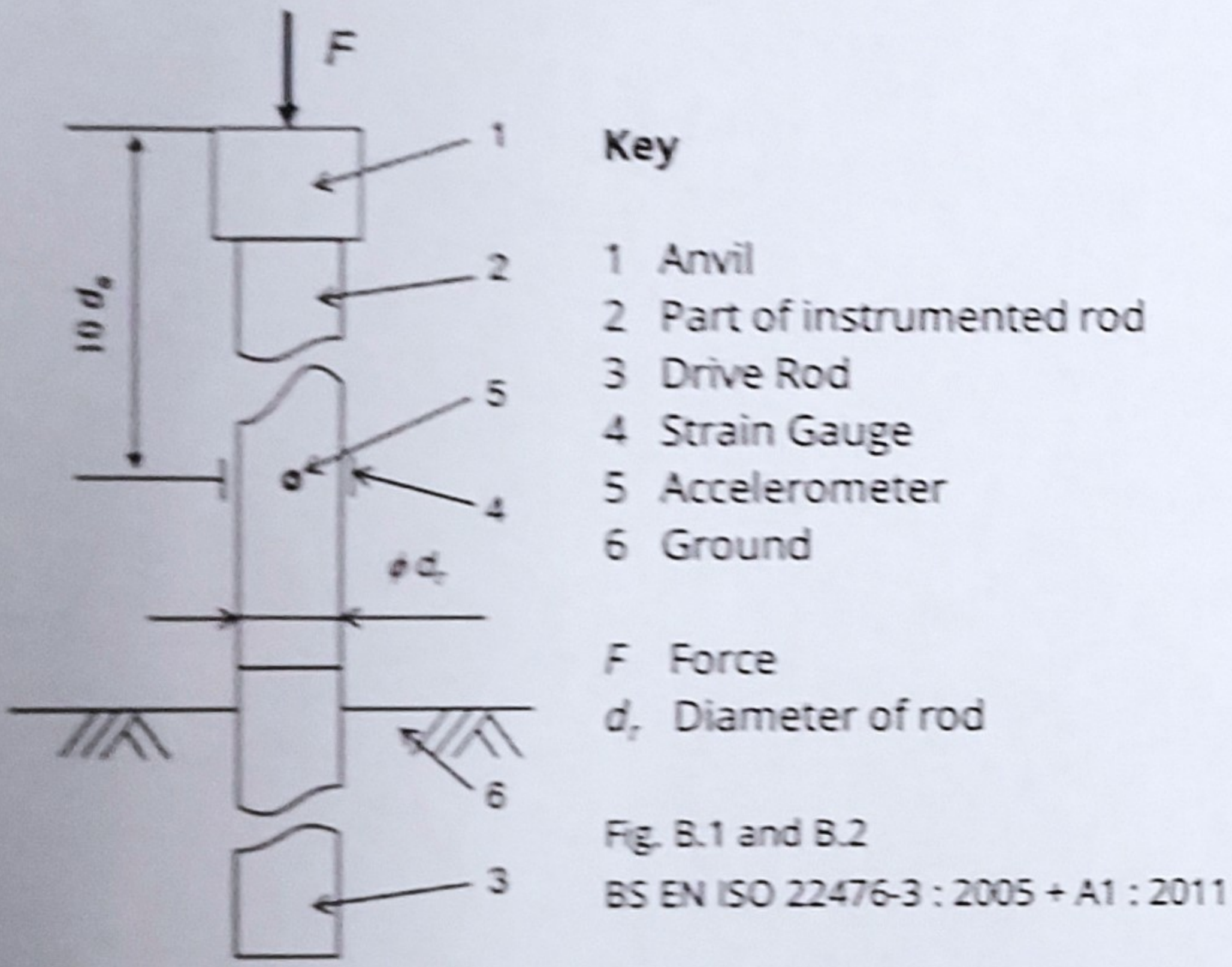
SPT Calibration Report

Hammer Energy Measurement Report

Type of Hammer: Global
 Test No: EQU2023_178
 Client: Concept

Test Depth (m): 9.50
 Mass of hammer: $m = 63.5\text{kg}$
 Falling height: $h = 0.76\text{m}$
 $E_{theor} = m \times g \times h = 473\text{J}$

Characteristics of the instrumented rod



Diameter: $d_r = 0.052\text{ m}$
 Length of instrumented rod: 0.558 m
 Area: $A = 11.61\text{ cm}^2$
 Modulus: $E_s = 206843\text{ MPa}$

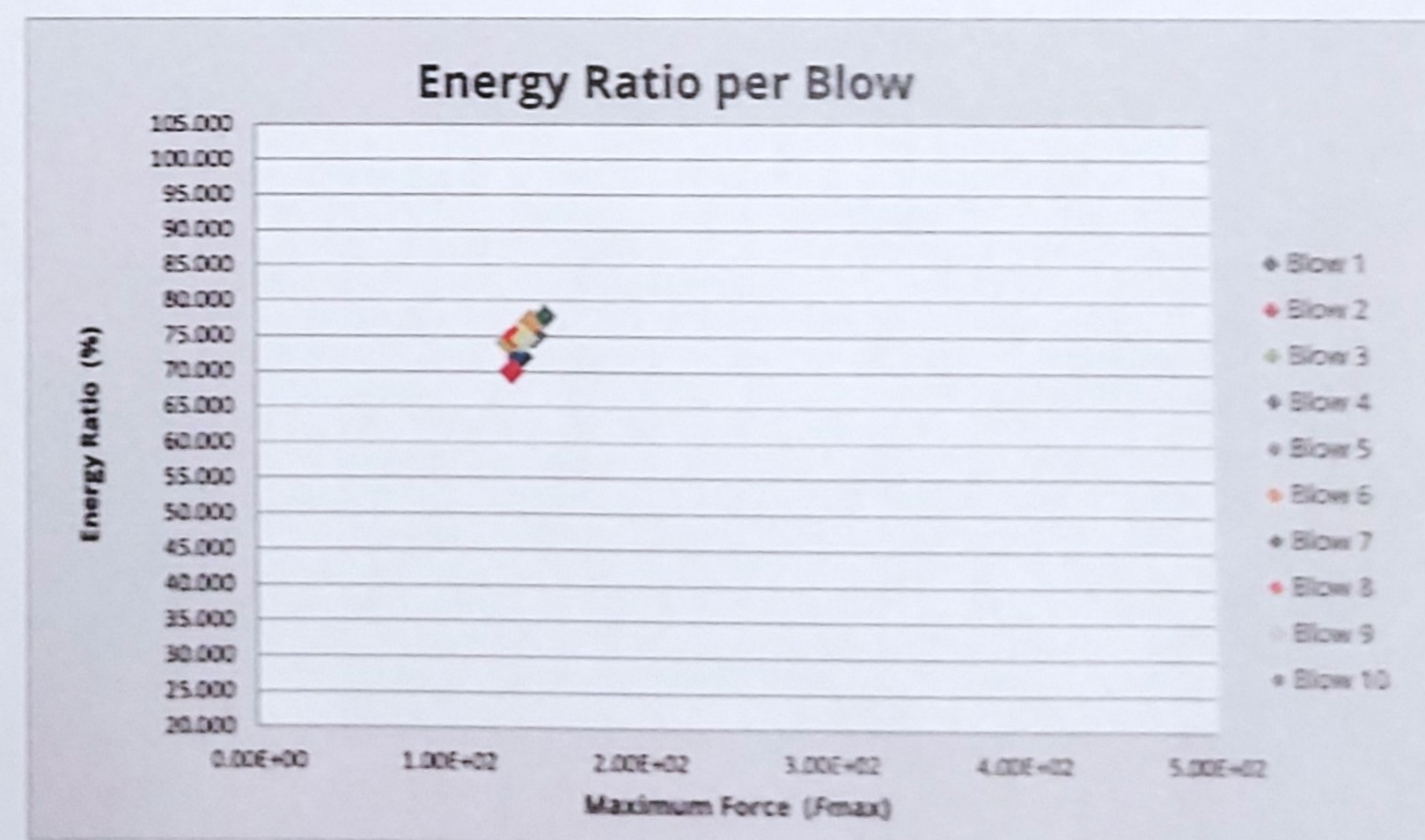
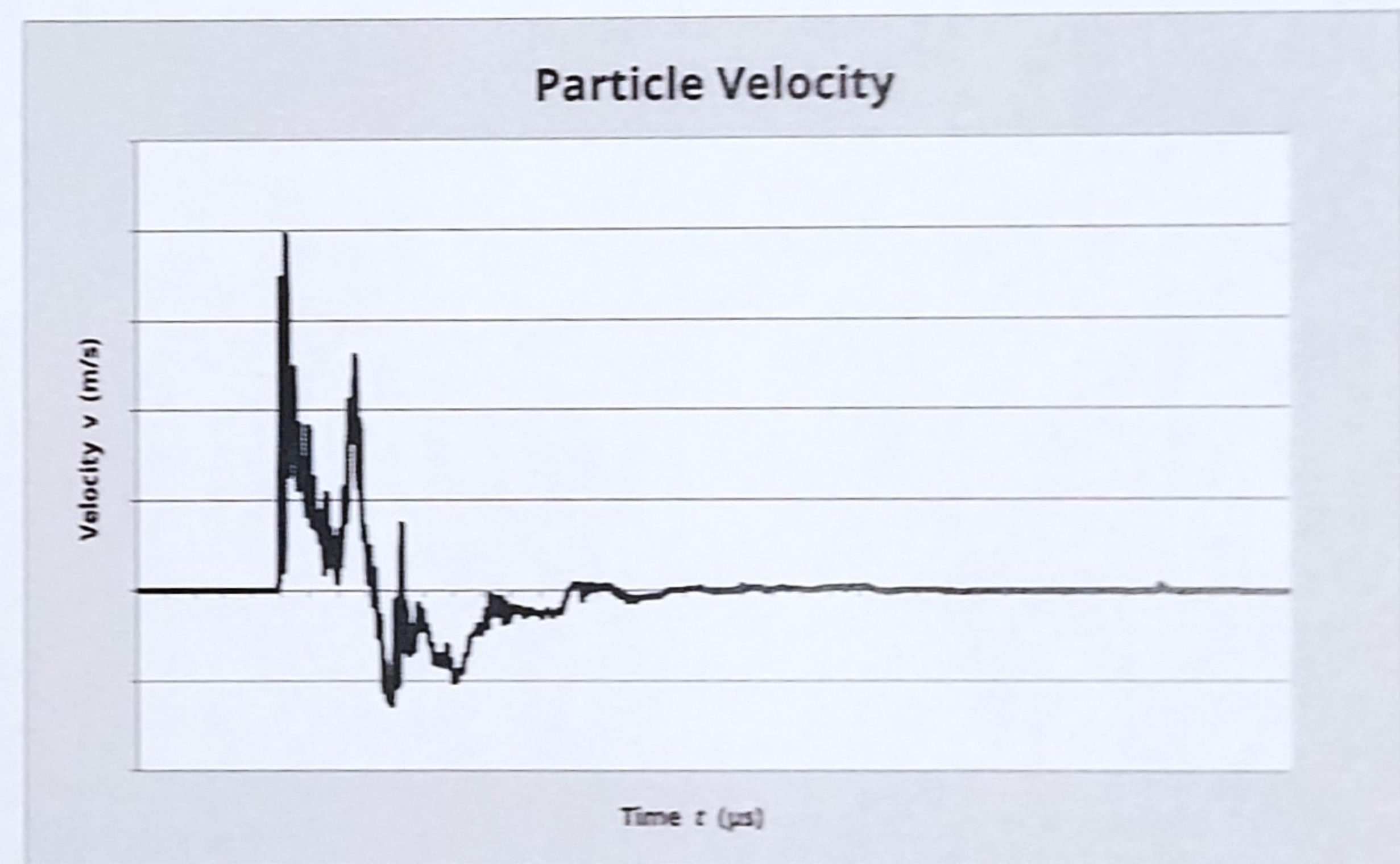
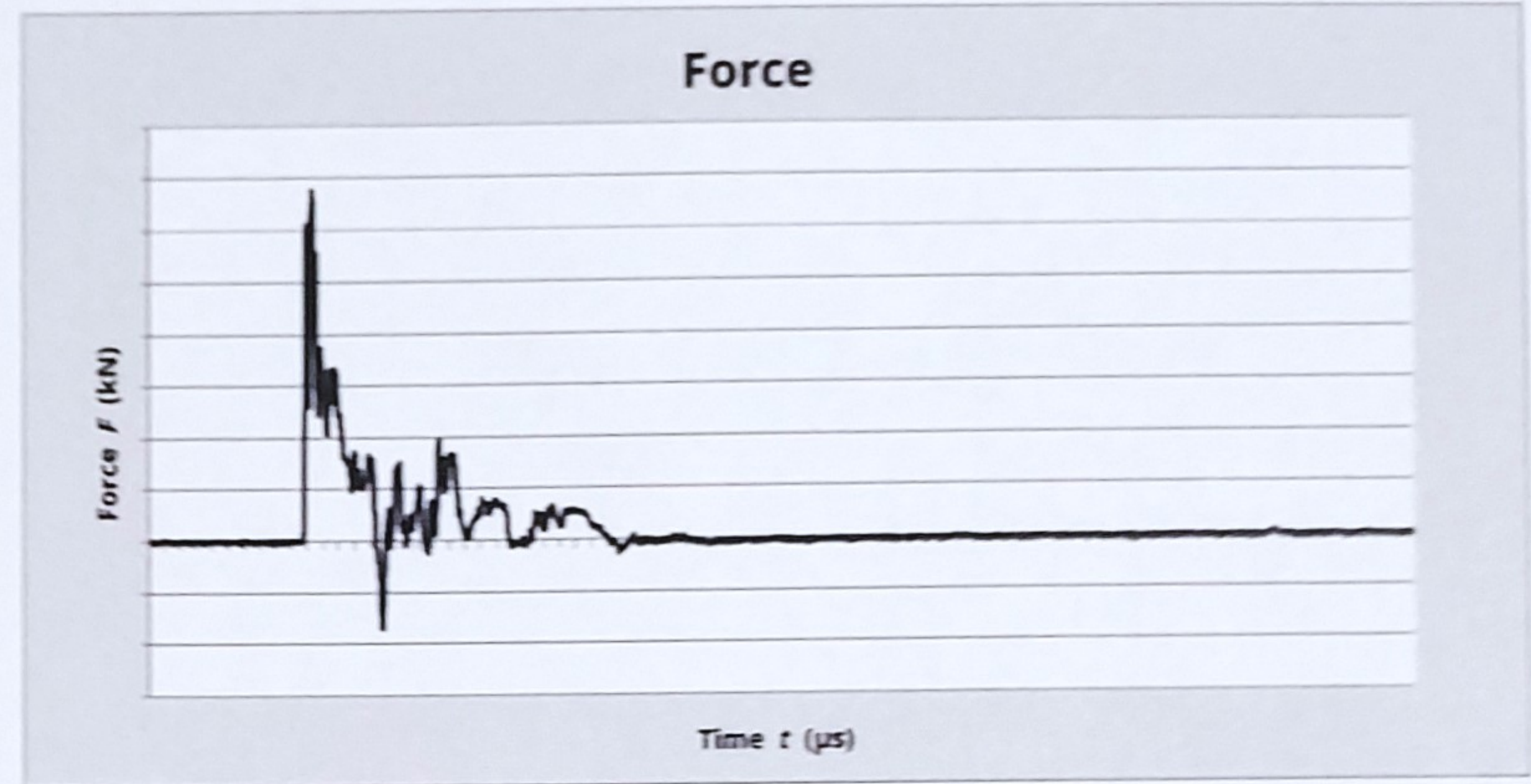
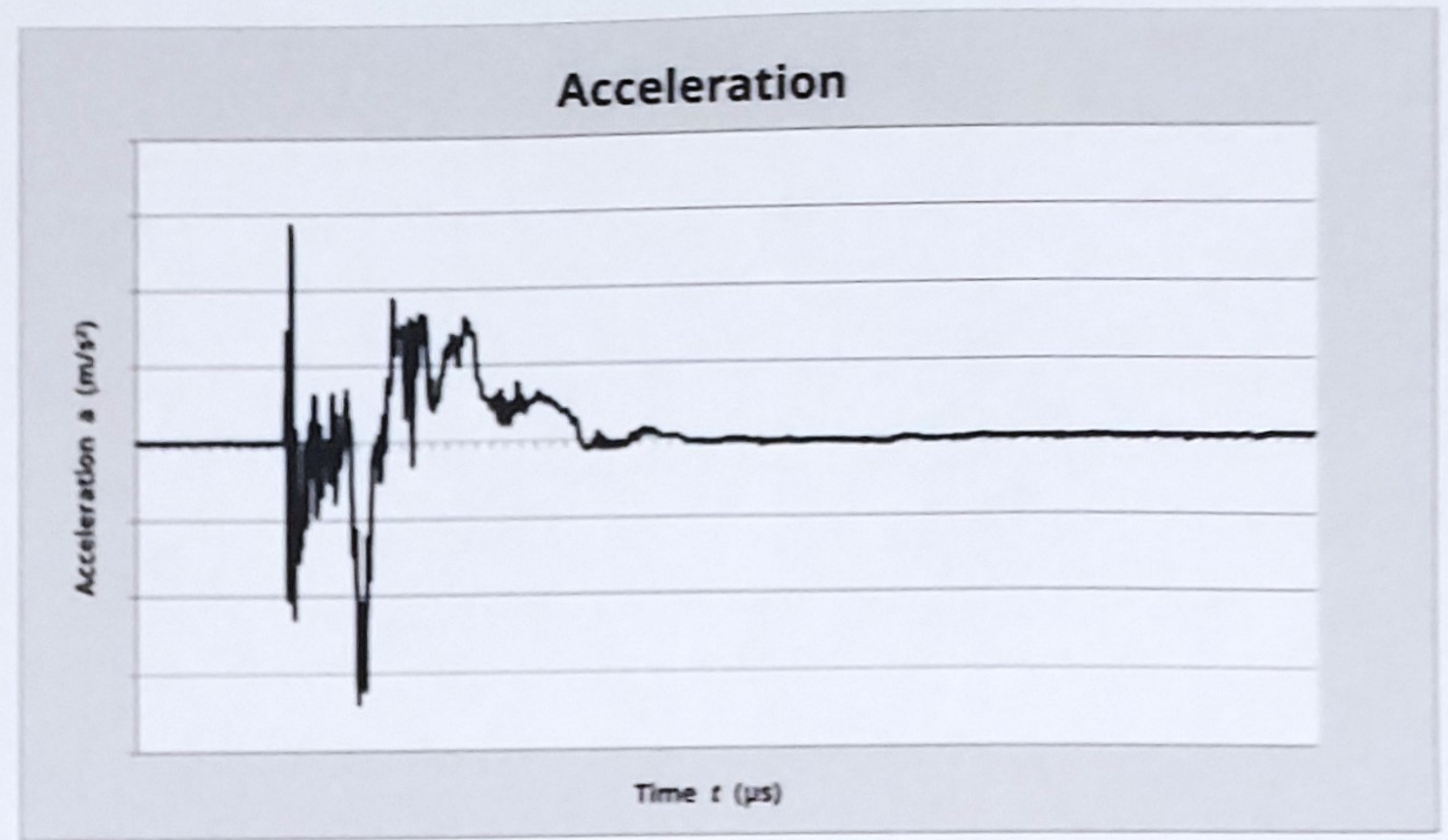
DATE OF TEST VALID UNTIL HAMMER ID

04/12/2023	03/12/2024	037
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$E_{meas} = 0.352\text{ kN-m}$

$E_{theor} = 0.473\text{ kN-m}$

Comments



Energy Ratio (Er) = $\frac{E_{meas}}{E_{theor}}$ = 74.44%

EQUIPE GROUP
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Equipe SPT Analyzer Operator

KS

Certificate prepared by

[Signature]

Certificate checked by

[Signature]

Certificate date

14/12/2023

13. THERMAL AND ELECTRICAL RESISTIVITY TESTING RESULTS

Site Name: Thorney Lane Phase 1 Due Diligence	Job No. 24/3980
Carried out For: Arup	Report Date: 24/09/2024

DETERMINATION OF IN-SITU THERMAL RESISTIVITY

Location	Date	Depth (m)	Strata	Temp (°C)	K [W/(m x k)]	R [(°C x m) /W]	Operator
BH24-03	12/08/2024	0.50	Loose, greyish brown slightly gravelly silty fine SAND.	28.1	0.5878	1.70	Peter Ogbebor
BH24-05	05/08/2024	0.50	Brown sandy GRAVEL	20.6	0.6121	1.63	Peter Ogbebor
BH24-07	05/08/2024	0.50	Loose brown gravelly fine to coarse SAND with occ metal fragments	20.6	0.1044	9.58	Peter Ogbebor
BH24-08	05/08/2024	0.50	Brownish grey mottled brown slightly gravelly sandy CLAY	19.7	0.0155	64.3	Peter Ogbebor
BH24-10	12/08/2024	0.50	Firm, dark grey locally greyish brown slightly sandy gravelly CLAY	24.3	-0.2610	-3.83	Peter Ogbebor
TR24-01	07/08/2024	0.50	Brown sandy GRAVEL	22.1	0.1305	7.66	Peter Ogbebor
TR24-02	07/08/2024	0.50	Brown sandy GRAVEL	21.0	0.1401	7.14	Peter Ogbebor
TR24-02a	07/08/2024	0.50	Brownish grey slightly gravelly sandy CLAY	21.6	-0.0078	-128	Peter Ogbebor
TR24-03	07/08/2024	0.50	Brown sandy GRAVEL	18.7	0.2675	3.74	Peter Ogbebor
TR24-04	07/08/2024	0.50	Brown sandy GRAVEL	20.4	0.1257	7.96	Peter Ogbebor
TR24-05	07/08/2024	0.50	Brown sandy GRAVEL	21.4	0.5828	1.72	Peter Ogbebor

Tested in accordance with ASTM D5334-14 Standard Test Method for Thermal Conductivity of Soil and Soft Rock by Thermal Needle Probe Procedure

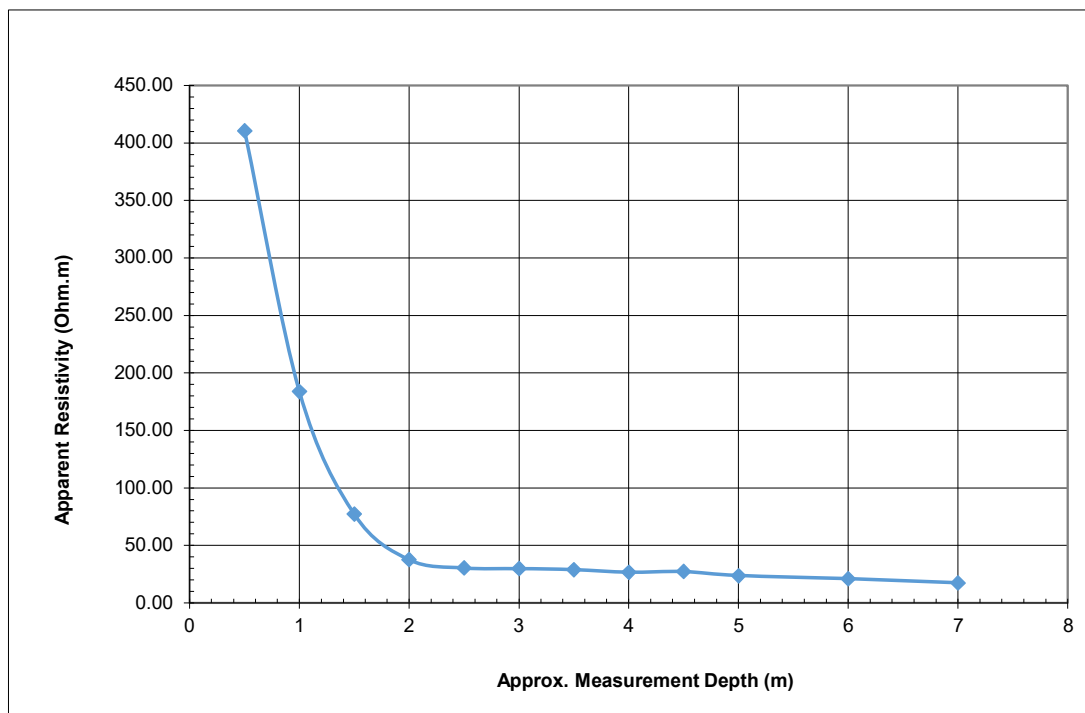
Checked and Approved by Daniel Freeland
Date 24/09/2024

Site Name:	Thorney Lane Phase 1 Due Diligence	Job No.	24/3980
Client	Arup	Report Date	24/09/2024

SOIL RESISTIVITY TESTING
Line 1

Centre Point	503033.99, 179961.79 31.75 mOD		
Surface	Soft landscaping		
Test Type:	Wenner 4 pole soil resistivity sounding		
System	Megger DET4TCR4		
Electrodes Driven Depth	100-120mm		
Operator	Peter Ogbemor		

Electrode "a" spacing (m)	Nominal test Depth (m)	Resistance (ohm)	Apparent Resistivity (ohm.m)
0.5	0.5	130.70	410.61
1	1.0	29.30	184.10
1.5	1.5	8.20	77.28
2	2.0	3.00	37.70
2.5	2.5	1.94	30.47
3	3.0	1.59	29.97
3.5	3.5	1.32	29.03
4	4.0	1.07	26.89
4.5	4.5	0.97	27.43
5	5.0	0.76	23.88
6	6.0	0.56	21.11
7	7.0	0.40	17.59



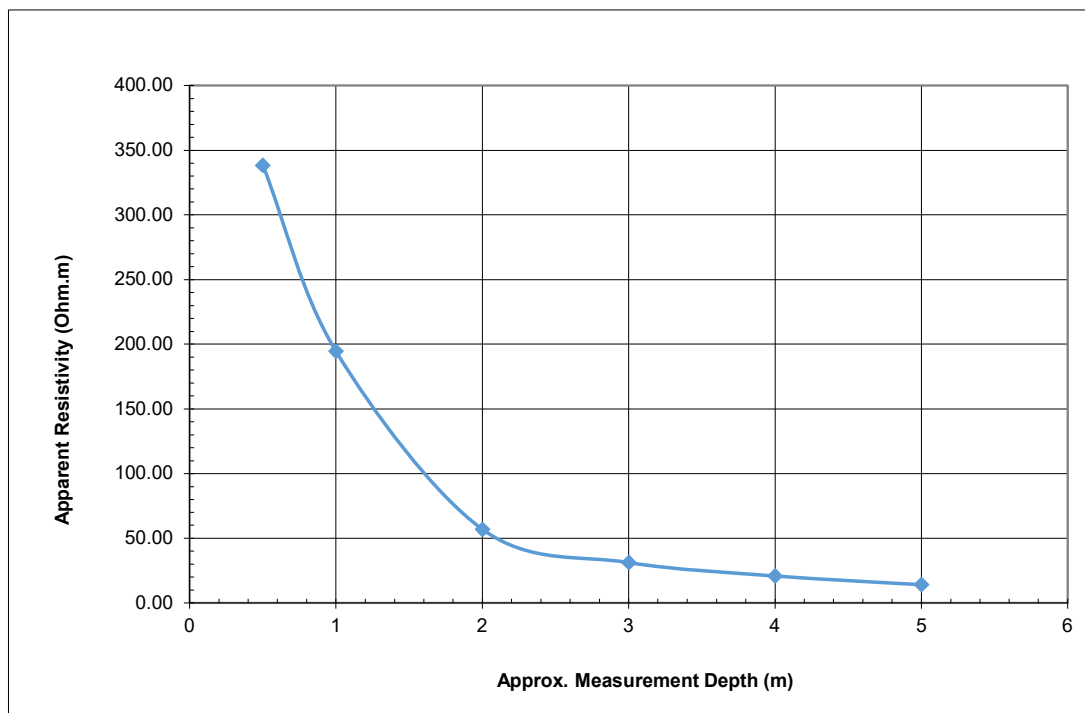
BS 7430-2011 and IEEE Standard 81 Part 1 – 2012	Checked and Approved
No water was added to the soil during the test. See site plan above for test location.	Initials: D. Freeland
Line 2 is a further test which was undertaken from the same centre point but perpendicular to this line (Line 1).	Date: 24/09/2024

Site Name:	Thorney Lane Phase 1 Due Diligence	Job No.	24/3980
Client	Arup	Report Date	24/09/2024

SOIL RESISTIVITY TESTING
Line 2

Centre Point	503033.99, 179961.79 31.75 mOD		
Surface	Soft landscaping		
Test Type:	Wenner 4 pole soil resistivity sounding		
System	Megger DET4TCR4		
Electrodes Driven Depth	100-120mm		
Operator	Peter Ogbemor		

Electrode "a" spacing (m)	Nominal test Depth (m)	Resistance (ohm)	Apparent Resistivity (ohm.m)
0.5	0.5	107.70	338.35
1.00	1.0	31.00	194.78
2.00	2.0	4.54	57.05
3.00	3.0	1.66	31.29
4.00	4.0	0.83	20.86
5.00	5.0	0.45	14.14




14. INSTRUMENTATION MONITORING RESULTS



Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	31/07/2024	Easting	502894.64	Ground Level (mOD)	Final Depth
	Date Completed	01/08/2024	Northing	180110.11	31.28	25.50 m
Client Arup						

INSTALLATION DETAILS							
Instrument Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
BH24-01-01	GMP	50	1.00	0.50	1.00	01/08/2024	


READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
BH24-01-01	08/08/2024 13:45:00	0.49	30.79	Concept	
BH24-01-01	09/08/2024 13:45:00	0.50	30.78	Concept	
BH24-01-01	13/08/2024 10:45:00	0.50	30.78	Concept	
BH24-01-01	15/08/2024 12:13:00	0.47	30.81	Concept	
BH24-01-01	30/08/2024 10:15:00	0.46	30.82	Concept	
BH24-01-01	09/09/2024 10:05:00	0.56	30.72	Concept	

ABBREVIATIONS KEY					
GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinator SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone					

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	26/07/2024	Easting	502966.95	Ground Level (mOD)	Final Depth
	Date Completed	31/07/2024	Northing	180122.64	31.57	15.00 m
Client Arup						

INSTALLATION DETAILS							
Instrument Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
BH24-02-01	GWMP	50	14.00	12.00	14.00	31/07/2024	


READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
BH24-02-01	08/08/2024 15:15:00	5.30	26.27	Concept	Developing
BH24-02-01	09/08/2024 15:15:00	5.30	26.27	Concept	
BH24-02-01	13/08/2024 09:45:00	3.78	27.79	Concept	
BH24-02-01	15/08/2024 16:45:00	Dry		Concept	
BH24-02-01	19/08/2024 10:45:00	2.65	28.92	Concept	
BH24-02-01	30/08/2024 10:45:00	2.07	29.50	Concept	
BH24-02-01	10/09/2024 10:30:00	0.60	30.97	Concept	

ABBREVIATIONS KEY					
GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinator SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone					

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	09/08/2024	Easting	503025.84	Ground Level (mOD)	Final Depth
	Date Completed	13/08/2024	Northing	180062.88	31.69	30.00 m
Client Arup						

INSTALLATION DETAILS							
Instrument Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
BH24-03-01	GMP	50	1.35	0.60	1.50	13/08/2024	

READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
BH24-03-01	19/08/2024 15:15:00	Dry		Concept	
BH24-03-01	30/08/2024 12:30:00	1.41	30.28	Concept	
BH24-03-01	04/09/2024 15:00:00	1.40	30.29	Concept	
BH24-03-01	10/09/2024 13:15:00	1.25	30.44	Concept	


ABBREVIATIONS KEY					
GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinator SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone					



Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	29/07/2024	Easting	502977.88	Ground Level (mOD)	Final Depth
	Date Completed	30/07/2024	Northing	180024.12	31.51	10.00 m
Client Arup						

INSTALLATION DETAILS							
Instrument Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
BH24-04A-01	GMP	50	3.00	1.00	3.00	29/07/2024	

READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
BH24-04A-01	08/08/2024 16:15:00	NA		Concept	No Access
BH24-04A-01	09/08/2024 16:15:00	NA		Concept	No Access
BH24-04A-01	13/08/2024 13:45:00	2.09	29.42	Concept	
BH24-04A-01	19/08/2024 11:15:00	2.14	29.37	Concept	
BH24-04A-01	30/08/2024 11:15:00	2.09	29.42	Concept	
BH24-04A-01	09/09/2024 11:43:00	2.03	29.48	Concept	


ABBREVIATIONS KEY					
GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinator SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone					

Issue: FINAL	Checked: FP	Approved: OS	Log Print Date: 23/10/2024
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Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	23/07/2024	Easting	502886.95	Ground Level (mOD)	Final Depth
	Date Completed	02/08/2024	Northing	179985.83	30.98	26.00 m
Client Arup						

INSTALLATION DETAILS							
Instrument Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
BH24-05-01	GMP	50	3.00	1.00	3.00	02/08/2024	

READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
BH24-05-01	08/08/2024 10:25:00	1.27	29.71	Concept	
BH24-05-01	09/08/2024 10:15:00	1.37	29.61	Concept	
BH24-05-01	13/08/2025 11:45:00	1.50	29.48	Concept	
BH24-05-01	19/08/2024 13:15:00	1.57	29.41	Concept	
BH24-05-01	27/08/2024 12:02:00	1.46	29.52	Concept	
BH24-05-01	04/09/2024 12:00:00	1.57	29.41	Concept	
BH24-05-01	10/09/2024 12:30:00	1.42	29.56	Concept	

ABBREVIATIONS KEY					
GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinator SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone					

Issue: FINAL	Checked: FP	Approved: OS	Log Print Date: 23/10/2024
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 E-mail: si@conceptsi.co.uk

Unit D, Herald way, Coventry, CV3 2RQ
 Telephone: 02477087673
 E-mail: coventry.office@conceptsi.co.uk

GROUNDWATER MONITORING



Borehole No
BH24-06

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	23/07/2024	Easting	502845.89	Ground Level (mOD)	Final Depth
	Date Completed	26/07/2024	Northing	179959.35	30.85	20.00 m
Client Arup						

INSTALLATION DETAILS							
Instrument Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
BH24-06 - 01	GMP	50	3.00	1.00	3.00	26/07/2024	

READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
BH24-06 - 01	08/08/2024 09:45:00	1.32	29.53	Concept	
BH24-06 - 01	09/08/2024 09:15:00	1.33	29.52	Concept	
BH24-06 - 01	13/08/2024 14:45:00	1.54	29.31	Concept	
BH24-06 - 01	19/08/2024 13:04:00	1.35	29.50	Concept	
BH24-06 - 01	27/08/2024 11:28:00	1.36	29.49	Concept	
BH24-06 - 01	04/09/2024 10:10:00	1.14	29.71	Concept	

ABBREVIATIONS KEY					
GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinator SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone					


Issue: FINAL	Checked: FP	Approved: OS	Log Print Date: 23/10/2024
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Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	31/07/2024	Easting	502968.25	Ground Level (mOD)	Final Depth
	Date Completed	09/08/2024	Northing	179961.59	31.00	33.00 m
Client Arup						

INSTALLATION DETAILS							
Insturment Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
BH24-07-01	GWMP	50	32.00	22.00	33.00	09/08/2024	


READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
BH24-07-01	13/08/2024 09:15:00	4.39	26.61	Concept	Developing
BH24-07-01	15/08/2024 15:25:00	1.62	29.38	Concept	
BH24-07-01	30/08/2024 12:00:00	1.63	29.37	Concept	
BH24-07-01	09/09/2024 12:15:00	1.48	29.52	Concept	

ABBREVIATIONS KEY					
GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinator SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone					

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	02/08/2024	Easting	503000.95	Ground Level (mOD)	Final Depth
	Date Completed	08/08/2024	Northing	179948.63	31.09	30.45 m
Client Arup						

INSTALLATION DETAILS							
Insturment Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
BH24-08-01	SPIE	19	8.80	7.00	9.00	08/08/2024	

READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
BH24-08-01	19/08/2024 09:45:00	1.98	29.11	Concept	
BH24-08-01	27/08/2024 14:13:00	1.51	29.58	Concept	

ABBREVIATIONS KEY					
GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinator SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone					


Issue: FINAL	Checked: FP	Approved: OS	Log Print Date: 23/10/2024
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Project Name <h2 style="text-align: center;">Thorney Lane Phase 1 Due Diligence</h2>						
Project No 24/3980	Date Started	22/07/2024	Easting	502847.96	Ground Level (mOD)	Final Depth
	Date Completed	25/07/2024	Northing	179915.06	30.71	20.00 m
Client Arup						

INSTALLATION DETAILS							
Instrument Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
BH24-09 - 01	GMP	50	3.00	1.00	3.00	25/07/2024	
BH24-09 - 02	SPIE	19	18.00	17.00	19.00	25/07/2024	

READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
BH24-09 - 01	08/08/2024 14:45:00	1.31	29.40	Concept	Developing
BH24-09 - 01	09/08/2024 14:45:00	1.30	29.41	Concept	
BH24-09 - 01	13/08/2024 16:15:00	1.53	29.18	Concept	
BH24-09 - 01	15/08/2024 13:50:00	1.30	29.41	Concept	
BH24-09 - 01	30/08/2024 09:15:00	1.36	29.35	Concept	
BH24-09 - 01	09/09/2024 12:45:00	1.38	29.33	Concept	No Access
BH24-09 - 02	30/08/2024 09:45:00	NA		Concept	


ABBREVIATIONS KEY					
GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinometer SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone					



Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	12/08/2024	Easting	503021.78	Ground Level (mOD)	Final Depth
	Date Completed	13/08/2024	Northing	179901.13	30.86	10.00 m
Client Arup						

INSTALLATION DETAILS							
Insturment Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
BH24-10-01	GMP	50	3.80	1.00	4.00	13/08/2024	

READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
BH24-10-01	15/08/2024 17:00:00	1.27	29.59	Concept	Developing
BH24-10-01	27/08/2024 15:14:00	1.21	29.65	Concept	
BH24-10-01	09/09/2024 16:30:00	1.25	29.61	Concept	


ABBREVIATIONS KEY					
GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinometer SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone					

Issue: FINAL	Checked: FP	Approved: OS	Log Print Date: 23/10/2024
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Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	30/07/2024	Easting	502856.04	Ground Level (mOD)	Final Depth
	Date Completed	31/07/2024	Northing	180105.85	31.60	5.00 m
Client Arup						

INSTALLATION DETAILS							
Instrument Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
DS24-01 - 01	GMP	50	3.00	1.00	3.00	31/07/2024	

READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
DS24-01 - 01	08/08/2024 14:15:00	2.80	28.80	Concept	
DS24-01 - 01	09/08/2024 14:15:00	2.79	28.81	Concept	
DS24-01 - 01	13/08/2024 10:15:00	2.72	28.88	Concept	
DS24-01 - 01	19/08/2024 11:45:00	2.30	29.30	Concept	
DS24-01 - 01	27/08/2024 13:00:00	1.37	30.23	Concept	
DS24-01 - 01	09/09/2024 09:55:00	0.96	30.64	Concept	

ABBREVIATIONS KEY					
GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinator SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone					


Issue: FINAL	Checked: FP	Approved: OS	Log Print Date: 23/10/2024
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Project Name <h2 style="text-align: center;">Thorney Lane Phase 1 Due Diligence</h2>						
Project No 24/3980	Date Started	01/08/2024	Easting	503042.01	Ground Level (mOD)	Final Depth
	Date Completed	02/08/2024	Northing	180155.62	32.63	1.25 m
Client Arup						

INSTALLATION DETAILS							
Insturment Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
DS24-02-01	GMP	50	1.25	0.50	1.25	02/08/2024	

READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
DS24-02-01	08/08/2024 10:45:00	Dry		Concept	No Access
DS24-02-01	09/08/2024 11:15:00	Dry		Concept	
DS24-02-01	13/08/2024 15:45:00	Dry		Concept	
DS24-02-01	30/08/2024 16:00:00	NA		Concept	
DS24-02-01	10/09/2024 09:52:00	Dry		Concept	

ABBREVIATIONS KEY					
GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinator SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone					



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GROUNDWATER MONITORING



Borehole No
DS24-03

Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	30/07/2024	Easting	502824.96	Ground Level (mOD)	Final Depth
	Date Completed	30/07/2024	Northing	180020.02	31.03	5.00 m
Client Arup						

INSTALLATION DETAILS							
Instrument Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
DS24-03 - 01	GMP	50	3.00	1.00	3.00	30/07/2024	

READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
DS24-03 - 01	08/08/2026 00:00:00	1.06	29.97	Concept	
DS24-03 - 01	09/08/2024 09:45:00	1.05	29.98	Concept	
DS24-03 - 01	13/08/2024 15:15:00	1.12	29.91	Concept	
DS24-03 - 01	19/08/2024 10:15:00	1.16	29.87	Concept	
DS24-03 - 01	27/08/2024 10:55:00	1.15	29.88	Concept	
DS24-03 - 01	04/09/2024 11:14:00	1.20	29.83	Concept	

ABBREVIATIONS KEY					
GMP – Gas Monitoring Point					
GWMP – Groundwater Monitoring Point					
ICM – Inclinator					
SPIE – Standpipe Piezometer					
SP – Standpipe					
WDED - Depth to water from LOCA_ID datum					
RZ – Response Zone					


Issue: FINAL	Checked: FP	Approved: OS	Log Print Date: 23/10/2024
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Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	31/07/2024	Easting	502917.95	Ground Level (mOD)	Final Depth
	Date Completed	31/07/2024	Northing	180032.29	31.06	5.00 m
Client Arup						

INSTALLATION DETAILS							
Instrument Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
DS24-04-01	GMP	50	3.00	1.00	3.00	31/07/2024	

READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
DS24-04-01	08/08/2024 15:45:00	NA		Concept	No Access
DS24-04-01	09/08/2024 15:45:00	NA		Concept	No Access
DS24-04-01	13/08/2024 13:15:00	1.08	29.98	Concept	
DS24-04-01	19/08/2024 09:15:00	1.43	29.63	Concept	
DS24-04-01	30/08/2024 11:45:00	1.40	29.66	Concept	
DS24-04-01	09/09/2024 11:00:00	1.30	29.76	Concept	


ABBREVIATIONS KEY					
GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinator SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone					



Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	31/07/2024	Easting	503065.84	Ground Level (mOD)	Final Depth
	Date Completed	01/08/2024	Northing	180008.78	31.55	5.00 m
Client Arup						

INSTALLATION DETAILS							
Instrument Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
DS24-05-01	GMP	50	3.00	0.70	3.00	01/08/2024	

READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
DS24-05-01	08/08/2024 13:15:00	1.25	30.30	Concept	
DS24-05-01	09/08/2024 13:15:00	1.24	30.31	Concept	
DS24-05-01	13/08/2024 16:45:00	1.50	30.05	Concept	
DS24-05-01	19/08/2024 15:15:00	1.30	30.25	Concept	
DS24-05-01	30/08/2024 15:00:00	1.26	30.29	Concept	
DS24-05-01	04/09/2024 14:04:00	1.29	30.26	Concept	


ABBREVIATIONS KEY					
GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinator SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone					



Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	01/08/2024	Easting	503012.95	Ground Level (mOD)	Final Depth
	Date Completed	01/08/2024	Northing	180115.16	31.66	5.00 m
Client Arup						

INSTALLATION DETAILS							
Insturment Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
DS24-07 - 01	GMP	50	1.60	0.75	1.60	01/08/2024	

READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
DS24-07 - 01	08/08/2024 11:45:00	0.95	30.71	Concept	No Access
DS24-07 - 01	09/08/2024 10:45:00	NA		Concept	
DS24-07 - 01	13/08/2024 11:15:00	0.80	30.86	Concept	
DS24-07 - 01	27/08/2024 14:30:00	0.94	30.72	Concept	
DS24-07 - 01	10/09/2024 10:15:00	0.91	30.75	Concept	


<p>ABBREVIATIONS KEY</p> <p>GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinometer SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone</p>	
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Project Name Thorney Lane Phase 1 Due Diligence						
Project No 24/3980	Date Started	02/08/2024	Easting	503018.14	Ground Level (mOD)	Final Depth
	Date Completed	02/08/2024	Northing	180149.85	31.86	5.00 m
Client Arup						

INSTALLATION DETAILS							
Instrument Reference	Instrument Type	Instrument Diameter (mm)	Instrument Depth (m)	Top RZ (m)	Base RZ (m)	Date of Installation	Remarks
DS24-08 - 01	GMP	50	2.25	1.00	2.30	02/08/2024	

READINGS					
Instrument Reference	Date & Time	Water Level (mbgl)	Water Level (mOD)	Contractor	Remarks
DS24-08 - 01	08/08/2024 11:15:00	1.40	30.46	Concept	
DS24-08 - 01	09/08/2024 11:45:00	1.40	30.46	Concept	
DS24-08 - 01	13/08/2024 14:15:00	1.53	30.33	Concept	
DS24-08 - 01	19/08/2024 14:15:00	1.45	30.41	Concept	
DS24-08 - 01	30/08/2024 15:30:00	1.35	30.51	Concept	

ABBREVIATIONS KEY					
GMP – Gas Monitoring Point GWMP – Groundwater Monitoring Point ICM – Inclinator SPIE – Standpipe Piezometer SP – Standpipe WDED - Depth to water from LOCA_ID datum RZ – Response Zone					

Issue: FINAL	Checked: FP	Approved: OS	Log Print Date: 23/10/2024
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Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	JK + BO		
Date:	15.08.2024	Job Number:	24/3980	Time:	12:12

METEOROLOGICAL AND SITE INFORMATION						
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet
Wind:	<input type="checkbox"/>	Calm	<input checked="" type="checkbox"/>	Light	<input type="checkbox"/>	Moderate
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate
Barometric pressure (mb) Before:	<input type="text" value="1011"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text"/>	Temperature (°C)
						<input type="text" value="22"/>

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	<input type="text" value="2"/>	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments
		Time (s)	dP (Pa)	Flow (l/h)									
BH24-01	0.47				5	0.0	0.0	0.0	20.0	0.0	24.0		Short
					30	0.0	0.0	0.0	19.6	0.0	10.0		
Base (m)	1.01				60	0.0	0.0	0.0	16.6	0.0	0.0		Long
					30								
					60								Well flooded, could not obtain further gas readings.
					30								
					60								
					90								
					120								
					150								
					180								
					210								
					240								
					300								
					270								
					360								
					420								
					480								
					540								
					600								
					5								Short
					30								
					60								
					5								Long
					30								
					60								

Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	19.08.2024	Job Number:	24/3980	Time:	10:30

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1012"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1012"/>	Temperature (°C)	<input type="text" value="18"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments				
		Time (s)	dP (Pa)	Flow (l/h)													
BH24-03	Dry				5	0.0	0.0	3.0	13.3	0.0	0.0	0.8	Short				
					30	0.0	0.0	3.7	8.3	0.0	0.0	0.9					
Base (m)	1.45				60	0.0	0.0	4.3	6.5	0.0	0.0	0.9	Circulation				
					30	0.0	0.0	5	0.0	0.0	4.7	5.5		0.0	0.0	0.6	Long
					60	0.0	0.0	30	0.0	0.0	4.5	4.0		0.0	0.0	0.7	
					90			60	0.0	0.0	5.2	3.4		0.0	0.0	0.7	
					120			60	0.0	0.0	6.2	2.7		0.0	0.0		
					150			120	0.0	0.0	6.2	2.6		0.0	0.0		
					180			180	0.0	0.0	6.2	2.6		0.0	0.0		
					210			240	0.0	0.0	6.2	2.6		0.0	0.0		
					240			300									
					270			360									
					300			420									
					360			480									
					420			540									
					480			600									
								540				6.4		3.0	0.0	0.0	0.2
			600				6.7	2.1	0.0	0.0	0.2						
			60				7.0	1.3	0.0	0.0	0.2						
			5				6.1	3.0	0.0	0.0	0.3	Long					
			30				6.3	2.6	0.0	0.0	0.4						
			60				6.3	2.5	0.0	0.0	0.4						

Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	19.08.2024	Job Number:	24/3980	Time:	12:05

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1013"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1013"/>	Temperature (°C)	<input type="text" value="23"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments	
		Time (s)	dP (Pa)	Flow (l/h)										
BH24-04A	2.14				5	0.0	0.0	2.1	14.8	0.0	0.0	1.1	Short	
					30	0.0	0.0	2.2	13.7	0.0	0.0	1.2		
Base (m)	2.95				60	0.0	0.0	2.2	13.5	0.0	0.0	1.2	Circulation	
					5	0.0	0.0	1.5	16.3	0.0	0.0	0.5		Long
					30	0.0	0.0	1.3	16.1	0.0	0.0	0.5		
					60	0.0	0.0	1.1	16.1	0.0	0.0	0.5		
					90			1.4	15.6	0.0	0.0			
					120			1.6	14.7	0.0	0.0			
					150			1.7	14.4	0.0	0.0			
					180			1.7	14.4	0.0	0.0			
					210									
					240									
					270									
					300									
					360									
					420									
					480									
540				5	0.0	0.0	1.7	16.0	0.0	0.0	0.6	Short		
600				30	0.0	0.0	1.6	15.4	0.0	0.0	0.7			
				60	0.0	0.0	1.5	15.3	0.0	0.0	0.7			
				5	0.0	0.0	1.4	19.7	0.0	0.0	0.2	Long		
				30	0.0	0.0	0.7	19.2	0.0	0.0	0.2			
				60	0.0	0.0	0.6	19.1	0.0	0.0	0.2			

Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	19.08.2024	Job Number:	24/3980	Time:	15:15

METEOROLOGICAL AND SITE INFORMATION								
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required	
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		Ground Level
Cloud cover:	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy		Overcast
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		Heavy
Barometric pressure (mb) Before:	<input type="text" value="1013"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1013"/>	Temperature (°C)	<input type="text" value="21"/>	

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments				
		Time (s)	dP (Pa)	Flow (l/h)													
BH24-05	1.57				5	0.0	0.0	0.7	18.4	0.0	0.0	0.1	Short				
					30	0.0	0.0	0.7	18.6	0.0	0.0	0.0					
Base (m)	2.93				60	0.0	0.0	0.6	18.8	0.0	0.0	0.0	Circulation				
					30	0.0	0.0	5	0.0	0.0	0.1	23.7		0.0	0.0	1.6	Long
					60	0.0	0.0	30	0.0	0.0	0.0	22.2		0.0	0.0	0.9	
					90	0.0	0.0	60	0.0	0.0	0.0	22.0		0.0	0.0	0.8	
					120	0.0	0.0	60	0.0	0.0	0.0	20.5		0.0	0.0		
					150	0.0	0.0	120	0.0	0.0	0.0	17.3		0.0	0.0		
					180	0.0	0.0	180	0.0	0.0	0.0	16.6		0.0	0.0		
					210	0.0	0.0	240	0.0	0.0	0.0	16.6		0.0	0.0		
					240	0.0	0.0	300	0.0	0.0	0.0	16.6		0.0	0.0		
					270			360									
					300			420									
					360			480									
					420			540									
					480			600									
										5	0.0	0.0		0.0	15.0	0.0	0.0
30	0.0	0.0	0.0	15.2						0.0	0.0	0.0					
60	0.0	0.0	0.0	15.3						0.0	0.0	0.0					
					5	0.0	0.0	0.0	15.4	0.0	0.0	1.1	Long				
					30	0.0	0.0	0.0	15.4	0.0	0.0	0.7					
					60	0.0	0.0	0.0	15.8	0.0	0.0	0.7					

KEY
 aP: Atmospheric Pressure NR: Not Recorded Note: Where 0.0 is shown on the results indicates value lower than the detection limit of the instrument.
 dP: Differential Pressure OR: Out of Range

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Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	19.08.2024	Job Number:	24/3980	Time:	09:25

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1013"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1013"/>	Temperature (°C)	<input type="text" value="23"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments
		Time (s)	dP (Pa)	Flow (l/h)									
BH24-06	1.35				5	0.0	0.0	0.7	15.8	0.0	0.0	2.0	Short
					30	0.0	0.0	0.7	15.4	0.0	0.0	2.2	
Base (m)	2.75				0	0.0	0.0	0.7	15.3	0.0	0.0	2.3	Long
					30	0.0	0.0	0.7	17.0	0.0	0.0	2.6	
					60	0.0	0.0	0.8	15.5	0.0	0.0	1.6	
					90	0.0	0.0	0.8	15.0	0.0	0.0	0.9	
					120	0.0	0.0	0.8	14.9	0.0	0.0		
					150	0.0	0.0	0.8	14.6	0.0	0.0		
					180	0.0	0.0	0.8	14.6	0.0	0.0		
					210	0.0	0.0	0.8	14.7	0.0	0.0		
					240	0.0	0.0	0.8	14.7	0.0	0.0		
					270	0.0	0.0	0.8	14.7	0.0	0.0		
					300								
					360								
					420								
					480								
					540								
					600								
					5	0.0	0.0			0.0	0.0	1.7	Short
					30	0.0	0.0			0.0	0.0	1.8	
					60	0.0	0.0			0.0	0.0	1.8	
					5	0.0	0.0			0.0	0.0	0.5	Long
					30	0.0	0.0			0.0	0.0	0.4	
					60	0.0	0.0			0.0	0.0	0.4	

KEY
 aP: Atmospheric Pressure NR: Not Recorded Note: Where 0.0 is shown on the results indicates value lower than the detection limit of the instrument.
 dP: Differential Pressure OR: Out of Range

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Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	19.08.2024	Job Number:	24/3980	Time:	13:42

METEOROLOGICAL AND SITE INFORMATION								
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level	
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		Strong
Cloud cover:	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy		Overcast
Precipitation	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		Heavy
Barometric pressure (mb) Before:	<input type="text" value="1013"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1013"/>	Temperature (°C)	<input type="text" value="23"/>	

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments
		Time (s)	dP (Pa)	Flow (l/h)									
BH24-10	1.27				5	1.3	31.2	0.7	4.8	0.0	0.0	4.3	Short
					30	1.2	28.8	0.6	3.2	0.0	0.0	5.5	
Base (m)	3.77				60	1.2	24.3	0.6	3.0	0.0	0.0	6.2	Long
					30	0.0	0.0	5	1.4	23.7	0.7	2.1	
					60	1.5	36.6	0.7	1.9	0.0	0.0	8.2	
					90	1.6	37.6	0.7	1.9	0.0	0.0	8.6	
					120	1.6	36.3	0.7	2.0	0.0	0.0		
					150	1.5	34.9	0.7	2.1	0.0	0.0		
					180	1.5	34.5	0.6	2.2	0.0	0.0		
					210	1.5	34.5	0.6	2.2	0.0	0.0		
					240	1.5	34.5	0.6	2.2	0.0	0.0		
					270								
					300								
					360								
					420								
					480								
					540								
					600								
					5	1.6	35.7	0.7	2.9	0.0	0.0	6.8	Short
					30	1.5	34.2	0.6	2.4	0.0	0.0	7.1	
					60	1.5	34.2	0.6	2.3	0.0	0.0	7.3	
					5	1.4	35.9	0.6	2.5	0.0	0.0	8.5	Long
					30	1.6	37.9	0.7	2.1	0.0	0.0	9.1	
					60	1.6	38.2	0.7	1.9	0.0	0.0	9.3	

KEY
 aP: Atmospheric Pressure NR: Not Recorded Note: Where 0.0 is shown on the results indicates value lower than the detection limit of the instrument.
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Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	19.08.2024	Job Number:	24/3980	Time:	12:25

METEOROLOGICAL AND SITE INFORMATION							
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate	
Cloud cover:	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy	Overcast
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1011"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1011"/>	Temperature (°C)	<input type="text" value="22"/>

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments				
		Time (s)	dP (Pa)	Flow (l/h)													
DS24-01	2.30				5	0.0	0.0	0.9	15.1	0.0	0.0	0.9	Short				
					30	0.0	0.0	1.2	12.4	0.0	0.0	1.0					
Base (m)	2.92				0	0.0	0.0	1.2	11.9	0.0	0.0	1.0	Circulation				
					30	0.0	0.0	5	0.0	0.0	1.5	13.1		0.0	0.0	0.3	Long
					60	0.0	0.0	30	0.0	0.0	1.6	11.6		0.0	0.0	0.2	
					90			60	0.0	0.0	1.7	11.2		0.0	0.0	0.2	
					120			60	0.0	0.0	1.6	11.2		0.0	0.0		
					150			120	0.0	0.0	1.6	11.0		0.0	0.0		
					180			180	0.0	0.0	1.6	11.0		0.0	0.0		
					210			240	0.0	0.0	1.6	11.0		0.0	0.0		
					240			300									
					270			360									
					300			420									
					360			480									
					420			540									
					480			600									
					5	0.0	0.0	1.4	13.2	0.0	0.0	0.4	Short				
					30	0.0	0.0	1.5	11.5	0.0	0.0	0.5					
					60	0.0	0.0	1.5	11.3	0.0	0.0	0.5					
					5	0.0	0.0	1.5	12.4	0.0	0.0	0.2		Long			
30	0.0	0.0	1.6	11.1	0.0	0.0	0.2										
				60	0.0	0.0	1.6	11.0	0.0	0.0	0.2						

Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	19.08.2024	Job Number:	24/3980	Time:	10:55

METEOROLOGICAL AND SITE INFORMATION								
State of ground:	<input type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required	
Wind:	<input type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		Ground Level
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy		Overcast
Precipitation	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		Heavy
Barometric pressure (mb) Before:	<input type="text" value="1012"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1012"/>	Temperature (°C)	<input type="text" value="18"/>	

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments							
		Time (s)	dP (Pa)	Flow (l/h)																
DS24-02	Dry				5	0.0	0.0	4.9	16.5	0.0	0.0	0.2	Short							
					30	0.0	0.0	5.7	13.7	0.0	0.0	0.2								
Base (m)	1.22				0	0.0	0.0	5.6	13.7	0.0	0.0	0.2	Circulation							
					30	0.0	0.0	5	0.0	0.0	5.9	15.3		0.0	0.0	0.0	Long			
					60	0.0	0.0	30	0.0	0.0	6.1	13.8		0.0	0.0	0.0				
					90			60	0.0	0.0	6.2	13.3		0.0	0.0	0.0				
					120			60	0.0	0.0	6.1	13.3		0.0	0.0	0.0				
					150			120	0.0	0.0	6.1	13.3		0.0	0.0	0.0				
					180			180	0.0	0.0	6.1	13.3		0.0	0.0	0.0				
					210			240												
					240			300												
					270			360												
300			420																	
360			480																	
420			540																	
480			600																	
			540									5	0.0	0.0	5.8	15.2	0.0	0.0	0.1	Short
			600									30	0.0	0.0	5.9	13.8	0.0	0.0	0.1	
												60	0.0	0.0	5.9	13.6	0.0	0.0	0.1	
												5	0.0	0.0	5.9	16.0	0.0	0.0	0.0	Long
												30	0.0	0.0	6.1	13.7	0.0	0.0	0.0	
												60	0.0	0.0	6.1	13.4	0.0	0.0	0.0	

Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	19.08.2024	Job Number:	24/3980	Time:	14:30

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1013"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1013"/>	Temperature (°C)	<input type="text" value="23"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments
		Time (s)	dP (Pa)	Flow (l/h)									
DS24-03	1.16				5	1.1	27.6	3.5	17.0	0.0	0.0	4.0	Short
					30	1.2	29.4	4.1	14.3	0.0	0.0	4.2	
Base (m)	2.97				60	1.2	29.4	4.1	13.8	0.0	0.0	4.0	Long
					30	0.0	0.0	5	1.2	29.4	3.7	14.1	
					60	1.2	29.4	3.7	11.0	0.0	0.0	2.4	
					90			3.6	9.0	0.0	0.0	2.3	
					120	0.5	13.8	3.7	10.8	0.0	0.0	Circulation	
					150	0.5	13.2	3.6	11.0	0.0	0.0		
					180	0.4	12.5	3.4	11.2	0.0	0.0		
					210	0.3	8.5	3.4	11.3	0.0	0.0		
					240	0.3	8.5	3.3	11.4	0.0	0.0		
					270	0.3	7.2	3.3	11.4	0.0	0.0		
					300	0.2	7.2	3.2	11.6	0.0	0.0		
					360	0.2	6.9	3.2	11.6	0.0	0.0		
					420	0.2	4.0	3.2	11.7	0.0	0.0		
					480	0.1	3.9	3.2	11.7	0.0	0.0		
					540	0.0	6.0	3.1	14.3	0.0	0.0	2.0	Short
					600	0.2	3.9	3.2	12.3	0.0	0.0	2.2	
					60	0.1	3.9	3.2	12.0	0.0	0.0	2.3	
					5	0.0	0.0	0.7	17.6	0.0	0.0	0.1	Long
					30	0.0	0.0	0.7	18.3	0.0	0.0	0.1	
					60	0.0	0.0	0.7	18.3	0.0	0.0	0.1	

KEY
 aP: Atmospheric Pressure NR: Not Recorded Note: Where 0.0 is shown on the results indicates value lower than the detection limit of the instrument.
 dP: Differential Pressure OR: Out of Range
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Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	19.08.2024	Job Number:	24/3980	Time:	11:30

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1013"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1013"/>	Temperature (°C)	<input type="text" value="19"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments				
		Time (s)	dP (Pa)	Flow (l/h)													
DS24-05	1.30				5	0.0	0.0	2.7	16.1	0.0	0.0	0.0	Short				
					30	0.0	0.0	3.1	14.1	0.0	0.0	0.0					
Base (m)	2.90				60	0.0	0.0	3.1	13.8	0.0	0.0	0.0	Circulation				
					30	0.0	0.0	5	0.0	0.0	3.2	15.4		0.0	0.0	0.1	Long
					60	0.0	0.0	30	0.0	0.0	3.6	13.2		0.0	0.0	0.1	
					90			60	0.0	0.0	3.4	12.9		0.0	0.0	0.1	
					120			60	0.0	0.0	3.3	13.1		0.0	0.0		
					150			120	0.0	0.0	3.3	13.2		0.0	0.0		
					180			180	0.0	0.0	3.3	13.2		0.0	0.0		
					210			240	0.0	0.0	3.3	13.1		0.0	0.0		
					240			300	0.0	0.0	3.3	13.2		0.0	0.0		
					270			360	0.0	0.0	3.3	13.2		0.0	0.0		
					300			420	0.0	0.0	3.3	13.2		0.0	0.0		
					360			480									
					420			540									
					480			600									
								540							0.0	0.0	0.2
			600						0.0	0.0	0.2						
			60						0.0	0.0	0.3						
			5						0.0	0.0	0.1	Long					
			30						0.0	0.0	0.1						
			60						0.0	0.0	0.1						

KEY
 aP: Atmospheric Pressure NR: Not Recorded Note: Where 0.0 is shown on the results indicates value lower than the detection limit of the instrument.
 dP: Differential Pressure OR: Out of Range

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Gas Monitoring Results

JOB DETAILS										
Location:	Thorney Lane			Engineer:	IJ + EP					
Date:	30.08.2024	Job Number:	24/3980	Time:	11:20					
METEOROLOGICAL AND SITE INFORMATION										
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet				Delete As Required
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate	<input type="checkbox"/>	Strong	Ground Level	
Cloud cover:	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy	<input type="checkbox"/>	Overcast		
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate	<input type="checkbox"/>	Heavy		
Barometric pressure (mb) Before:	1020		Temperature (°)				19			

INSTRUMENTATION USED										
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%					# 1	# 2	# 3	<input checked="" type="checkbox"/>	Tick Instrument used

BH (No.)	Depth to GW: (m)	aP After (mb)	dp (Pa)	Flow rate (l/h)	Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S(ppm)	CO (ppm)	Comments
BH24-01	0.46	0	0.0	0.0	0	0.0	0.0	0.0	21.3	0.0	0.0	
		0	0.0	0.0	30	0.0	0.0	0.0	18.2	0.0	0.0	
Base (m)	1.00	0	0.0	0.0	60	0.0	0.0	0.0	18.4	0.0	0.0	
					90	0.0	0.0	0.0	17.2	0.0	0.0	
					120	0.0	0.0	0.0	13.7	0.0	0.0	
					150	0.0	0.0	0.0	11.6	0.0	0.0	
					180	0.0	0.0	0.0	9.8	0.0	0.0	
					210	0.0	0.0	0.0	8.9	0.0	0.0	
					240	0.0	0.0	0.0	8.7	0.0	0.0	
					270	0.0	0.0	0.0	9.0	0.0	0.0	
					300	0.0	0.0	0.0	9.1	0.0	0.0	
					PID (ppm)							
				5	1.8							
				15	2.1							
				30	2.0							
				45	1.9							
				60	1.9							
				75	1.8							
				90	1.8							
				105	1.8							
				120	1.8							

KEY

aP: Atmospheric Pressure
dp: Differential Pressure

NR: Not Recorded

Note: Where 0.0 is shown on the results indicates value lower than the detection limit of the instrument.

Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + EP		
Date:	30.08.2024	Job Number:	24/3980	Time:	14:30

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1016"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1016"/>	Temperature (°C)	<input type="text" value="19"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments
		Time (s)	dP (Pa)	Flow (l/h)									
BH24-03	1.41				5	0.0	0.0	13.7	3.2	0.0	0.0	0.8	Short
					30	0.0	0.0	10.6	4.4	0.0	0.0	0.9	
Base (m)	1.48				60	0.0	0.0	8.8	4.7	0.0	0.0	0.9	Long
					30	0.0	0.0	4.2	12.0	0.0	0.0	0.4	
					60	0.0	0.0	5.0	9.5	0.0	0.0	0.2	
					90	0.0	0.0	5.2	8.2	0.0	0.0	0.2	
					120	0.0	0.0	5.0	8.2	0.0	0.0	0.2	
					150	0.0	0.0	5.0	8.1	0.0	0.0	0.2	
					180	0.0	0.0	5.0	8.1	0.0	0.0	0.2	
					210	0.0	0.0	4.9	8.2	0.0	0.0	0.2	
					240	0.0	0.0	4.9	8.3	0.0	0.0	0.2	
					270	0.0	0.0	4.8	8.3	0.0	0.0	0.2	
					300	0.0	0.0	4.8	8.3	0.0	0.0	0.2	
					360	0.0	0.0	4.8	8.3	0.0	0.0	0.2	
					420	0.0	0.0	4.8	8.3	0.0	0.0	0.2	
					480	0.0	0.0	4.8	8.3	0.0	0.0	0.2	
					540								
					600								
					5	0.0	0.0	4.7	9.1	0.0	0.0	0.4	Short
					30	0.0	0.0	4.8	8.7	0.0	0.0	0.4	
					60	0.0	0.0	4.3	8.5	0.0	0.0	0.4	
					5	0.0	0.0	4.9	9.1	0.0	0.0	0.1	Long
					30	0.0	0.0	4.9	8.4	0.0	0.0	0.1	
					60	0.0	0.0	4.9	8.3	0.0	0.0	0.1	

Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + EP		
Date:	30.08.2024	Job Number:	24/3980	Time:	10:30

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1020"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1020"/>	Temperature (°C)	<input type="text" value="19"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments
		Time (s)	dP (Pa)	Flow (l/h)									
BH24-04A	2.09				5	0.0	0.0	4.2	6.4	0.0	0.0	1.4	Short
					30	0.0	0.0	5.2	2.4	0.0	0.0	1.7	
Base (m)	2.97				60	0.0	0.0	5.1	2.1	0.0	0.0	2.0	Long
					30	0.0	0.0	5	0.0	0.0	4.5	5.7	
					60	0.0	0.0	4.7	3.6	0.0	0.0	1.6	
					90	0.0	0.0	4.9	2.8	0.0	0.0	1.3	
					120	0.0	0.0	5.1	2.2	0.0	0.0		
					150	0.0	0.0	5.2	2.1	0.0	0.0		
					180	0.0	0.0	4.6	2.3	0.0	0.0		
					210	0.0	0.0	4.9	2.6	0.0	0.0		
					240	0.0	0.0	4.8	2.8	0.0	0.0		
					270	0.0	0.0	4.8	2.8	0.0	0.0		
					300	0.0	0.0	4.8	2.8	0.0	0.0		
					360								
					420								
					480								
					540								
					600								
					5	0.0	0.0	2.7	13.2	0.0	0.0	0.1	Short
					30	0.0	0.0	4.6	4.7	0.0	0.0	0.1	
					60	0.0	0.0	4.8	3.3	0.0	0.0	0.2	
					5	0.0	0.0	4.5	6.1	0.0	0.0	0.2	Long
					30	0.0	0.0	4.8	3.4	0.0	0.0	0.3	
					60	0.0	0.0	5.1	2.5	0.0	0.0	0.3	

KEY
 aP: Atmospheric Pressure NR: Not Recorded Note: Where 0.0 is shown on the results indicates value lower than the detection limit of the instrument.
 dP: Differential Pressure OR: Out of Range

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Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + EP		
Date:	30.08.2024	Job Number:	24/3980	Time:	13:30

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1020"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1020"/>	Temperature (°C)	<input type="text" value="21"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments				
		Time (s)	dP (Pa)	Flow (l/h)													
DS24-05	1.26				5	0.0	0.0	2.3	17.6	0.0	0.0	1.1	Short				
					30	0.0	0.0	2.4	14.7	0.0	0.0	1.6					
Base (m)	2.93				60	0.0	0.0	2.7	13.9	0.0	0.0	1.4	Circulation				
					30	0.0	0.0	5	0.0	0.0	2.6	16.2		0.0	0.0	1.6	Long
					60	0.0	0.0	30	0.0	0.0	3.0	13.4		0.0	0.0	1.7	
					90			60	0.0	0.0	3.0	13.0		0.0	0.0	1.8	
					120			60	0.0	0.0	3.0	13.0		0.0	0.0		
					150			120	0.0	0.0	3.0	12.8		0.0	0.0		
					180			180	0.0	0.0	3.0	12.8		0.0	0.0		
					210			240	0.0	0.0	3.0	12.8		0.0	0.0		
					240			300									
					270			360									
					300			420									
					360			480									
					420			540									
					480			600									
					5	0.0	0.0	1.9	17.6	0.0	0.0	0.2	Short				
					30	0.0	0.0	2.9	13.5	0.0	0.0	0.4					
					60	0.0	0.0	2.9	13.2	0.0	0.0	0.4					
					5	0.0	0.0	2.8	15.5	0.0	0.0	0.2	Long				
30	0.0	0.0	3.0	13.5	0.0	0.0	0.2										
				60	0.0	0.0	3.0	13.0	0.0	0.0	0.2						

Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + EP		
Date:	04.09.2024	Job Number:	24/3980	Time:	12:41

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input checked="" type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1013"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1013"/>	Temperature (°C)	<input type="text" value="18"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments
		Time (s)	dP (Pa)	Flow (l/h)									
BH24-03	1.40				5	0.0	0.0	3.3	17.5	0.0	0.0	0.6	Short
					30	0.0	0.0	3.5	14.9	0.0	0.0	0.6	
Base (m)	1.43				0	0.0	0.0	3.5	14.5	0.0	0.0	0.5	Long
					30	0.0	0.0	5	0.0	0.0	3.6	16.0	
					60	0.0	0.0	3.7	14.3	0.0	0.0	0.1	
					90	0.0	0.0	3.7	14.1	0.0	0.0	0.1	
					120	0.0	0.0	3.7	14.2	0.0	0.0		
					150	0.0	0.0	3.7	14.0	0.0	0.0		
					180	0.0	0.0	3.7	14.0	0.0	0.0		
					210	0.0	0.0	3.6	14.2	0.0	0.0		
					240	0.0	0.0	3.6	14.2	0.0	0.0		
					270	0.0	0.0	3.6	14.1	0.0	0.0		
					300	0.0	0.0	3.6	14.2	0.0	0.0		
					360	0.0	0.0	3.6	14.2	0.0	0.0		
					420	0.0	0.0	3.6	14.2	0.0	0.0		
					480	0.0	0.0	3.6	14.2	0.0	0.0		
					540	0.0	0.0	3.6	14.2	0.0	0.0		
					600	0.0	0.0	3.6	14.2	0.0	0.0		
					5	0.0	0.0	3.5	15.6	0.0	0.0	0.3	Short
					30	0.0	0.0	3.5	14.6	0.0	0.0	0.3	
					60	0.0	0.0	3.5	14.4	0.0	0.0	0.2	
					5	0.0	0.0	3.6	16.9	0.0	0.0	0.0	Long
					30	0.0	0.0	3.6	14.4	0.0	0.0	0.0	
					60	0.0	0.0	3.6	14.2	0.0	0.0	0.0	

KEY
 aP: Atmospheric Pressure NR: Not Recorded Note: Where 0.0 is shown on the results indicates value lower than the detection limit of the instrument.
 dP: Differential Pressure OR: Out of Range

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Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + EP		
Date:	04.09.2024	Job Number:	24/3980	Time:	11:15

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input checked="" type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1013"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1013"/>	Temperature (°C)	<input type="text" value="17"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments	
		Time (s)	dP (Pa)	Flow (l/h)										
BH24-05	1.57				5	0.0	0.0	0.7	17.0	0.0	0.0	N/A	Short: Blockage, could not obtain readings.	
					30	0.0	0.0	0.0	20.7	0.0	0.0	N/A		
Base (m)	2.90				0	0.0	0.0	0.0	20.8	0.0	0.0	N/A		Long
					30	0.0	0.0	0.0	14.2	0.0	0.0	0.5		
					60	0.0	0.0	0.0	4.0	0.0	0.0	0.5		
					90	0.0	0.0	0.0	3.2	0.0	0.0	0.5		
					120	0.0	0.0	0.0	4.0	0.0	0.0			
					150	0.0	0.0	0.0	4.2	0.0	0.0			
					180	0.0	0.0	0.0	4.6	0.0	0.0			
					210	0.0	0.0	0.0	5.1	0.0	0.0			
					240	0.0	0.0	0.0	5.7	0.0	0.0			
					270	0.0	0.0	0.0	6.3	0.0	0.0			
					300	0.0	0.0	0.0	6.8	0.0	0.0			
					360	0.0	0.0	0.0	7.4	0.0	0.0			
					420	0.0	0.0	0.0	7.8	0.0	0.0			
					480	0.0	0.0	0.0	8.4	0.0	0.0			
					540	0.0	0.0	0.0	17.4	0.0	0.0	N/A	Short	
					600	0.0	0.0	0.0	19.1	0.0	0.0	N/A		
					60	0.0	0.0	0.0	19.3	0.0	0.0	N/A		
					5	0.0	0.0	0.0	10.3	0.0	0.0	0.3	Long	
					30	0.0	0.0	0.0	8.9	0.0	0.0	0.3		
					60	0.0	0.0	0.0	9.4	0.0	0.0	0.2		

KEY
 aP: Atmospheric Pressure NR: Not Recorded Note: Where 0.0 is shown on the results indicates value lower than the detection limit of the instrument.
 dP: Differential Pressure OR: Out of Range

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Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + EP		
Date:	04.09.2024	Job Number:	24/3980	Time:	10:00

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input type="checkbox"/>	Calm	<input checked="" type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1012"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1012"/>	Temperature (°C)	<input type="text" value="19"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments				
		Time (s)	dP (Pa)	Flow (l/h)													
DS24-03	1.20				5	0.0	0.0	0.8	23.0	0.0	0.0	2.2	Short				
					30	0.0	0.0	1.7	16.0	0.0	0.0	2.5					
Base (m)	2.95				60	0.0	0.0	1.7	15.9	0.0	0.0	2.6	Circulation				
					30	0.0	0.0	5	0.0	0.0	1.3	18.1		0.0	0.0	1.6	Long
					60	0.0	0.0	30	0.0	0.0	2.1	10.5		0.0	0.0	1.7	
					90			60	0.0	0.0	2.0	9.6		0.0	0.0	1.9	
					120			60	0.0	0.0	2.0	10.0		0.0	0.0		
					150			120	0.0	0.0	2.1	9.3		0.0	0.0		
					180			180	0.0	0.0	2.0	9.4		0.0	0.0		
					210			240	0.0	0.0	2.0	9.5		0.0	0.0		
					240			300	0.0	0.0	2.0	9.4		0.0	0.0		
					270			360	0.0	0.0	2.0	9.2		0.0	0.0		
					300			420	0.0	0.0	2.0	9.2		0.0	0.0		
					360			480	0.0	0.0	2.0	9.2		0.0	0.0		
					420			540	0.0	0.0	2.0	9.1		0.0	0.0		
					480			600	0.0	0.0	2.0	9.1		0.0	0.0		
			540			5	0.0	0.0	1.9	11.2	0.0	0.0	1.3	Short			
			600			30	0.0	0.0	1.9	10.1	0.0	0.0	1.6				
						60	0.0	0.0	1.8	10.1	0.0	0.0	1.8				
						5	0.0	0.0	1.2	17.4	0.0	0.0	0.9	Long			
						30	0.0	0.0	1.9	8.2	0.0	0.0	1.1				
						60	0.0	0.0	1.9	7.8	0.0	0.0	1.1				

Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + EP		
Date:	04.09.2024	Job Number:	24/3980	Time:	12:00

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input checked="" type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1013"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1013"/>	Temperature (°C)	<input type="text" value="17"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments				
		Time (s)	dP (Pa)	Flow (l/h)													
DS24-05	1.29				5	0.0	0.0	1.8	18.4	0.0	0.0	0.6	Short				
					30	0.0	0.0	1.9	17.7	0.0	0.0	0.7					
Base (m)	2.90				60	0.0	0.0	2.0	17.4	0.0	0.0	0.5	Circulation				
					30	0.0	0.0	5	0.0	0.0	2.6	17.6		0.0	0.0	0.3	Long
					60	0.0	0.0	30	0.0	0.0	2.7	15.4		0.0	0.0	0.1	
					90			60	0.0	0.0	2.7	15.1		0.0	0.0	0.1	
					120			60	0.0	0.0	2.5	15.4		0.0	0.0		
					150			120	0.0	0.0	2.4	15.3		0.0	0.0		
					180			180	0.0	0.0	2.4	15.4		0.0	0.0		
					210			240	0.0	0.0	2.4	15.6		0.0	0.0		
					240			300	0.0	0.0	2.4	15.6		0.0	0.0		
					270			360	0.0	0.0	2.3	15.6		0.0	0.0		
					300			420	0.0	0.0	2.4	15.5		0.0	0.0		
					360			480	0.0	0.0	2.3	15.5		0.0	0.0		
					420			540	0.0	0.0	2.4	15.5		0.0	0.0		
					480			600	0.0	0.0	2.4	15.5		0.0	0.0		
								540			5	0.0		0.0	2.3	17.0	0.0
			600			30	0.0	0.0	2.3	15.9	0.0	0.0	0.2				
						60	0.0	0.0	2.3	15.7	0.0	0.0	0.1				
						5	0.0	0.0	2.3	17.4	0.0	0.0	0.1	Long			
						30	0.0	0.0	2.6	15.5	0.0	0.0	0.1				
						60	0.0	0.0	2.6	15.2	0.0	0.0	0.1				

Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	09.09.2024	Job Number:	24/3980	Time:	11:21

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input checked="" type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1006"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1006"/>	Temperature (°C)	<input type="text" value="15"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments
		Time (s)	dP (Pa)	Flow (l/h)									
BH24-04A	2.03				5	0.0	0.0	0.6	18.3	0.0	0.0	0.7	Short
					30	0.0	0.0	0.6	17.0	0.0	0.0	0.9	
Base (m)	2.95				60	0.0	0.0	0.6	16.9	0.0	0.0	0.8	Long
					30	0.0	0.0	0.5	17.4	0.0	0.0	0.8	
					60	0.0	0.0	0.5	17.3	0.0	0.0	0.5	
					90	0.0	0.0	0.5	17.3	0.0	0.0	0.3	
					120	0.0	0.0	0.2	19.6	0.0	0.0		
					150	0.0	0.0	0.4	19.8	0.0	0.0		
					180	0.0	0.0	0.4	20.3	0.0	0.0		
					210	0.0	0.0	0.1	20.0	0.0	0.0		
					240	0.0	0.0	0.1	20.0	0.0	0.0		
					270	0.0	0.0	0.1	20.0	0.0	0.0		
					300								
					360								
					420								
					480								
					540								
					600								
					5	0.0	0.0	0.0	20.1	0.0	0.0	0.7	Short
					30	0.0	0.0	0.0	20.1	0.0	0.0	0.8	
					60	0.0	0.0	0.0	20.1	0.0	0.0	0.9	
					5	0.0	0.0	0.1	20.1	0.0	0.0	0.4	Long
					30	0.0	0.0	0.1	20.0	0.0	0.0	0.5	
					60	0.0	0.0	0.1	20.0	0.0	0.0	0.5	

KEY
 aP: Atmospheric Pressure NR: Not Recorded Note: Where 0.0 is shown on the results indicates value lower than the detection limit of the instrument.
 dP: Differential Pressure OR: Out of Range

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Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	09.09.2024	Job Number:	24/3980	Time:	10:30

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input checked="" type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1008"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1008"/>	Temperature (°C)	<input type="text" value="15"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments
		Time (s)	dP (Pa)	Flow (l/h)									
BH24-10	1.25				5	4.0	91.4	0.9	22.2	0.0	0.0	0.9	Short
					30	8.6	77.8	1.6	0.3	0.0	0.0	1.0	
Base (m)	3.77				60	8.8	77.8	1.6	0.2	0.0	0.0	1.0	Long
					30	0.0	0.0	5	8.2	77.8	1.6	0.4	
					60	8.7	77.8	1.7	0.1	0.0	0.0	1.3	
					90	8.9	77.8	1.7	0.1	0.0	0.0	1.4	
					120	8.9	77.8	1.7	0.1	0.0	0.0		
					150	8.8	77.8	1.6	0.2	0.0	0.0		
					180	8.8	77.8	1.6	0.2	0.0	0.0		
					210	8.8	77.8	1.6	0.2	0.0	0.0		
					240								
					300								
					360								
					420								
					480								
					540								
					600								
					5	7.9	77.8	1.6	0.5	0.0	0.0	0.8	Short
					30	8.7	77.8	1.6	0.3	0.0	0.0	1.2	
					60	8.7	77.8	1.6	0.2	0.0	0.0	1.3	
					5	8.6	77.8	1.6	0.3	0.0	0.0	1.5	Long
					30	8.8	77.8	1.7	0.1	0.0	0.0	1.6	
					60	8.9	77.8	1.7	0.1	0.0	0.0	1.7	

KEY
 aP: Atmospheric Pressure NR: Not Recorded Note: Where 0.0 is shown on the results indicates value lower than the detection limit of the instrument.
 dP: Differential Pressure OR: Out of Range

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Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	09.09.2024	Job Number:	24/3980	Time:	09:40

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input checked="" type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1004"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1004"/>	Temperature (°C)	<input type="text" value="15"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments
		Time (s)	dP (Pa)	Flow (l/h)									
DS24-01	0.96				5	0.0	0.0	1.2	9.5	0.0	0.0	0.7	Short
					30	0.0	0.0	1.7	9.9	0.0	0.0	0.4	
Base (m)	2.93				60	0.0	0.0	1.7	9.4	0.0	0.0	0.8	Long
					30	0.0	0.0	5	0.0	0.0	0.6	12.4	
					60	0.0	0.0	1.8	9.6	0.0	0.0	0.5	
					90	0.0	0.0	1.8	8.9	0.0	0.0	0.7	
					120	0.0	0.0	1.5	10.0	0.0	0.0		
					150	0.0	0.0	1.3	11.0	0.0	0.0		
					180	0.0	0.0	1.3	11.3	0.0	0.0		
					210	0.0	0.0	1.2	11.6	0.0	0.0		
					240	0.0	0.0	1.2	11.0	0.0	0.0		
					270	0.0	0.0	1.2	11.0	0.0	0.0		
					300								
					420								
					480								
					540								
					600								
					5	0.0	0.0	1.2	17.6	0.0	0.0	0.2	Short
					30	0.0	0.0	1.2	12.9	0.0	0.0	0.3	
					60	0.0	0.0	1.2	12.8	0.0	0.0	0.3	
					5	0.0	0.0	0.8	17.2	0.0	0.0	0.1	Long
					30	0.0	0.0	0.8	15.0	0.0	0.0	0.1	
					60	0.0	0.0	0.8	15.0	0.0	0.0	0.1	

KEY
 aP: Atmospheric Pressure NR: Not Recorded Note: Where 0.0 is shown on the results indicates value lower than the detection limit of the instrument.
 dP: Differential Pressure OR: Out of Range

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Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	09.09.2024	Job Number:	24/3980	Time:	12:30

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input checked="" type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1005"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1005"/>	Temperature (°C)	<input type="text" value="15"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments
		Time (s)	dP (Pa)	Flow (l/h)									
DS107	1.12				5	0.0	0.0	0.7	16.1	0.0	0.0	0.1	Short: This location was monitored due to its proximity to BH24-01, after being unable to obtain readings from that location. Long:
					30	0.0	0.0	0.7	15.2	0.0	0.0	0.2	
Base (m)	2.93				0	0.0	0.0	0.7	15.2	0.0	0.0	0.2	
					30	0.0	0.0	0.7	15.2	0.0	0.0	N/A	
					60	0.0	0.0	0.7	15.2	0.0	0.0	N/A	
					30	0.0	0.0	0.7	15.2	0.0	0.0	N/A	
					90	0.0	0.0	0.7	15.2	0.0	0.0	N/A	
					60								
					120								
					120								
					180								
					180								
					240								
					240								
					300								
					300								
					360								
					360								
					420								
					420								
					540								
					540								
					600								
					600								
					5								Short
					30								
					60								
					5								Long
					30								
					60								

Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	10/09/2024	Job Number:	24/3980	Time:	11:00

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input checked="" type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1004"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1004"/>	Temperature (°C)	<input type="text" value="16"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments	
		Time (s)	dP (Pa)	Flow (l/h)										
BH24-03	1.25				5	0.0	0.0	4.5	17.2	0.0	0.0	0.4	Short	
					30	0.0	0.0	4.9	11.7	0.0	0.0	0.5		
Base (m)	1.49				60	0.0	0.0	4.9	10.6	0.0	0.0	0.5	Circulation	
					5	0.0	0.0	4.1	14.1	0.0	0.0	0.2		Long
					30	0.0	0.0	5.4	11.1	0.0	0.0	0.2		
					60	0.0	0.0	5.4	11.0	0.0	0.0	0.2		
					90			4.9	10.6	0.0	0.0			
					120			4.9	10.3	0.0	0.0			
					150			5.0	10.6	0.0	0.0			
					180			5.0	10.6	0.0	0.0			
					210			5.0	10.6	0.0	0.0			
					240			5.0	10.6	0.0	0.0			
					270									
					300									
					360									
					420									
					480									
540														
600														
				5	0.0	0.0			0.0	0.0	0.2	Short		
				30	0.0	0.0			0.0	0.0	0.3			
				60	0.0	0.0			0.0	0.0	0.3			
				5	0.0	0.0			0.0	0.0	0.1	Long		
				30	0.0	0.0			0.0	0.0	0.1			
				60	0.0	0.0			0.0	0.0	0.1			

KEY
 aP: Atmospheric Pressure NR: Not Recorded Note: Where 0.0 is shown on the results indicates value lower than the detection limit of the instrument.
 dP: Differential Pressure OR: Out of Range

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Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	10/09/2024	Job Number:	24/3980	Time:	14:03

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1002"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1002"/>	Temperature (°C)	<input type="text" value="18"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments
		Time (s)	dP (Pa)	Flow (l/h)									
BH24-05	1.42				5	0.0	0.0	1.5	20.2	0.0	0.0	0.9	Short
					30	0.7	20.0	0.0	0.6	0.0	0.0	1.5	
Base (m)	2.93				60	0.8	18.6	0.0	0.3	0.0	0.0	1.7	Long
					30	0.0	0.0	5	0.3	17.3	0.0	2.1	
					60	0.9	21.3	0.0	0.2	0.0	0.0	1.3	
					90	0.9	22.0	0.0	0.1	0.0	0.0	1.3	
					120	0.8	19.3	0.0	0.0	0.0	0.0		
					150	0.8	19.3	0.0	0.0	0.0	0.0		
					180	0.8	20.0	0.0	0.0	0.0	0.0		
					210	0.8	20.0	0.0	0.0	0.0	0.0		
					240	0.8	20.0	0.0	0.0	0.0	0.0		
					270								
					300								
					360								
					420								
					480								
					540								
					600								
					5	0.8	10.6	0.0	0.1	0.0	0.0	1.4	Short
					30	0.8	19.3	0.0	0.1	0.0	0.0	1.5	
					60	0.8	19.3	0.0	0.1	0.0	0.0	1.5	
					5	0.7	16.0	0.0	1.2	0.0	0.0	1.2	Long
					30	0.4	10.0	0.0	0.2	0.0	0.0	1.3	
					60	0.3	8.6	0.0	0.1	0.0	0.0	1.3	

KEY
 aP: Atmospheric Pressure NR: Not Recorded Note: Where 0.0 is shown on the results indicates value lower than the detection limit of the instrument.
 dP: Differential Pressure OR: Out of Range

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Gas Monitoring Results

JOB DETAILS					
Location:	Thorney Lane	Engineer:	IJ + PO		
Date:	10/09/2024	Job Number:	24/3980	Time:	09:20

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	Delete As Required Ground Level		
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Strong
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input checked="" type="checkbox"/>	Cloudy		<input type="checkbox"/>	Overcast
Precipitation	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Heavy
Barometric pressure (mb) Before:	<input type="text" value="1004"/>	dP (Pa) initial:	<input type="text" value="0"/>	aP (mb) After:	<input type="text" value="1004"/>	Temperature (°C)	<input type="text" value="15"/>		

INSTRUMENTATION USED				Tick if gas sample taken:	
Gas concentration:	Gas Data GFM 436, Accuracy: CH4 ±0.3% (0 to 5%), ±3.0% (at 30%), ±3.0% (at 100%); CO2 ±0.3% (0 to 5%), ±3.0% (at 40%); O2 ±0.2%	Instrument No.	2	VOC concentration:	PhoCheck Tiger, Accuracy: ±5.0% ± one digit (at 20°C)

BH (No.)	Depth to GW (m)	Flow Measurements			Time (s)	CH ₄ (%)	LEL (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)	PID (ppm)	Comments	
		Time (s)	dP (Pa)	Flow (l/h)										
DS24-02	Dry				5	1.1	26.9	0.9	23.2	0.0	0.0	0.2	Short	
					30	0.0	0.0	4.8	14.7	0.0	0.0	0.3		
Base (m)	1.22	0	0.0	0.0	60	0.0	0.0	4.8	14.1	0.0	0.0	0.2	Circulation	
		30	0.0	0.0	5	0.0	0.0	3.7	17.4	0.0	0.0	0.1		Long
		60	0.0	0.0	30	0.0	0.0	4.9	14.6	0.0	0.0	0.1		
		90			60	0.0	0.0	4.9	14.2	0.0	0.0	0.1		
		120			60	0.0	0.0	4.8	14.2	0.0	0.0			
		150			120	0.0	0.0	5.2	14.0	0.0	0.0			
		180			180	0.0	0.0	4.8	13.8	0.0	0.0			
		210			240	0.0	0.0	4.8	13.8	0.0	0.0			
		240			300	0.0	0.0	4.8	13.8	0.0	0.0			
		270			360									
		300			420									
		360			480									
		420			540									
		480			600									
			540						0.0	0.0	0.1	Short		
			600						0.0	0.0	0.1			
			60						0.0	0.0	0.1	Long		
			5						0.0	0.0	0.1			
			30						0.0	0.0	0.1			
			60						0.0	0.0	0.1			

GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site:	Thorney Lane
Job No.:	24/3980
Date:	27/08/2024
Technician:	EP/IJ
Sampling method:	Low Flow (peristaltic)
Water Quality Meter No:	
Turbidity Meter No:	

	BH No.		Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments: Sunny + Dry 16°				
	BH24-05		2.94		1.46					
Purge Volume (L)	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
2.0	12:04	19.7	3.69	40.30	1.17	11.91	-254.6	-437.6	748.0	Cloudy
4.0	12:08	19.8	2.78	30.50	1.16	11.81	-248.4	-409.2	251.0	Cloudy
6.0	12:12	19.8	2.69	29.60	1.16	11.76	-246.8	-400.7	217.0	Cloudy
8.0	12:16	19.8	2.64	29.10	1.15	11.75	-245.8	-398.0	193.0	Cloudy



GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site: **Thorney Lane**

Job No.: **24/3980**

Date: **27/08/2024**

Technician: **EP/IJ**

Sampling method: **Low Flow (peristaltic)**

Water Quality Meter No:

Turbidity Meter No:

BH No.		Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments: Sunny + Dry 16°					
BH24-06		2.71		1.36						
Purge Volume (L)	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
2.0	11:30	20.5	1.78	19.70	1.21	7.25	-7.6	-73.6	850.0	Cloudy
4.0	11:34	20.5	1.54	17.00	1.21	7.26	-8.3	-70.4	842.0	Cloudy
6.0	11:38	20.4	1.45	16.10	1.24	7.26	-8.5	-69.0	838.0	Cloudy
8.0	11:42	20.5	1.44	16.00	1.22	7.26	-8.6	-67.5	773.0	Cloudy

GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site: Thorney Lane

Job No.: 24/3980

Date: 27/08/2024

Technician: EP/IJ

Sampling method: Low Flow (peristaltic)

Water Quality Meter No:

Turbidity Meter No:

BH No.	Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments: Sunny + Dry 16°						
BH24-10	3.89		1.21							
Purge Volume (L)	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
2.0	15:16	22.2	1.82	21.0	1.12	7.09	0.6	-15.1	911	Cloudy
4.0	15:20	22.3	1.65	19.1	1.12	7.11	-0.1	-14.8	879	Cloudy
6.0	15:24	22.4	1.54	17.9	1.12	7.12	-0.9	-14.4	841	Cloudy
8.0	15:28	22.4	1.44	16.7	1.12	7.14	-1.8	-14.2	784	Cloudy
10.0	15:32	22.4	1.42	16.6	1.12	7.16	-3.0	-13.8	786	Cloudy
12.0	15:36	22.5	1.40	16.4	1.12	7.16	-3.1	-13.2	778	Cloudy

GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site:	Thorney Lane
Job No.:	24/3980
Date:	27/08/2024
Technician:	EP/IJ
Sampling method:	Low Flow (peristaltic)
Water Quality Meter No:	
Turbidity Meter No:	

	BH No.	Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments: Sunny + Dry 16°					
	DS24-01	2.93		1.37						

Purge Volume (L)	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
2.0	13:04	18.4	2.80	30.20	2.77	7.63	-27.6	61.9	2866	Cloudy
4.0	13:08	18.7	2.52	27.30	2.77	7.64	-28.3	61.2	3075	Cloudy
6.0	13:12	18.8	2.34	25.40	2.78	7.66	-28.9	60.3	3233	Cloudy
8.0	13:16	18.8	2.23	24.30	2.78	7.67	-30.0	59.9	3019	Cloudy
10.0	13:20	18.8	2.2	24.20	2.77	7.67	-30.2	59.0	2993	Cloudy



GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site: Thorney Lane

Job No.: 24/3980

Date: 27/08/2024

Technician: EP/IJ

Sampling method: Low Flow (peristaltic)

Water Quality Meter No:

Turbidity Meter No:

BH No.			Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments: Sunny + Dry 16°				
DS24-03			2.96		1.15					
Purge Volume (L)	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
2.0	10:45	19.9	2.31	25.40	1.50	6.76	20.0	16.6	212	Slightly Cloudy
4.0	10:49	20.0	2.22	24.50	1.51	6.76	19.7	21.9	180	Slightly Cloudy
6.0	10:53	20.0	2.20	24.30	1.51	6.76	19.5	24.1	175	Slightly Cloudy

GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site:	Thorney Lane
Job No.:	24/3980
Date:	27/08/2024
Technician:	EP/IJ
Sampling method:	Low Flow (peristaltic)
Water Quality Meter No:	
Turbidity Meter No:	

	BH No.		Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments: Sunny + Dry 16° Hydrocarbon smell, water becoming black.				
	DS107		2.91		1.21					
Purge Volume (L)	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
2.0	13:53	22.6	2.40	28.40	2.65	6.71	22.7	-17.1	85.4	Slightly Cloudy
4.0	13:57	22.7	2.25	26.50	2.65	6.73	21.5	-19.6	86.0	Slightly Cloudy
6.0	14:01	22.7	2.08	24.20	2.65	6.74	21.3	-18.8	87.1	Slightly Cloudy
8.0	14:05	22.8	2.05	24.00	2.64	6.74	21.2	-18.6	86.4	Slightly Cloudy

GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site: Thorney Lane

Job No.: 24/3980

Date: 04/09/2024

Technician: EP/IJ

Sampling method: Low Flow (peristaltic)

Water Quality Meter No:

Turbidity Meter No:

Purge Volume (L)	BH No.		Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments: Cloudy + Dry 19°				
	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
2.0	10:45	19.0	2.33	26.3	1.42	6.7	20.4	122.8	267	Cloudy
4.0	10:49	19.2	0.85	9.4	1.38	6.7	24.3	113.2	127	Cloudy
6.0	10:53	19.2	0.72	7.8	1.38	6.6	26.5	108.3	74	Clear
8.0	10:57	19.2	0.69	7.6	1.37	6.6	26.4	108.2	74	Clear
10.0	11:01	19.2	0.68	7.4	1.37	6.6	26.7	107.3	101	Clear

GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site: Thorney Lane

Job No.: 24/3980

Date: 04/09/2024

Technician: EP/IJ

Sampling method: Low Flow (peristaltic)

Water Quality Meter No:

Turbidity Meter No:

BH No.		Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments: Cloudy + Dry 19°					
Purge Volume (L)	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
2.0	14:27	19.9	0.59	6.6	1.03	6.8	15.6	-84.0	79	Clear
4.0	14:31	20.6	0.50	5.6	1.03	6.9	10.6	-74.7	101	Cloudy
6.0	14:35	20.6	0.52	5.8	1.00	6.9	10.3	-63.3	76	Cloudy
8.0	14:39	20.7	0.52	5.9	1.00	6.90	10.7	-49.8	64	Clear

GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site:	Thorney Lane
Job No.:	24/3980
Date:	04/09/2024
Technician:	EP/IJ
Sampling method:	Low Flow (peristaltic)
Water Quality Meter No:	
Turbidity Meter No:	

	BH No.	Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments: Sunny + Dry 19°					
	DS105	4.36		1.50						

Purge Volume (L)	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
2.0	12:05	18.8	2.37	26.4	1.27	11.3	-217.0	-411.3	92	Clear
4.0	12:09	19.1	0.85	9.5	1.25	10.7	-193.5	-397.5	83	Clear
6.0	12:13	19.1	0.79	8.8	1.26	10.7	-191.4	-396.3	68	Clear
8.0	12:17	19.1	0.75	8.3	1.26	10.6	-190.6	-395.6	62	Clear

GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site: Thorney Lane

Job No.: 24/3980

Date: 04/09/2024

Technician: EP/IJ

Sampling method: *Low Flow (peristaltic)*

Water Quality Meter No: _____

Turbidity Meter No: _____

	BH No.		Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments: Sunny + Dry 19°				
Purge Volume (L)	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
	DS122		2.94		1.62					
2.0	12:45	18.8	0.51	5.5	1.08	6.9	13.3	-127.7	133	Clear
4.0	12:49	18.8	0.50	5.4	1.08	6.9	13.5	-127.4	132	Clear
6.0	12:53	18.8	0.48	5.2	1.08	6.9	13.7	-127.6	134	Clear

GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site: Thorney Lane

Job No.: 24/3980

Date: 09/09/2024

Technician: PO/IJ

Sampling method: Low Flow (peristaltic)

Water Quality Meter No:

Turbidity Meter No:

BH No.	Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments: Cloudy + Dry 19°						
Purge Volume (L)	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
2.0	11:58	17.8	2.23	23.70	0.943	7.7	-30.9	-35.7	875	Muddy
4.0	12:02	17.9	2.20	23.50	0.946	7.7	-31.1	-36.5	955	Muddy
6.0	12:06	17.9	2.17	23.10	0.940	7.7	-31.0	-36.6	931	Muddy

GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site:	Thorney Lane
Job No.:	24/3980
Date:	09/09/2024
Technician:	PO/IJ
Sampling method:	Low Flow (peristaltic)
Water Quality Meter No:	
Turbidity Meter No:	

BH No.		Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments: Sunny + Dry 19°					
BH24-07		32.45		1.48						
Purge Volume (L)	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
2.0	12:55	16.6	3.01	32.00	0.986	6.95	10.3	-129.3	187	Clear
4.0	13:00	16.6	2.99	31.80	0.986	6.94	10.4	-129.5	187	Clear
6.0	13:05	16.6	2.98	31.50	0.986	6.94	10.5	-129.9	186	Clear

GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site:	Thorney Lane
Job No.:	24/3980
Date:	09/09/2024
Technician:	PO/IJ
Sampling method:	Low Flow (peristaltic)
Water Quality Meter No:	
Turbidity Meter No:	

BH No.	Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments: Sunny + Dry 19°						
	BH024-09	2.92		1.38						
Purge Volume (L)	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
2.0	13:30	17.3	0.12	1.10	1.534	7.9	-42.7	153.1	>1050	Muddy
4.0	13:35	17.3	0.12	1.00	1.534	7.9	-42.7	153.6	>1050	Muddy
6.0	13:38	17.3	0.11	1.00	1.534	7.9	-42.7	153.0	>1050	Muddy

GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site: Thorney Lane

Job No.: 24/3980

Date: 09/09/2024

Technician: PO/IJ

Sampling method: Low Flow (peristaltic)

Water Quality Meter No:

Turbidity Meter No:

BH No.		Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments: Cloudy + Dry 19°					
Purge Volume (L)	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
	DS24-04		2.96		1.30					
2.0	10:50	15.7	3.24	34.10	1.262	8.87	-89.6	-188.7	162.7	Muddy
4.0	10:55	16.1	0.11	1.70	0.717	9.92	-108.9	-223.1	198.0	Muddy
6.0	11:00	16.1	0.10	1.80	0.717	9.21	-108.9	-223.3	199.0	Muddy
8.0	11:05	15.9	0.11	1.10	0.719	9.23	-109.6	-223.6	167.0	Muddy

GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site: Thorney Lane

Job No.: 24/3980

Date: 10/09/2024

Technician: PO/IJ

Sampling method: Low Flow (peristaltic)

Water Quality Meter No:

Turbidity Meter No:

Purge Volume (L)	BH No.		Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments:				
	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
2.0	13:45	17.5	2.95	31.60	3.401	12.36	-276.3	-335.5	124.0	Cloudy
4.0	13:49	17.5	2.92	31.20	3.402	12.36	-276.1	-335.6	151.0	Cloudy
6.0	13:53	17.5	2.77	29.80	3.396	12.37	-276.4	-336.3	162.0	Cloudy

GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site: Thorney Lane

Job No.: 24/3980

Date: 10/09/2024

Technician: PO/IJ

Sampling method: Low Flow (peristaltic)

Water Quality Meter No:

Turbidity Meter No:

BH No.		Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments: Dry					
DS112		4.15		1.41						
Purge Volume (L)	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
2.0	11:11	15.9	1.50	17.22	0.980	7.05	3.5	-142.6	80.0	Clear
4.0	11:15	17.6	0.76	8.10	0.985	7.03	3.9	-152.4	71.1	Clear
6.0	11:19	17.7	0.75	7.90	0.984	7.03	3.9	-152.2	70.1	Clear
8.0	11:23	17.7	0.73	7.9	0.984	7.03	4.0	-152.0	72.2	Clear

GROUNDWATER - IN SITU ANALYSIS & SAMPLING

Site: Thorney Lane

Job No.: 24/3980

Date: 10/09/2024

Technician: PO/IJ

Sampling method: Low Flow (peristaltic)

Water Quality Meter No:

Turbidity Meter No:

	BH No.		Base of well (mbgl)	Top of slotted (mbgl)	Depth to GW (mbgl)	Weather / Temperature (°C) / Comments:				
	CP105		26.45		1.77					
Purge Volume (L)	Time	Temp (°C)	DO (mg/L)	DO (%)	SPC (mS/cm)	pH	pH (mv)	Redox Potential (mV)	Turbidity (NTU)	Colour / Odour
2.0	12:30	15.3	0.40	4.10	0.767	7.46	-17.3	-72.8	82.1	Clear
4.0	12:34	15.5	0.82	8.30	0.762	7.46	-14.9	-77.0	71.8	Clear
6.0	12:38	15.5	0.82	8.40	0.761	7.47	-15.0	-76.9	70.1	Clear
8.0	12:42	15.5	0.85	8.60	0.757	7.47	-16.0	-82.1	71.6	Clear

Groundwater Monitoring Record

Job No.	24/3980	Site	Thorney Lane		
Installation Details			Water Monitoring		
BH No.	Depth of Installation (mbgl)	Type	Date	Water level (mbgl)	Comments
DS120			25/07/2024		Bung present unable to remove, cover broken - missing bolt.

Installation types:
 G/GW - combined Gas & Groundwater Standpipe SPIE - Standpipe piezometer
 GW - Groundwater Standpipe VWP - Viabrating wire piezometer

Groundwater Monitoring Record

Job No.	24/3980	Site	Thorney Lane
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Installation Details			Water Monitoring		
BH No.	Depth of Installation (mbgl)	Type	Date	Water level (mbgl)	Comments
DS122			25/07/2024		Unable to remove cover, bolts seized.
DS122	2.82		09/08/2024	1.55	
DS122			30/08/2024	1.60	
DS122			10/09/2024	1.60	

Installation types:
 G/GW - combined Gas & Groundwater Standpipe SPIE - Standpipe piezometer
 GW - Groundwater Standpipe VWP - Viabrating wire piezometer

Groundwater Monitoring Record

Job No.	24/3980	Site	Thorney Lane		
Installation Details			Water Monitoring		
BH No.	Depth of Installation (mbgl)	Type	Date	Water level (mbgl)	Comments
DS123			25/07/2024		No access.

Installation types:
G/GW - combined Gas & Groundwater Standpipe SPIE - Standpipe piezometer
GW - Groundwater Standpipe VWP - Viabrating wire piezometer

Groundwater Monitoring Record

Job No.	24/3980	Site	Thorney Lane
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Installation Details			Water Monitoring		
BH No.	Depth of Installation (mbgl)	Type	Date	Water level (mbgl)	Comments
DS125			25/07/2024		No access to yard area, vehicles parked over boreholes.

Installation types:
G/GW - combined Gas & Groundwater Standpipe SPIE - Standpipe piezometer
GW - Groundwater Standpipe VWP - Vibrating wire piezometer

Groundwater Monitoring Record

Job No.	24/3980	Site	Thorney Lane		
Installation Details			Water Monitoring		
BH No.	Depth of Installation (mbgl)	Type	Date	Water level (mbgl)	Comments
CP105	26.30		25/07/2024	1.68	Bolt sheered, unable to close cover.
CP105			30/08/2024	1.75	
CP105			10/09/2024	1.77	

Installation types:
 G/GW - combined Gas & Groundwater Standpipe SPIE - Standpipe piezometer
 GW - Groundwater Standpipe VWP - Vibrating wire piezometer

TEST DATE AND CONDITIONS	
Date	17/02/23
Atmospheric pressure	1003mb
Ambient Temp	22.4°C
Envionics Serial No.	2518

GAS DATA LTD
Unit 4 Fairfield court
Seven Stars Estate
Coventry
CV3 4LJ, UK
+44 (0) 24 7630 3311



GFM436-1 FINAL INSPECTION & CALIBRATION CHECK CERTIFICATE

INSTRUMENT DETAILS	
Serial No	Customer
13866	Concept Engineering Consultants

INSTRUMENT CHECKS			
Keyboard	✓	Pump Flow	500cc/min
Display Contrast	✓	Pump Flow @ -200mB	325cc/min
Clock Set / Running	✓	S/W Version	G436-00.0029/0010
Labels Fitted	✓	Recalibration Date	17/02/24

GAS CHECKS							
Calibration Gas		Instrument Gas Channels Read					
Gas Type	Applied Conc.	CH4 (%)	tol. (% vol.)	CO2 (%)	tol. (% vol.)	O2 (%)	tol. (% vol.)
N2	100%	0.0	0.0	0.0	0.0	0.0	+/-0.1
CH4	5%	5.1	+/-0.3	0.0	0.0	0.0	+/-0.1
	60%	59.8	+/-3.0	0.0	0.0	0.0	+/-0.1
CO2	5%	0.0	0.0	5.1	+/-0.3	0.0	+/-0.1
	40%	0.0	0.0	40.3	+/-3.0	0.0	+/-0.1
O2	20.9%	0.0	0.0	0.0	+0.1	20.9	+/-0.5

OPTIONAL GAS CHECKS							
Calibration Gas		Instrument Gas Channels Read					
Gas Type	Applied Conc.	Label Range	H2S 5000ppm	CO 2000ppm		Hexane 2.00%	tol. (% vol.)
N2	100%		0	0		0.000	0.0
H2S	1500ppm		1500	0			+/- 5.0
CO	1000ppm		100	1002			+/- 5.0
Hexane	2.00%					1.924	+/- 10.0

PRESSURE CHECKS							
Calibration Pressure		Instrument Pressure Channels Read					
Pressure @	Applied Pressure	Atmospheric [Ap] (mB)	tol. (mB)				
All Ports	Current Atmospheric	1003	+/-2.0				
Ap Port (Internal)	+800mB(a)	800	+/-5.0				
	+1200mB(a)	1201	+/-5.0				

TEST DATE AND CONDITIONS	
Date	17/02/23
Atmospheric pressure	1003mb
Ambient Temp	22.4°C
Envionics Serial No.	2518

GAS DATA LTD
Unit 4 Fairfield court
Seven Stars Estate
Coventry
CV3 4LJ, UK
+44 (0) 24 7630 3311



GFM436-1 FINAL INSPECTION & CALIBRATION CHECK CERTIFICATE

FLOW CHECKS					
Calibration Flow			Instrument Flow Channels Read		
Applied Flow (l/hour)	Applied Pressure (Pa)	Flow [Flow] (l/hour)	tol. (l/hour)	Differential Pressure [Dp] (Pa)	tol. (Pa)
-30.0	-435	-29.5	+/-3.0	-439	+/-50
-3.0	-19	-3.0	+/-1.0	-18	+/-6
0.0	0	0.0	0.0	0	0.0
+3.0	16	3.0	+/-0.5	15	+/-3
+30.0	369	29.5	+/-3.0	362	+/-50
+60.0	1127	59.7	+/-6.0	1116	+/-130
+90.0	2247	91.6	+/-9.0	2307	+/-250

TEMPERATURE CHECK		
Calibration Temperature	Instrument Temperature Channel Read	
Applied Equivalent Temperature (°C)	Temperature [Temp] (°C)	tol. (°C)
-10.0	-10.0	+/- 2.0
0.0	0.0	+/- 1.0
30.0	30.5	+/- 1.0
60.0	60.0	+/- 1.0
100.0	100.0	+/- 1.0

Notes:-

The instrument identified by the serial number stated above has been tested by Gas Data personnel for calibration accuracy on the date and under the ambient conditions stated. Gas Data Ltd internal BS EN ISO9001:2015, BS EN ISO 14001:2015 and BS EN ISO 45001:2018 compliant workshop procedures were followed to apply known calibration test gases, gas flow rates, pressures and temperatures of the values stated. The results displayed on the instrument at each stage are recorded above.

Gas Data Ltd is certified to: BS EN ISO 9001:2015
 BS EN ISO 14001:2015
 BS EN ISO 45001:2018

15. GEOTECHNICAL LABORATORY TESTING RESULTS

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-01	1	LB	0.25	0.40	Brown very gravelly sandy CLAY.
BH24-02	3	D	0.50	-	Brown very gravelly sandy CLAY.
BH24-02	4	B	0.50	0.70	Brown very gravelly very sandy CLAY.
BH24-02	5	B	0.70	0.90	Dark brown sandy slightly clayey GRAVEL with cobbles.
BH24-03	1	B	0.20	0.60	Dark brown very gravelly sandy CLAY.
BH24-03	4	B	0.90	1.20	Brown slightly sandy clayey GRAVEL.
BH24-04	3	B	0.70	0.90	Brown sandy GRAVEL.
BH24-04A	1	LB	0.30	0.50	Brown very gravelly very sandy CLAY.
BH24-04A	3	D	0.40	-	Brown very gravelly sandy CLAY.
BH24-04A	5	B	0.90	1.20	Brown very gravelly very sandy CLAY.
BH24-04A	6	D	1.20	-	Brown very gravelly sandy CLAY.
BH24-05	4	B	1.60	2.10	Brown very gravelly very sandy CLAY.
BH24-05	5	D	2.00	-	Brown very gravelly sandy CLAY.
BH24-06	3	D	0.50	-	Brown sandy GRAVEL.
BH24-06	4	LB	0.50	0.80	Brown very sandy clayey GRAVEL.
BH24-06	9	LB	1.00	1.20	Brown slightly gravelly slightly sandy CLAY.



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7203

Client Ref:

24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-01	3	B	0.40	0.60	Brown very sandy very silty GRAVEL.
BH24-01	4	B	0.90	1.20	Brown very gravelly sandy CLAY.
BH24-01	6	U	1.50	1.95	Brown slightly sandy CLAY.
BH24-01	9	U	3.00	3.45	Stiff brown slightly sandy CLAY.
BH24-01	10	D	3.50	-	Brown slightly sandy CLAY.
BH24-01	13	U	4.50	4.95	Very stiff brown slightly sandy CLAY.
BH24-01	17	U	6.00	6.45	Very stiff brown slightly sandy CLAY.
BH24-01	18	D	6.50	-	Brown slightly sandy CLAY.
BH24-01	21	U	7.50	7.95	Very stiff brown slightly sandy CLAY.
BH24-01	25	U	9.00	9.45	Very stiff brown slightly sandy CLAY.
BH24-01	26	D	9.50	-	Brown slightly sandy CLAY.
BH24-01	29	U	10.50	10.95	Stiff brown slightly sandy CLAY.
BH24-01	30	D	11.00	-	Brown slightly sandy CLAY.
BH24-01	33	U	12.00	12.45	Very stiff brown slightly sandy CLAY.
BH24-01	37	U	13.50	13.95	Very stiff brown slightly sandy CLAY.
BH24-01	39	D	14.00	14.45	Brown slightly sandy CLAY.
BH24-01	41	U	15.00	15.45	Stiff brown slightly sandy CLAY.
BH24-01	45	U	16.50	16.95	Stiff brown slightly sandy CLAY.
BH24-01	46	D	17.00	-	Brown slightly sandy CLAY.



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7023

Client Ref:

24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-01	48	D	17.07	-	Brown slightly sandy CLAY.
BH24-01	49	U	18.00	18.45	Very stiff brown slightly sandy CLAY.
BH24-01	53	U	19.50	19.95	Brown slightly sandy CLAY.
BH24-01	54	D	20.00	-	Brown slightly sandy CLAY.
BH24-01	57	U	21.00	21.45	Very stiff brown slightly sandy CLAY.
BH24-01	61	U	22.50	22.95	Hard brown slightly gravelly slightly sandy CLAY.
BH24-01	62	D	23.00	-	Brown slightly sandy CLAY.
BH24-01	65	U	24.00	24.45	Hard brown slightly sandy CLAY.
BH24-01	67	B	25.00	25.50	Brown slightly sandy CLAY.



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7023
Client Ref:
24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-02	6	B	0.90	1.20	Brown slightly sandy CLAY.
BH24-02	7	D	1.20	-	Brown slightly gravelly slightly sandy CLAY.
BH24-02	9	U	1.50	1.95	Brown slightly sandy CLAY.
BH24-02	12	U	3.00	3.45	Firm brown slightly sandy CLAY.
BH24-02	13	D	3.50	-	Brown slightly sandy CLAY.
BH24-02	15	D	4.20	-	Brown slightly sandy CLAY.
BH24-02	16	U	4.50	4.95	Very stiff brown slightly sandy CLAY.
BH24-02	17	D	5.00	-	Brown slightly gravelly slightly sandy CLAY.
BH24-02	19	D	5.70	-	Brown slightly sandy CLAY.
BH24-02	20	U	6.00	6.45	Very stiff brown slightly sandy CLAY.
BH24-02	23	D	7.20	-	Brown slightly sandy CLAY.
BH24-02	24	U	7.50	7.95	Very stiff brown slightly sandy CLAY.
BH24-02	25	D	8.00	-	Brown slightly sandy CLAY.
BH24-02	28	U	9.00	9.45	Stiff brown slightly sandy CLAY.
BH24-02	29	D	9.50	-	Brown CLAY.
BH24-02	31	D	10.20	-	Brown CLAY.
BH24-02	32	U	10.50	10.95	Stiff brown slightly sandy CLAY.
BH24-02	33	D	11.00	-	Brown CLAY.
BH24-02	34	D	11.00	11.45	Brown CLAY.



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7024

Client Ref:

24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-02	36	U	12.00	12.45	Brown CLAY.
BH24-02	37	D	12.50	-	Brown CLAY.
BH24-02	40	U	13.50	13.95	Brown CLAY.
BH24-02	41	D	14.00	-	Brown CLAY.
BH24-02	43	D	14.70	-	Brown CLAY.
BH24-02	44	D	15.00	-	Brown CLAY.



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7024
Client Ref:
24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-03	9	U	2.50	2.95	Stiff brown slightly sandy CLAY.
BH24-03	10	D	3.00	-	Brown slightly sandy CLAY
BH24-03	12	U	3.50	3.95	Brown slightly gravelly slightly sandy CLAY.
BH24-03	13	D	4.00	-	Brown slightly sandy CLAY
BH24-03	15	U	4.50	4.95	Stiff brown slightly sandy CLAY.
BH24-03	16	D	5.00	-	Brown slightly sandy CLAY
BH24-03	18	U	6.00	6.45	Very stiff brown slightly sandy CLAY.
BH24-03	19	D	6.50	-	Brown slightly sandy CLAY
BH24-03	22	U	7.50	7.95	Very stiff brown slightly sandy CLAY.
BH24-03	23	D	8.00	8.45	Brown slightly sandy CLAY
BH24-03	24	U	9.00	9.45	Very stiff brown slightly sandy CLAY.
BH24-03	25	D	9.50	-	Brown slightly sandy CLAY
BH24-03	26	D	9.50	9.95	Brown slightly sandy CLAY
BH24-03	27	U	10.50	10.95	Very stiff brown slightly sandy CLAY.
BH24-03	30	U	12.00	12.45	Brown slightly sandy CLAY.
BH24-03	33	U	13.50	13.95	Very stiff brown slightly sandy CLAY.
BH24-03	34	D	14.00	-	Brown slightly sandy CLAY.
BH24-03	36	U	16.50	16.95	Very stiff brown slightly sandy CLAY.
BH24-03	38	D	17.00	17.45	Brown slightly gravelly slightly sandy CLAY.



Thorney Lane Phase 1 Due Dilligence

Contract No:

PSL24/7021

Client Ref:

24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-03	39	U	18.00	18.45	Very stiff brown slightly sandy CLAY.
BH24-03	42	U	19.50	19.95	Brown CLAY.
BH24-03	45	U	21.00	21.45	Hard brown CLAY.
BH24-03	46	D	21.50	-	Brown CLAY.
BH24-03	48	U	22.50	22.95	Brown CLAY.
BH24-03	49	D	23.00	23.45	Brown slightly sandy CLAY.
BH24-03	50	U	24.00	24.45	Hard brown slightly sandy CLAY.
BH24-03	53	U	26.00	26.45	Brown slightly gravelly slightly sandy CLAY.
BH24-03	55	D	26.50	26.95	Brown slightly sandy CLAY.
BH24-03	56	U	27.50	27.95	Very stiff brown slightly sandy CLAY.
BH24-03	59	U	29.00	29.45	Brown slightly sandy CLAY.
BH24-03	60	D	29.50	-	Brown slightly sandy CLAY.
BH24-03	61	D	29.50	29.95	Brown slightly sandy CLAY.



Thorney Lane Phase 1 Due Dilligence

Contract No:
PSL24/7021
Client Ref:
24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-04A	9	B	1.65	2.00	Brown very sandy very clayey GRAVEL.
BH24-04A	10	D	2.00	-	Brown very gravelly very sandy CLAY.
BH24-04A	11	B	2.00	2.50	Brown mottled grey slightly gravelly sandy CLAY.
BH24-04A	13	D	4.00	-	Brown slightly sandy CLAY.
BH24-04A	14	U	4.00	4.45	Stiff brown slightly sandy CLAY.
BH24-04A	15	D	4.50	-	Brown slightly sandy CLAY.
BH24-04A	16	D	5.00	-	Brown slightly sandy CLAY.
BH24-04A	17	D	5.00	5.45	Brown slightly sandy CLAY.
BH24-04A	18	D	6.00	-	Brown slightly sandy CLAY.
BH24-04A	19	U	6.00	6.45	Stiff brown slightly sandy CLAY.
BH24-04A	20	D	6.50	-	Brown slightly sandy CLAY.
BH24-04A	21	D	7.00	-	Brown slightly sandy CLAY.
BH24-04A	23	D	8.00	-	Brown slightly sandy CLAY.
BH24-04A	25	U	9.00	9.45	Very stiff brown slightly sandy CLAY.
BH24-04A	26	D	9.50	-	Brown slightly sandy CLAY.



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7020

Client Ref:

24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-05	7	B	3.00	3.50	Brown very gravelly sandy CLAY.
BH24-05	12	U	4.50	4.95	Stiff brown slightly gravelly slightly sandy CLAY.
BH24-05	15	D	7.00	-	Brown slightly sandy CLAY.
BH24-05	16	U	7.50	7.95	Brown slightly sandy CLAY.
BH24-05	20	D	10.00	-	Brown slightly gravelly slightly sandy CLAY.
BH24-05	21	U	10.50	10.95	Stiff brown slightly sandy CLAY.
BH24-05	22	D	11.00	-	Brown slightly sandy CLAY.
BH24-05	25	D	13.00	-	Brown slightly sandy CLAY.
BH24-05	26	U	13.50	13.95	Very stiff brown slightly sandy CLAY.
BH24-05	29	D	16.00	-	Brown slightly sandy CLAY.
BH24-05	30	U	16.50	16.95	Hard brown slightly sandy CLAY.
BH24-05	35	U	19.50	19.95	Hard brown slightly sandy CLAY.
BH24-05	36	D	20.00	-	Brown slightly sandy CLAY.
BH24-05	39	D	21.00	21.45	Brown slightly gravelly slightly sandy CLAY.
BH24-05	40	D	22.00	-	Brown slightly sandy CLAY.
BH24-05	41	U	22.00	22.45	Stiff brown slightly sandy CLAY.
BH24-05	43	U	23.50	23.95	Brown slightly gravelly sandy CLAY.
BH24-05	44	D	24.00	24.45	Brown slightly gravelly very sandy CLAY.
BH24-05	45	U	25.00	25.45	Firm brown gravelly sandy CLAY.



Thorney Lane Phase 1 Due Diligence

Contract No:



PSL24/7025

Client Ref:

24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-05	46	D	25.50	25.95	Brown mottled grey sandy CLAY.
BH24-05	47	D	26.00	-	Brown mottled grey slightly sandy CLAY.

 	Thorney Lane Phase 1 Due Diligence	Contract No:
		PSL24/7025
		Client Ref:
		24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-06	16	B	2.50	3.00	Brown slightly sandy slightly silty GRAVEL.
BH24-06	18	D	3.00	-	Brown slightly gravelly slightly sandy CLAY.
BH24-06	20	U	3.50	3.95	Stiff brown slightly sandy CLAY.
BH24-06	21	D	4.00	-	Brown slightly sandy CLAY.
BH24-06	24	U	6.00	6.45	Stiff brown slightly sandy CLAY.
BH24-06	29	U	9.00	9.45	Brown slightly sandy CLAY.
BH24-06	30	D	10.00	-	Brown CLAY.
BH24-06	34	U	12.00	12.45	Stiff brown slightly sandy CLAY.
BH24-06	35	D	13.50	13.95	Brown slightly gravelly slightly sandy CLAY.
BH24-06	36	D	14.00	-	Brown slightly sandy CLAY.
BH24-06	38	U	15.00	15.45	Brown slightly gravelly slightly sandy CLAY.
BH24-06	42	D	18.00	-	Brown slightly sandy CLAY.
BH24-06	43	U	18.00	18.45	Hard brown slightly sandy CLAY.
BH24-06	45	D	19.50	19.95	Brown slightly sandy CLAY.
BH24-06	46	D	20.00	-	Brown slightly sandy CLAY.



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/6955

Client Ref:

24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-07	6	U	4.50	4.95	Very stiff brown slightly gravelly slightly sandy CLAY.
BH24-07	7	D	5.00	-	Brown slightly sandy CLAY.
BH24-07	9	U	6.00	6.45	Very stiff brown slightly sandy CLAY.
BH24-07	10	D	6.50	-	Brown slightly sandy CLAY.
BH24-07	14	U	7.50	7.95	Very stiff brown slightly sandy CLAY.
BH24-07	16	D	8.00	8.45	Brown slightly sandy CLAY.
BH24-07	18	U	9.00	9.45	Very stiff brown slightly sandy CLAY.
BH24-07	22	D	11.00	-	Brown slightly gravelly slightly sandy CLAY.
BH24-07	25	U	12.00	12.45	Stiff brown slightly sandy CLAY.
BH24-07	26	D	12.50	-	Brown slightly sandy CLAY.
BH24-07	28	U	13.50	13.95	Hard brown slightly sandy CLAY.
BH24-07	30	U	15.00	15.45	Very stiff brown slightly sandy CLAY.
BH24-07	31	D	15.50	-	Brown slightly sandy CLAY.
BH24-07	33	D	16.20	-	Brown slightly sandy CLAY.
BH24-07	34	U	16.50	16.95	Hard brown slightly sandy CLAY.
BH24-07	36	D	17.00	17.45	Brown slightly sandy CLAY.
BH24-07	38	U	18.00	18.45	Hard brown slightly sandy CLAY.
BH24-07	41	D	19.20	-	Brown slightly sandy CLAY.
BH24-07	42	U	19.50	19.95	Hard brown CLAY.



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7022

Client Ref:

24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-07	46	U	21.00	21.45	Very stiff brown slightly sandy CLAY.
BH24-07	49	D	22.20	-	Brown slightly sandy CLAY.
BH24-07	50	U	22.50	22.95	Hard brown slightly sandy CLAY.
BH24-07	51	D	23.00	-	Brown slightly sandy CLAY.
BH24-07	54	U	24.00	24.45	Hard brown slightly gravelly slightly sandy CLAY.
BH24-07	56	D	24.50	24.95	Brown slightly sandy CLAY.
BH24-07	58	U	25.50	25.95	Very stiff brown slightly gravelly slightly sandy CLAY.
BH24-07	60	D	26.00	26.45	Brown slightly gravelly slightly sandy CLAY.
BH24-07	62	U	27.00	27.45	Brown sandy CLAY.
BH24-07	65	D	28.20	-	Brown sandy CLAY.
BH24-07	67	U	30.00	30.45	Very stiff brown sandy CLAY.
BH24-07	69	U	31.50	31.95	Very stiff brown sandy CLAY.
BH24-07	70	D	32.00	-	Brown slightly sandy CLAY.



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-08	1	B	0.30	0.50	Brown very clayey SAND AND GRAVEL.
BH24-08	3	B	0.70	0.90	Brown sandy clayey GRAVEL with some cobbles.
BH24-08	6	B	1.00	1.20	Brown very gravelly sandy CLAY.
BH24-08	8	D	1.50	1.95	Brown very sandy slightly silty GRAVEL.
BH24-08	11	B	2.50	2.70	Brown very sandy slightly silty GRAVEL.
BH24-08	13	B	2.70	3.20	Brown slightly sandy CLAY.
BH24-08	16	U	3.50	3.95	Stiff brown slightly sandy CLAY.
BH24-08	18	U	6.00	6.45	Very stiff brown slightly sandy CLAY.
BH24-08	20	U	7.50	7.95	Brown slightly sandy CLAY.
BH24-08	21	D	8.00	-	Brown slightly sandy CLAY.
BH24-08	23	U	9.00	9.45	Very stiff brown slightly sandy CLAY.
BH24-08	24	D	9.50	-	Brown slightly sandy CLAY.
BH24-08	26	U	10.50	10.95	Very stiff brown slightly sandy CLAY.
BH24-08	28	D	11.00	11.45	Brown slightly sandy CLAY.
BH24-08	29	U	12.00	12.45	Brown slightly sandy CLAY.
BH24-08	32	U	13.50	13.95	Stiff brown slightly sandy CLAY.
BH24-08	35	U	15.00	15.45	Hard brown slightly sandy CLAY.
BH24-08	36	D	15.50	-	Brown slightly gravelly slightly sandy CLAY.
BH24-08	38	U	16.50	16.95	Stiff brown slightly sandy CLAY.



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7027

Client Ref:

24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-08	39	D	17.00	-	Brown slightly sandy CLAY.
BH24-08	40	D	17.00	17.45	Brown slightly sandy CLAY.
BH24-08	41	U	18.00	18.45	Very stiff brown slightly sandy CLAY.
BH24-08	44	U	19.50	19.95	Brown slightly sandy CLAY.
BH24-08	45	D	20.00	-	Brown slightly sandy CLAY.
BH24-08	46	D	20.00	20.45	Brown slightly sandy CLAY.
BH24-08	48	D	21.50	-	Brown slightly sandy CLAY.
BH24-08	50	U	22.50	22.95	Very stiff brown sandy CLAY.
BH24-08	51	D	23.00	-	Brown slightly sandy CLAY.
BH24-08	53	U	24.00	24.45	Stiff brown slightly sandy CLAY.
BH24-08	56	U	25.50	25.95	Very stiff brown sandy CLAY.
BH24-08	58	B	26.00	26.50	Brown sandy CLAY.
BH24-08	59	D	26.00	26.45	Brown sandy CLAY.
BH24-08	60	U	27.00	27.45	Brown mottled grey slightly sandy CLAY.
BH24-08	61	D	27.50	-	Brown mottled grey slightly sandy CLAY.
BH24-08	62	D	27.50	27.95	Brown mottled grey slightly sandy CLAY.
BH24-08	63	B	28.00	28.50	Brown sandy CLAY.
BH24-08	64	D	29.00	29.45	Brown sandy CLAY.
BH24-08	65	U	30.00	30.45	Brown mottled grey sandy CLAY.



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7027

Client Ref:

24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-09	15	B	3.00	3.45	Brown slightly gravelly slightly sandy CLAY.
BH24-09	26	D	7.00	-	Brown slightly sandy CLAY.
BH24-09	32	U	10.50	10.95	Brown slightly sandy CLAY.
BH24-09	33	D	11.00	-	Brown slightly sandy CLAY.
BH24-09	37	U	13.50	13.95	Stiff brown slightly sandy CLAY.
BH24-09	38	D	14.00	-	Brown slightly sandy CLAY.
BH24-09	39	D	15.00	-	Brown slightly sandy CLAY.
BH24-09	42	U	16.50	16.95	Stiff brown slightly sandy CLAY.
BH24-09	47	U	19.50	19.95	Very stiff brown slightly gravelly slightly sandy CLAY.
BH24-09	48	D	20.00	-	Brown slightly sandy CLAY.



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/6956
Client Ref:
24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
BH24-10	3	D	0.50		Brown gravelly sandy CLAY.
BH24-10	4	B	0.90	1.20	Brown gravelly sandy slightly silty CLAY.
BH24-10	6	B	1.50	1.95	Brown very sandy clayey GRAVEL.
BH24-10	9	B	3.00	3.45	Brown silty SAND AND GRAVEL.
BH24-10	10	B	4.00	4.50	Brown gravelly sandy CLAY.
BH24-10	12	U	4.50	4.95	Stiff brown slightly sandy CLAY.
BH24-10	15	B	6.00	6.50	Brown slightly gravelly slightly sandy CLAY.
BH24-10	17	U	7.50	7.95	Very stiff brown slightly sandy CLAY.
BH24-10	20	U	9.00	9.45	Stiff brown slightly gravelly slightly sandy CLAY.
BH24-10	22	D	9.50	-	Brown slightly sandy CLAY.
BH24-10	23	D	10.00	-	Brown slightly sandy CLAY.



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7201
Client Ref:
24/3980

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
DS24-01	1	B	0.30	0.65	Brown sandy clayey GRAVEL.
DS24-05	5	B	1.20		Brown very gravelly sandy CLAY.
DS24-07	1	B	0.30	0.50	Brown very gravelly sandy CLAY.
DS24-07	3	B	0.70	0.90	Brown very sandy very clayey GRAVEL.



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7202
Client Ref:
24/3980

SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Water Content %	Linear Shrinkage	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 0.425mm %	Remarks
BH24-01	1	LB	0.25	0.40	14.7							
BH24-02	3	D	0.50	-	8.3							
BH24-02	4	B	0.50	0.70	15.9			34	17	17	75	Low Plasticity CIL
BH24-02	5	B	0.70	0.90	8.4				NP			
BH24-04	3	B	0.70	0.90	10.5							
BH24-04A	1	LB	0.30	0.50	15.0			45	22	23	75	Medium Plasticity CIM
BH24-04A	3	D	0.40	-	10.2							
BH24-04A	5	B	0.90	1.20	21.3			37	19	18	72	Medium Plasticity CIM
BH24-04A	6	D	1.20	-	17.0							
BH24-05	4	B	1.60	2.10	26.4			40	20	20	65	Medium Plasticity CIM
BH24-05	5	D	2.00	-	24.1							
BH24-06	3	D	0.50	-	7.3							
BH24-06	9	LB	1.00	1.20	20.2							



Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022

Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7

Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9

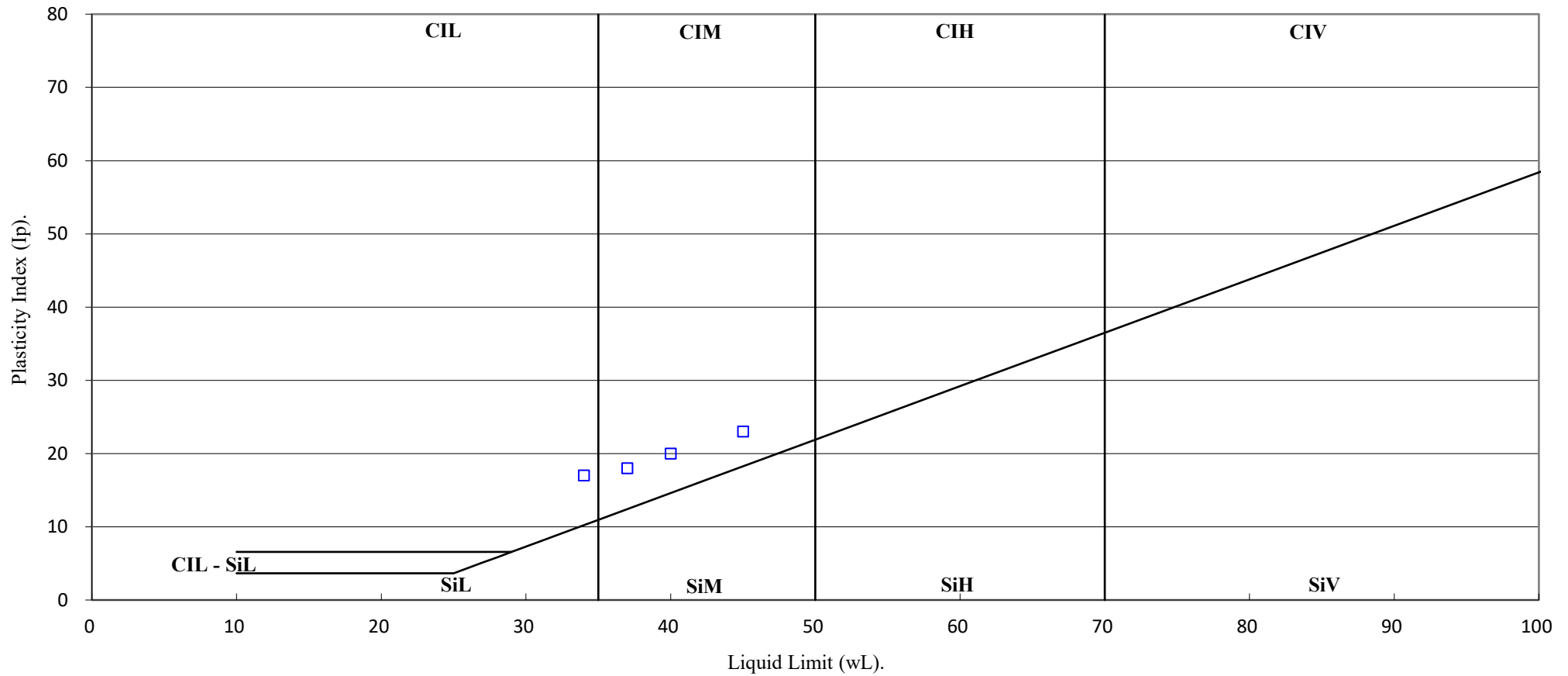
Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic

		<h2 style="margin: 0;">Thorney Lane Phase 1 Due Diligence</h2>	Contract No:
			PSL24/7203
			Client Ref:
			24/3980

PLASTICITY CHART

BS EN ISO 14688-2:2017 Clause 4.4



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7203

Client Ref:

SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Water Content %	Linear Shrinkage	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 0.425mm %	Remarks
BH24-01	4	B	0.90	1.20	12.1			45	23	22	55	Intermediate Plasticity CIM
BH24-01	6	U	1.50	1.95	25.5			55	25	30	100	High Plasticity CIH
BH24-01	9	U	3.00	3.45	-			50	24	26	100	High Plasticity CIH
BH24-01	17	U	6.00	6.45	-			56	25	31	100	High Plasticity CIH
BH24-01	21	U	7.50	7.95	-			60	26	34	100	High Plasticity CIH
BH24-01	25	U	9.00	9.45	-			54	25	29	100	High Plasticity CIH
BH24-01	33	U	12.00	12.45	-			59	26	33	100	High Plasticity CIH
BH24-01	37	U	13.50	13.95	-			64	27	37	100	High Plasticity CIH
BH24-01	41	U	15.00	15.45	-			61	26	35	100	High Plasticity CIH
BH24-01	46	D	17.00	-	23.3			66	28	38	100	High Plasticity CIH
BH24-01	49	U	18.00	18.45	-			68	28	40	100	High Plasticity CIH
BH24-01	53	U	19.50	19.95	20.3			68	29	39	100	High Plasticity CIH
BH24-01	57	U	21.00	21.45	-			62	27	35	100	High Plasticity CIH
BH24-01	62	D	23.00	-	21.5			62	26	36	100	High Plasticity CIH
BH24-01	65	U	24.00	24.45	-			50	24	26	100	High Plasticity CIH

Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022

Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7

Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9

Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic



Thorney Lane Phase 1 Due Diligence

Contract No:

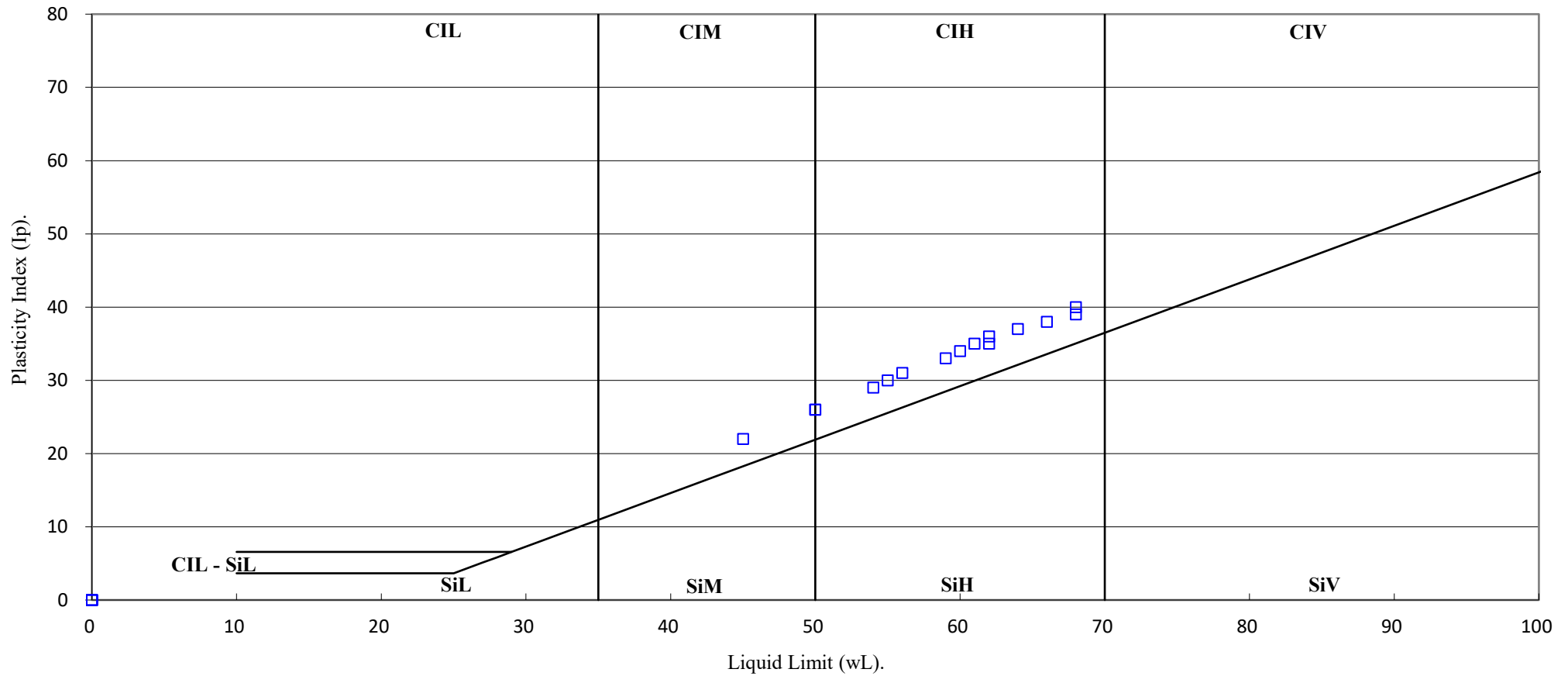
PSL24/7023

Client Ref:

24/3980

PLASTICITY CHART

BS EN ISO 14688-2:2017 Clause 4.4



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7023

Client Ref:



SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Water Content %	Linear Shrinkage	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 0.425mm %	Remarks
BH24-01	67	B	25.00	25.50	24.0			59	26	33	100	High Plasticity CIH

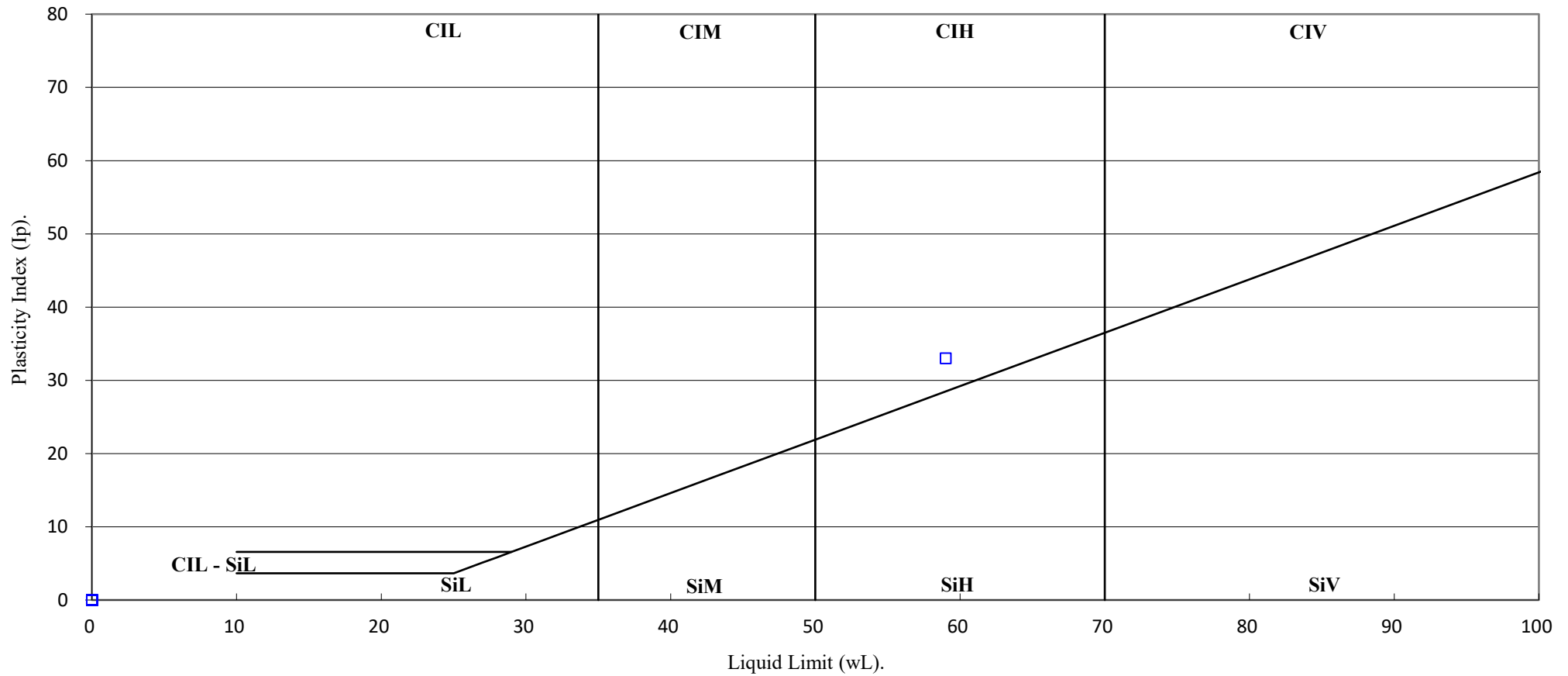
Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022
 Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7
 Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9
 Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic

		<h2 style="margin: 0;">Thorney Lane Phase 1 Due Diligence</h2>		Contract No:
				PSL24/7023
				Client Ref:
				24/3980

PLASTICITY CHART

BS EN ISO 14688-2:2017 Clause 4.4



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7023

Client Ref:

SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Water Content %	Linear Shrinkage	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 0.425mm %	Remarks
BH24-02	6	B	0.90	1.20	31.1			65	28	37	98	High Plasticity CIH
BH24-02	7	D	1.20	-	32.6							
BH24-02	9	U	1.50	1.95	22.2			61	27	34	100	High Plasticity CIH
BH24-02	13	D	3.50	-	23.8			70	29	41	100	Very High Plasticity CIV
BH24-02	15	D	4.20	-	22.2			69	29	40	100	High Plasticity CIH
BH24-02	17	D	5.00	-	10.0			56	25	31	97	High Plasticity CIH
BH24-02	19	D	5.70	-	21.8			60	26	34	100	High Plasticity CIH
BH24-02	23	D	7.20	-	24.7			61	26	35	100	High Plasticity CIH
BH24-02	25	D	8.00	-	23.7			68	29	39	100	High Plasticity CIH
BH24-02	29	D	9.50	-	23.7			70	30	40	100	Very High Plasticity CIV
BH24-02	31	D	10.20	-	25.3			72	31	41	100	Very High Plasticity CIV
BH24-02	34	D	11.00	11.45	25.2			71	31	40	100	Very High Plasticity CIV
BH24-02	37	D	12.50	-	25.3			70	29	41	100	Very High Plasticity CIV
BH24-02	41	D	14.00	-	24.3			72	30	42	100	Very High Plasticity CIV
BH24-02	44	D	15.00	-	33.2			73	30	43	100	Very High Plasticity CIV



Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022

Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7

Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9

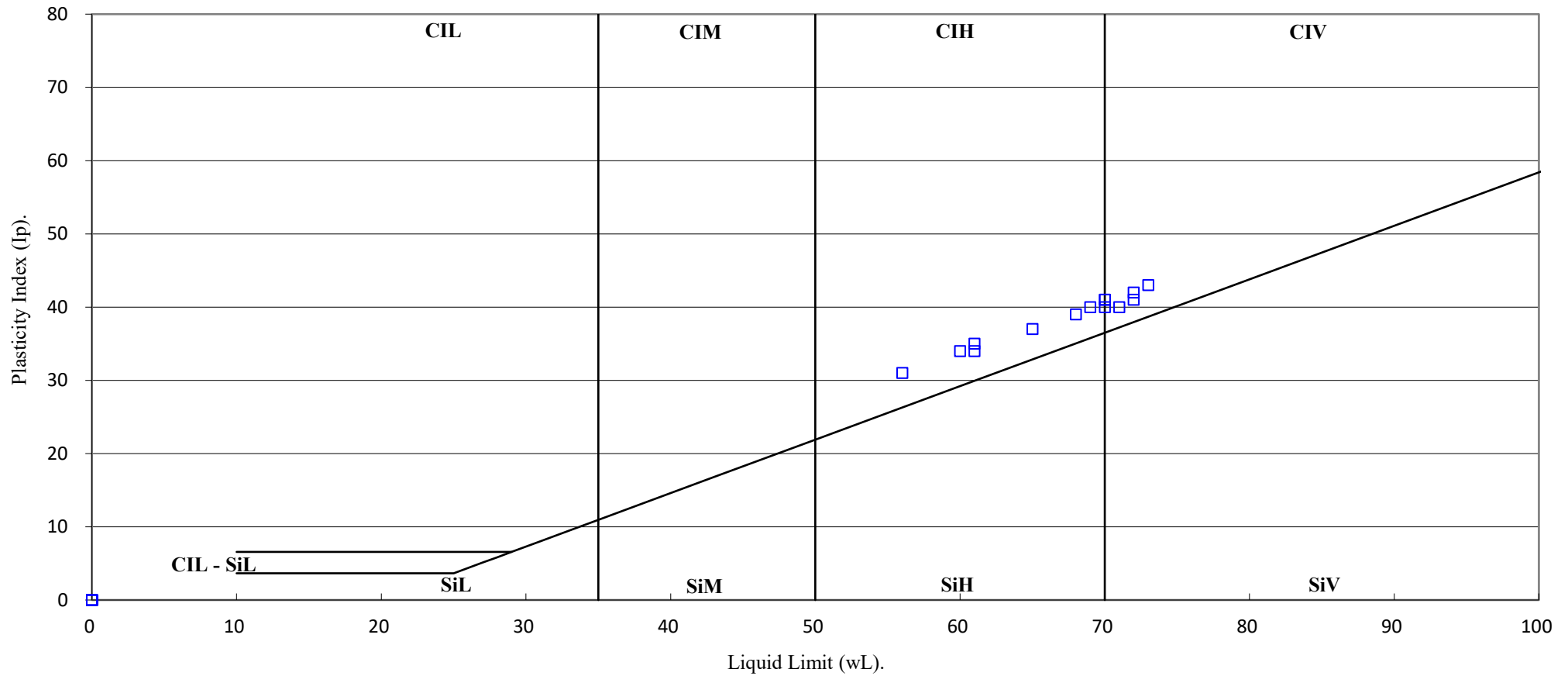
Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic

 	<p>Thorney Lane Phase 1 Due Diligence</p>	Contract No:
		PSL24/7024
		Client Ref:
		24/3980

PLASTICITY CHART

BS EN ISO 14688-2:2017 Clause 4.4



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7024

Client Ref:

SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Water Content %	Linear Shrinkage	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 0.425mm %	Remarks
BH24-03	10	D	3.00	-	23.0			50	24	26	100	High Plasticity CIH
BH24-03	12	U	3.50	3.95	25.0							
BH24-03	13	D	4.00	-	18.2			67	28	39	100	High Plasticity CIH
BH24-03	16	D	5.00	-	21.8			62	26	36	100	High Plasticity CIH
BH24-03	19	D	6.50	-	21.2			53	25	28	100	High Plasticity CIH
BH24-03	22	U	7.50	7.95	-			65	27	38	100	High Plasticity CIH
BH24-03	23	D	8.00	8.45	15.8							
BH24-03	26	D	9.50	9.95	15.2							
BH24-03	27	U	10.50	10.95	-			62	27	35	100	High Plasticity CIH
BH24-03	30	U	12.00	12.45	24.6			66	28	38	100	High Plasticity CIH
BH24-03	34	D	14.00	-	23.8			68	28	40	100	High Plasticity CIH
BH24-03	36	U	16.50	16.95	-			51	24	27	100	High Plasticity CIH
BH24-03	42	U	19.50	19.95	25.8			71	30	41	100	Very High Plasticity CIV
BH24-03	46	D	21.50	-	19.8			75	31	44	100	Very High Plasticity CIV
BH24-03	48	U	22.50	22.95	25							

Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022

Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7

Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9

Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic



Thorney Lane Phase 1 Due Dilligence

Contract No:

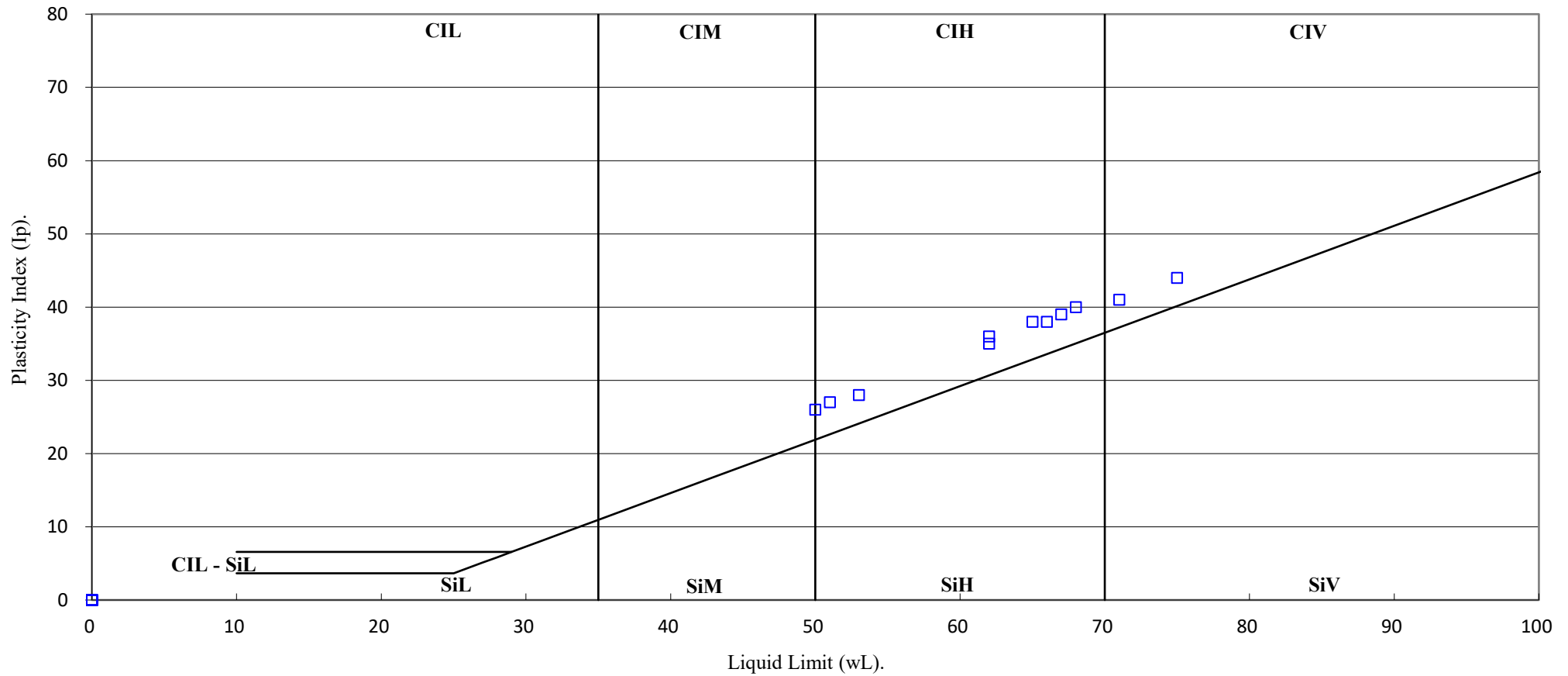
PSL24/7021

Client Ref:

24/3980

PLASTICITY CHART

BS EN ISO 14688-2:2017 Clause 4.4



Thorney Lane Phase 1 Due Dilligence

Contract No:

PSL24/7021

Client Ref:



SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Water Content %	Linear Shrinkage	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 0.425mm %	Remarks
BH24-03	49	D	23.00	23.45	23.6							
BH24-03	50	U	24.00	24.45	-			64	27	37	100	High Plasticity CIH
BH24-03	53	U	26.00	26.45	22.1							
BH24-03	55	D	26.50	26.95	19.7							
BH24-03	56	U	27.50	27.95	-			60	26	34	100	High Plasticity CIH
BH24-03	59	U	29.00	29.45	23.0			66	27	39	100	High Plasticity CIH
BH24-03	61	D	29.50	29.95	25.6							

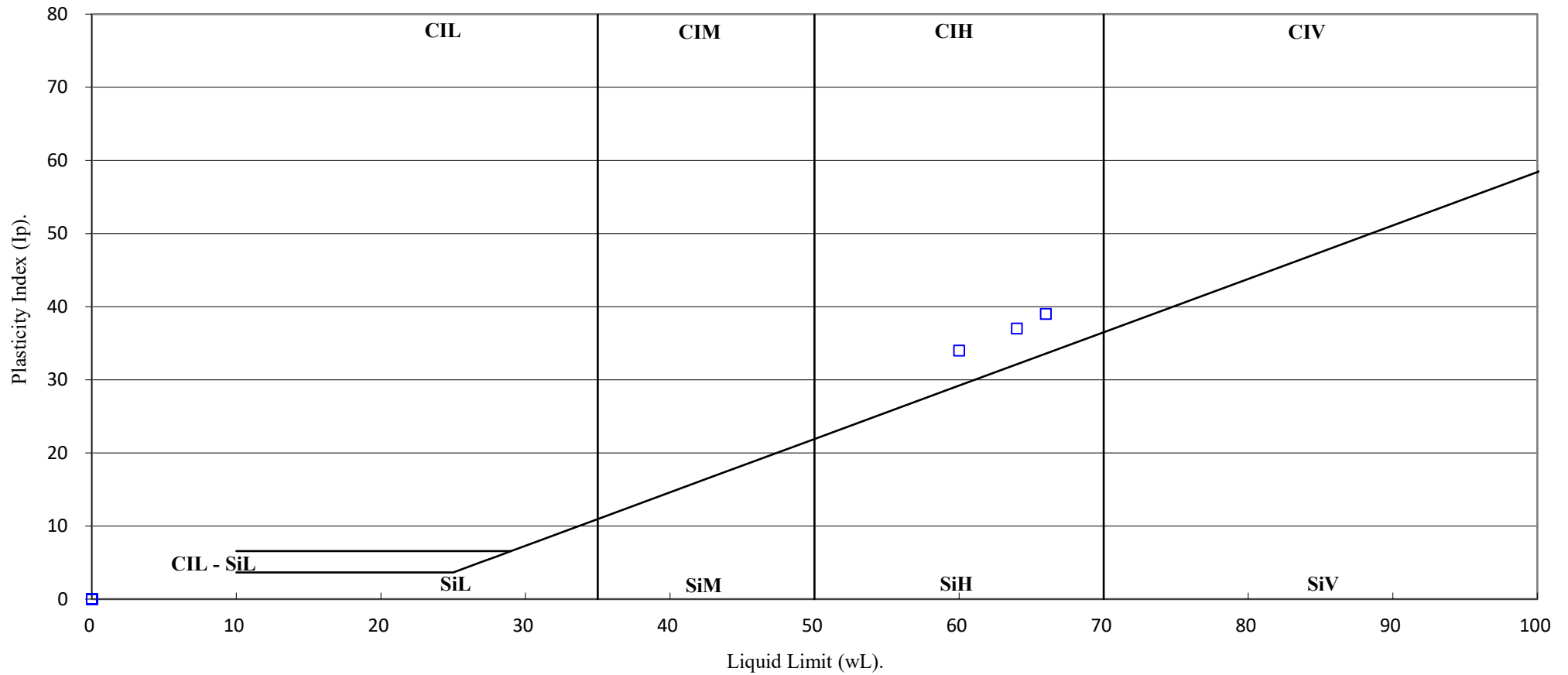
Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022
 Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7
 Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9
 Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic

		<h2 style="margin: 0;">Thorney Lane Phase 1 Due Dilligence</h2>		Contract No:
			PSL24/7021	
			Client Ref:	
			24/3980	

PLASTICITY CHART

BS EN ISO 14688-2:2017 Clause 4.4



Thorney Lane Phase 1 Due Dilligence

Contract No:

PSL24/7021

Client Ref:



SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Water Content %	Linear Shrinkage	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 0.425mm %	Remarks
BH24-04A	10	D	2.00	-	13.0							
BH24-04A	13	D	4.00	-	26.0			67	27	40	100	High Plasticity CIH
BH24-04A	16	D	5.00	-	26.0			66	26	40	100	High Plasticity CIH
BH24-04A	17	D	5.00	5.45	23.0							
BH24-04A	20	D	6.50	-	24.0			59	25	34	100	High Plasticity CIH
BH24-04A	23	D	8.00	-	27.0			68	29	39	100	High Plasticity CIH
BH24-04A	26	D	9.50	-	27.0			69	29	40	100	High Plasticity CIH

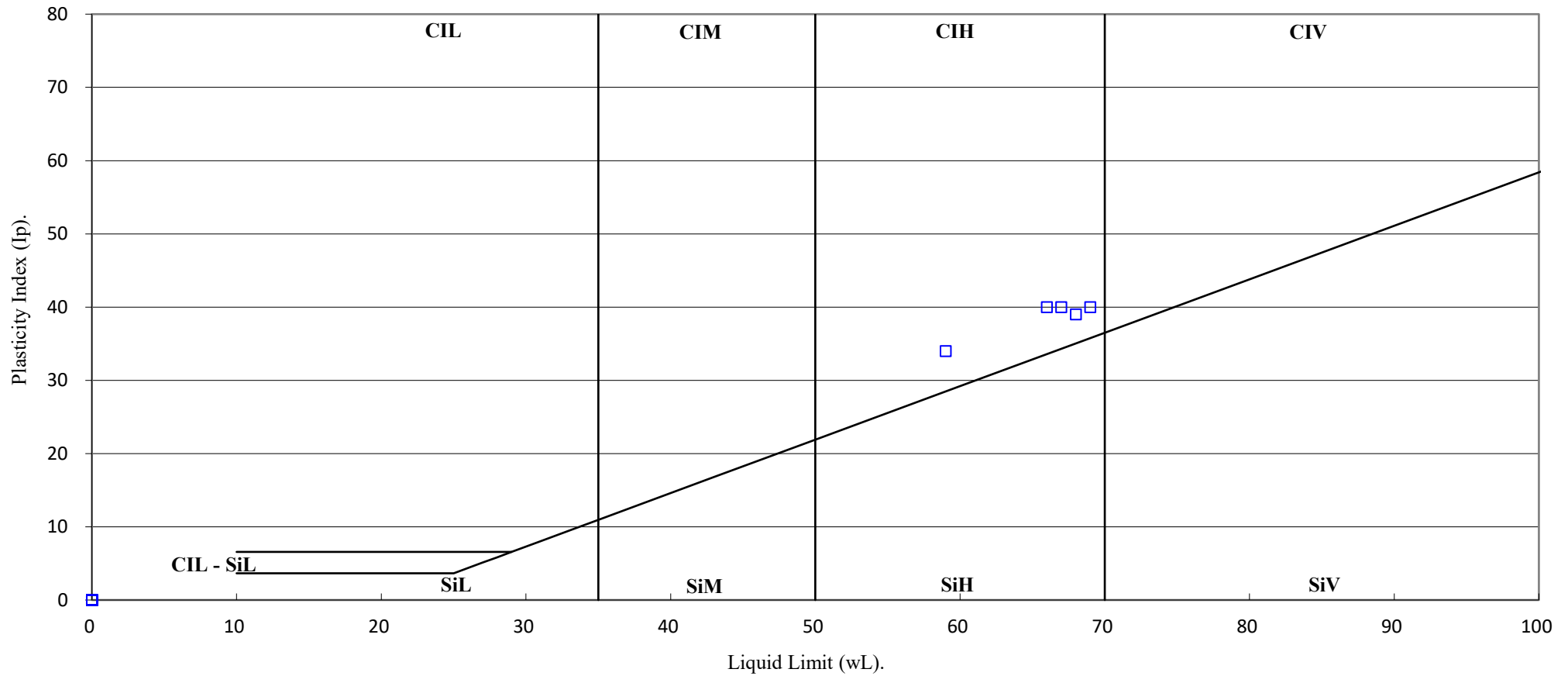
Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022
 Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7
 Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9
 Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic

		<h2 style="margin: 0;">Thorney Lane Phase 1 Due Diligence</h2>	Contract No:
			PSL24/7020
			Client Ref:
			24/3980

PLASTICITY CHART

BS EN ISO 14688-2:2017 Clause 4.4



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7020

Client Ref:

SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Water Content %	Linear Shrinkage	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 0.425mm %	Remarks
BH24-05	12	U	4.50	4.95	-			55	25	30	99	High Plasticity CIH
BH24-05	15	D	7.00	-	28.0							
BH24-05	16	U	7.50	7.95	23.0			51	25	26	100	High Plasticity CIH
BH24-05	20	D	10.00	-	32.0			64	27	37	97	High Plasticity CIH
BH24-05	22	D	11.00	-	26.0			65	28	37	100	High Plasticity CIH
BH24-05	25	D	13.00	-	28.0			68	29	39	100	High Plasticity CIH
BH24-05	29	D	16.00	-	25.0			67	29	38	100	High Plasticity CIH
BH24-05	36	D	20.00	-	23.0			50	24	26	100	High Plasticity CIH
BH24-05	40	D	22.00	-	31.0			59	25	34	100	High Plasticity CIH
BH24-05	45	U	25.00	25.45	-			44	21	23	89	Intermediate Plasticity CIM
BH24-05	47	D	26.00	-	21.0			65	27	38	100	High Plasticity CIH



Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022

Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7

Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9

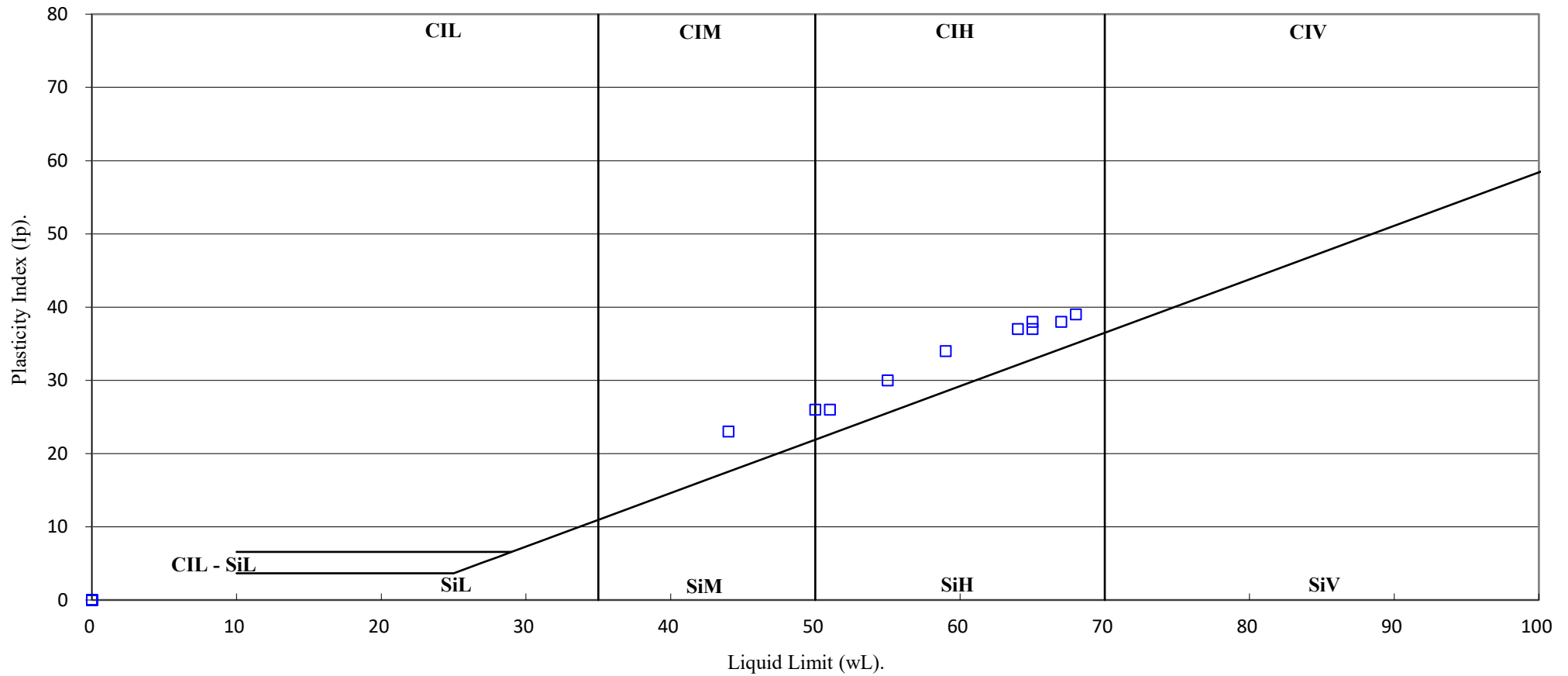
Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic

		<h2 style="margin: 0;">Thorney Lane Phase 1 Due Diligence</h2>	Contract No:
			PSL24/7025
			Client Ref:
			24/3980

PLASTICITY CHART

BS EN ISO 14688-2:2017 Clause 4.4



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7025

Client Ref:

SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Water Content %	Linear Shrinkage	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 0.425mm %	Remarks
BH24-06	16	B	2.50	3.00	4.0							
BH24-06	18	D	3.00	-	24.0			58	25	33	96	High Plasticity CIH
BH24-06	21	D	4.00	-	21.0			59	25	34	100	High Plasticity CIH
BH24-06	24	U	6.00	6.45				51	24	27	100	High Plasticity CIH
BH24-06	29	U	9.00	9.45	23.0			61	26	35	100	High Plasticity CIH
BH24-06	36	D	14.00	-	27.0			65	28	37	100	High Plasticity CIH
BH24-06	38	U	15.00	15.45	24.0			65	27	38	97	High Plasticity CIH
BH24-06	42	D	18.00	-	24.0			60	26	34	100	High Plasticity CIH
BH24-06	46	D	20.00	-	21.0			66	27	39	100	High Plasticity CIH



Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022

Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7

Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9

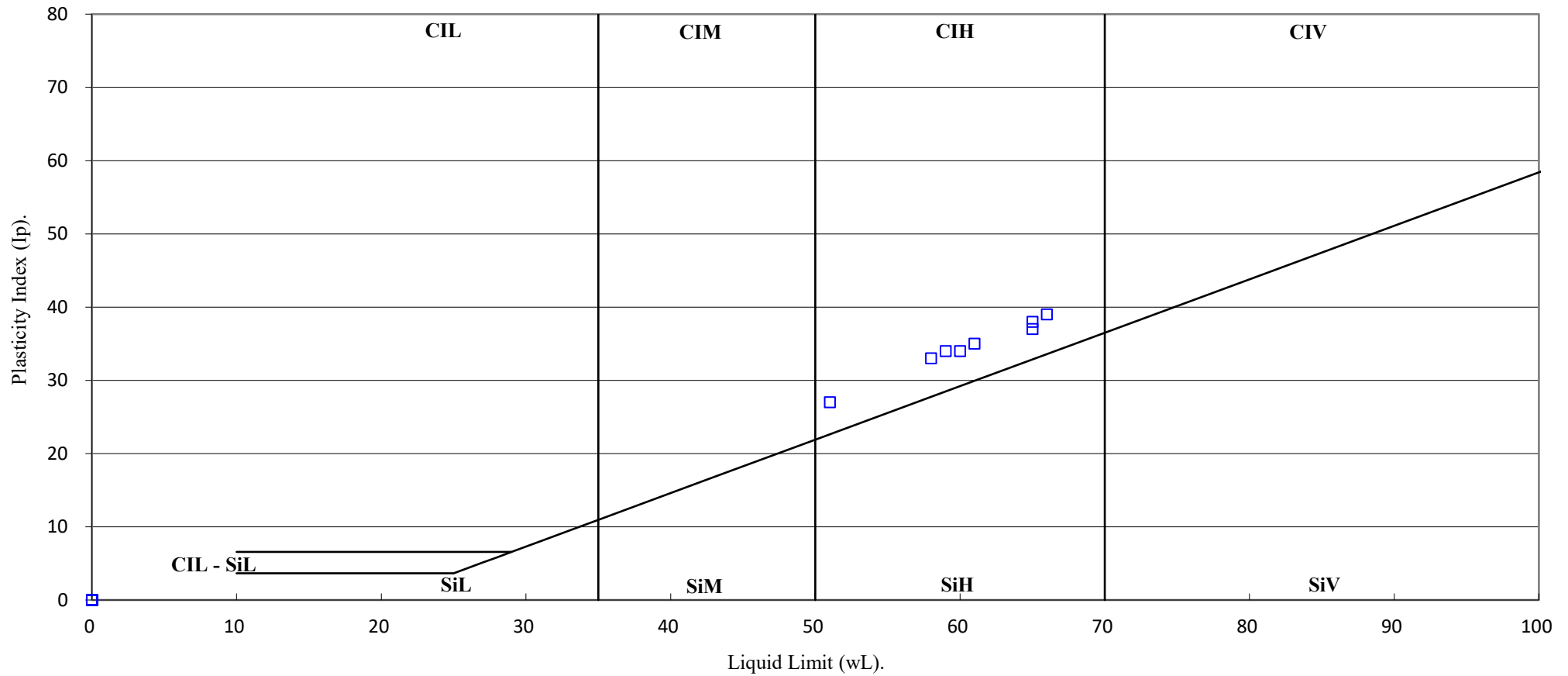
Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic

		<h2 style="margin: 0;">Thorney Lane Phase 1 Due Diligence</h2>	Contract No:
			PSL24/6955
			Client Ref:
			24/3980

PLASTICITY CHART

BS EN ISO 14688-2:2017 Clause 4.4



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/6955

Client Ref:

SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Water Content %	Linear Shrinkage	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 0.425mm %	Remarks
BH24-07	6	U	4.50	4.95				61	26	35	90	High Plasticity CIH
BH24-07	7	D	5.00	-	21.4			63	28	35	100	High Plasticity CIH
BH24-07	18	U	9.00	9.45				53	25	28	100	High Plasticity CIH
BH24-07	25	U	12.00	12.45				63	27	36	100	High Plasticity CIH
BH24-07	28	U	13.50	13.95				64	28	36	100	High Plasticity CIH
BH24-07	36	D	17.00	17.45	26.0							
BH24-07	38	U	18.00	18.45				65	28	37	100	High Plasticity CIH
BH24-07	42	U	19.50	19.95				70	30	40	100	Very High Plasticity CIV
BH24-07	49	D	22.20	-	24.3			56	25	31	100	High Plasticity CIH
BH24-07	56	D	24.50	24.95	21.7			64	27	37	100	High Plasticity CIH
BH24-07	62	U	27.00	27.45	23.1			47	23	24	100	Medium Plasticity CIM
BH24-07	65	D	28.20	-	16.0			45	23	22	100	Medium Plasticity CIM
BH24-07	70	D	32.00	-	11.2			60	26	34	100	High Plasticity CIH



Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022

Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7

Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9

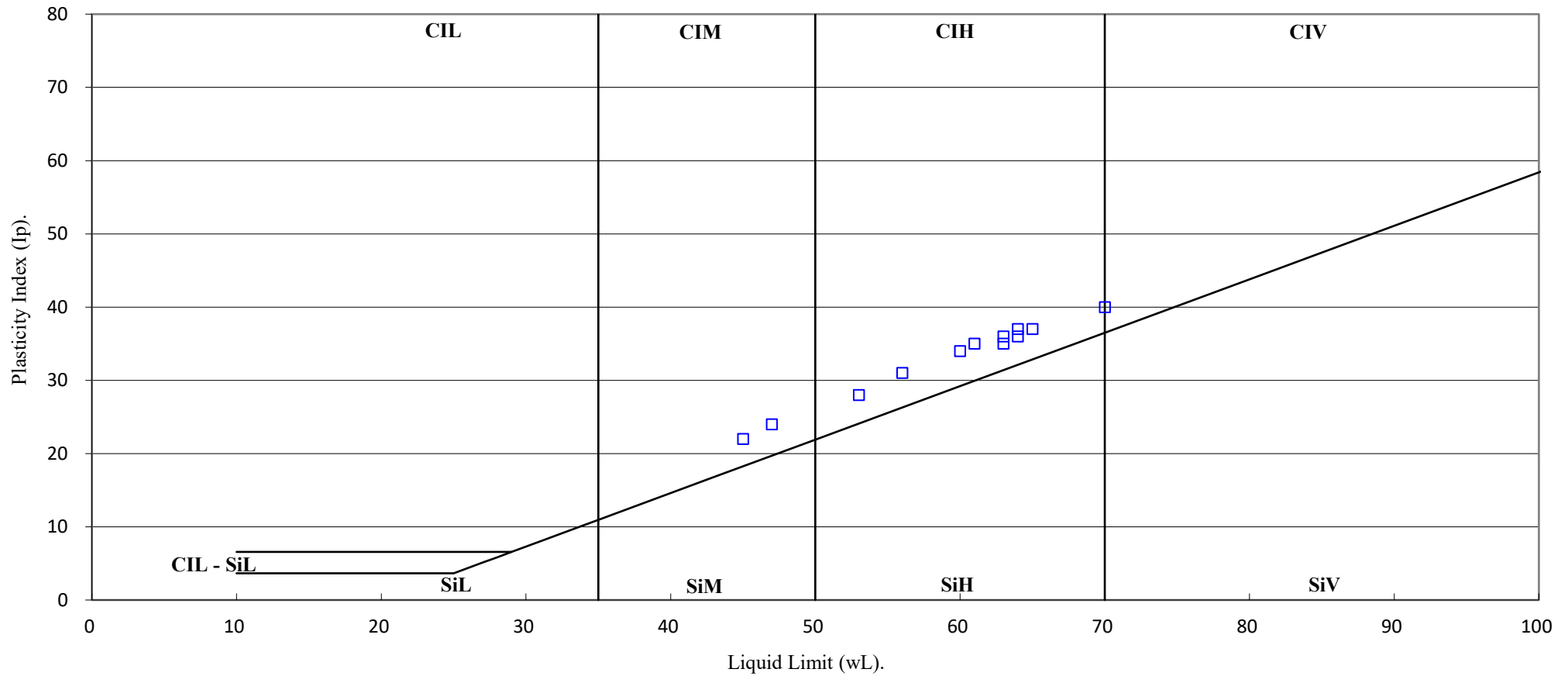
Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic

 	<p>Thorney Lane Phase 1 Due Diligence</p>	Contract No:
		PSL24/7022
		Client Ref:
		24/3980

PLASTICITY CHART

BS EN ISO 14688-2:2017 Clause 4.4



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7022

Client Ref:

SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Water Content %	Linear Shrinkage	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 0.425mm %	Remarks
BH24-08	1	B	0.30	0.50	12.5				NP			
BH24-08	6	B	1.00	1.20				42	20	22	45	Medium Plasticity CIM
BH24-08	8	D	1.50	1.95	8.9							
BH24-08	13	B	2.70	3.20	23.0							
BH24-08	16	U	3.50	3.95				53	25	28	100	High Plasticity CIH
BH24-08	20	U	7.50	7.95	12.1							
BH24-08	21	D	8.00	-	23.6			65	28	37	100	High Plasticity CIH
BH24-08	24	D	9.50	-	23.6			66	28	38	100	High Plasticity CIH
BH24-08	28	D	11.00	11.45	22.4			50	24	26	100	High Plasticity CIH
BH24-08	29	U	12.00	12.45	25.9							
BH24-08	35	U	15.00	15.45				78	30	48	100	Very High Plasticity CIV
BH24-08	36	D	15.50	-	22.2							
BH24-08	40	D	17.00	17.45	19.9							
BH24-08	41	U	18.00	18.45				82	28	54	100	Very High Plasticity CIV
BH24-08	44	U	19.50	19.95	23.7							

Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022

Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7

Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9

Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic



Thorney Lane Phase 1 Due Diligence

Contract No:

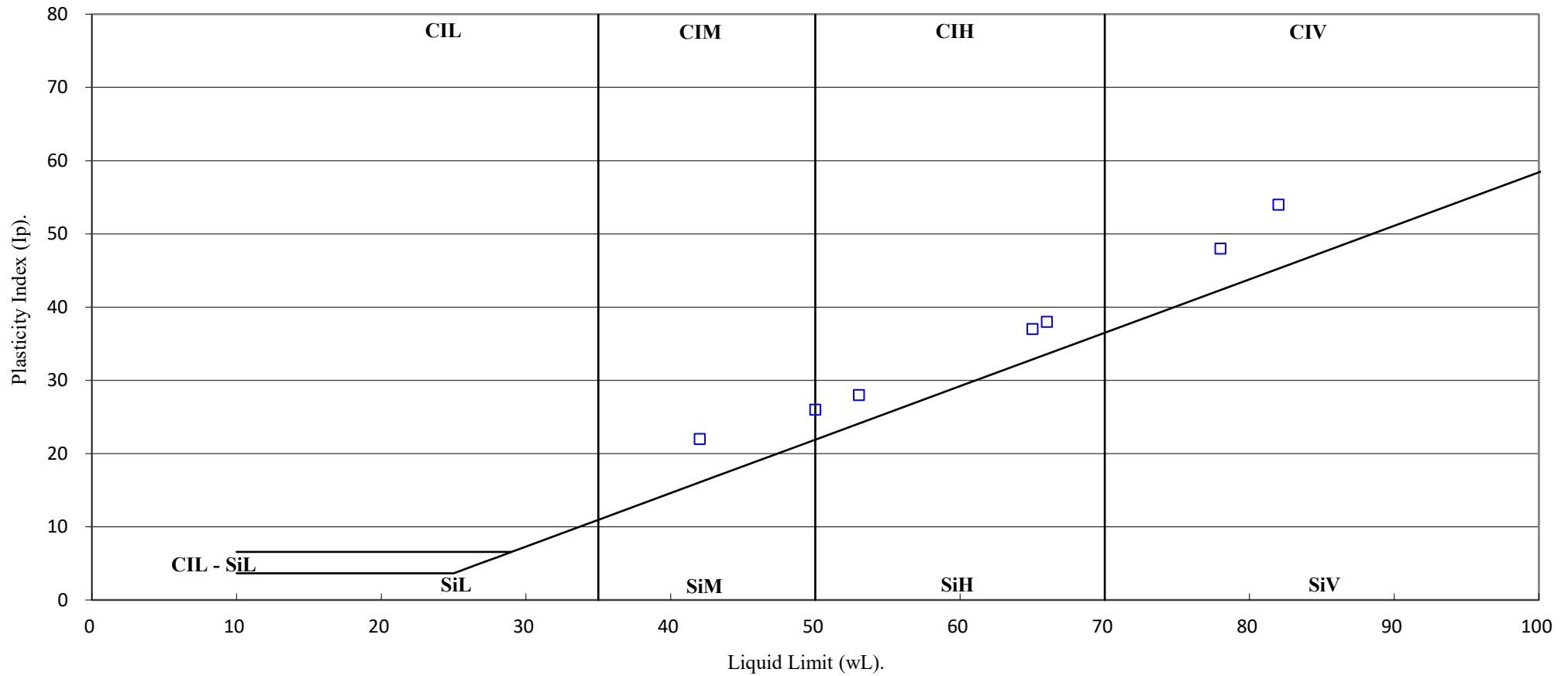
PSL24/7027

Client Ref:

24/3980

PLASTICITY CHART

BS EN ISO 14688-2:2017 Clause 4.4



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7027

Client Ref:

SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Water Content %	Linear Shrinkage	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 0.425mm %	Remarks
BH24-08	45	D	20.00	-	24.1			68	29	39	100	High Plasticity CIH
BH24-08	48	D	21.50	-	22.7			69	29	40	100	High Plasticity CIH
BH24-08	51	D	23.00	-	16.1			55	25	30	100	High Plasticity CIH
BH24-08	53	U	24.00	24.45				75	30	45	100	Very High Plasticity CIV
BH24-08	58	B	26.00	26.50	17.8			44	21	23	100	Medium Plasticity CIM
BH24-08	59	D	26.00	26.45	12.5							
BH24-08	60	U	27.00	27.45	21.4			64	28	36	100	High Plasticity CIH
BH24-08	62	D	27.50	27.95	20.3							
BH24-08	63	B	28.00	28.50	26.3			71	36	35	100	Very High Plasticity SiV
BH24-08	64	D	29.00	29.45	13.2			49	23	26	100	Medium Plasticity CIM
BH24-08	65	U	30.00	30.45	11.8							



Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022

Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7

Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9

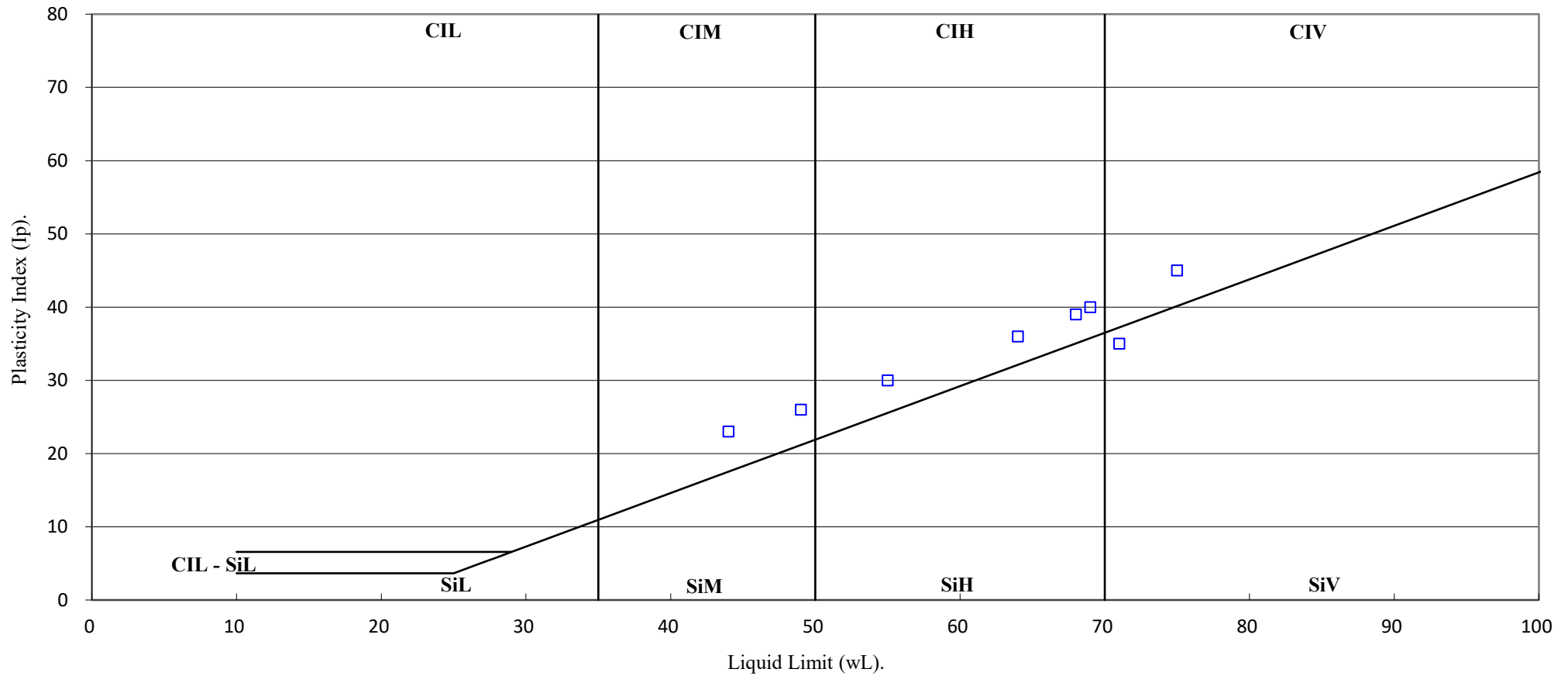
Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic

		<h2 style="margin: 0;">Thorney Lane Phase 1 Due Diligence</h2>	Contract No:
			PSL24/7027
			Client Ref:
			24/3980

PLASTICITY CHART

BS EN ISO 14688-2:2017 Clause 4.4



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7027

Client Ref:

GFQ-008-74
Issue 02 - Nov 23

Summary of Classification Test Results

Project No.
J286799

Project Name
Thorney Lane, Phase 1 Due Diligence

Hole No.	Sample				Soil Description	Density		w %	Passing 425µm %	LL %	If 1 Point Test			PL %	PI %	Particle density Mg/m ³	Remarks
	Ref	Top	Base	Type		bulk Mg/m ³	dry Mg/m ³				Pen 1	Pen 2	CF				
BH24-09	6	0.80	1.00	LB	Dark brown slightly sandy slightly gravelly CLAY			13.9	69-w	39-4pt-i				24	15		
BH24-09	12	2.50	3.00	B	Brown slightly gravelly CLAY			36.6	96-hp	46-4pt-i				21	25		

Key

Density tests:
Linear measurement unless :
wd - water displacement
wi - immersion in water

w - water content

Atterberg:
4pt cone unless :
cas - Casagrande method
1pt - single point test
CF - Correlation Factor


Liquid limit test: i - increasing moisture content, d - decreasing moisture content

Atterberg sample prep: n - Natural, HP - Hand Picked, w - Washed

Particle density:
sp - fluid pycnometer
gj - gas pycnometer

Test Standards:
Bulk Density Tests - BS EN ISO 17892-2:2014
Water Content - BS EN ISO 17892-1:2014+A1:2022
Liquid & Plastic Limits - BS EN ISO 17892-12:2018+A2:2022
Particle Density - BS EN ISO 17892-3:2015

Date Printed:
04/10/2024



ISO INDX



SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Water Content %	Linear Shrinkage	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 0.425mm %	Remarks
BH24-09	15	B	3.00	3.45	29.0			64	27	37	99	High Plasticity CIH
BH24-09	32	U	10.50	10.95	28.0							
BH24-09	33	D	11.00	-	25.0			60	26	34	100	High Plasticity CIH
BH24-09	38	D	14.00	-	24.0			67	27	40	100	High Plasticity CIH
BH24-09	39	D	15.00	-	25.0			54	25	29	100	High Plasticity CIH
BH24-09	48	D	20.00	-	25.0			65	27	38	100	High Plasticity CIH

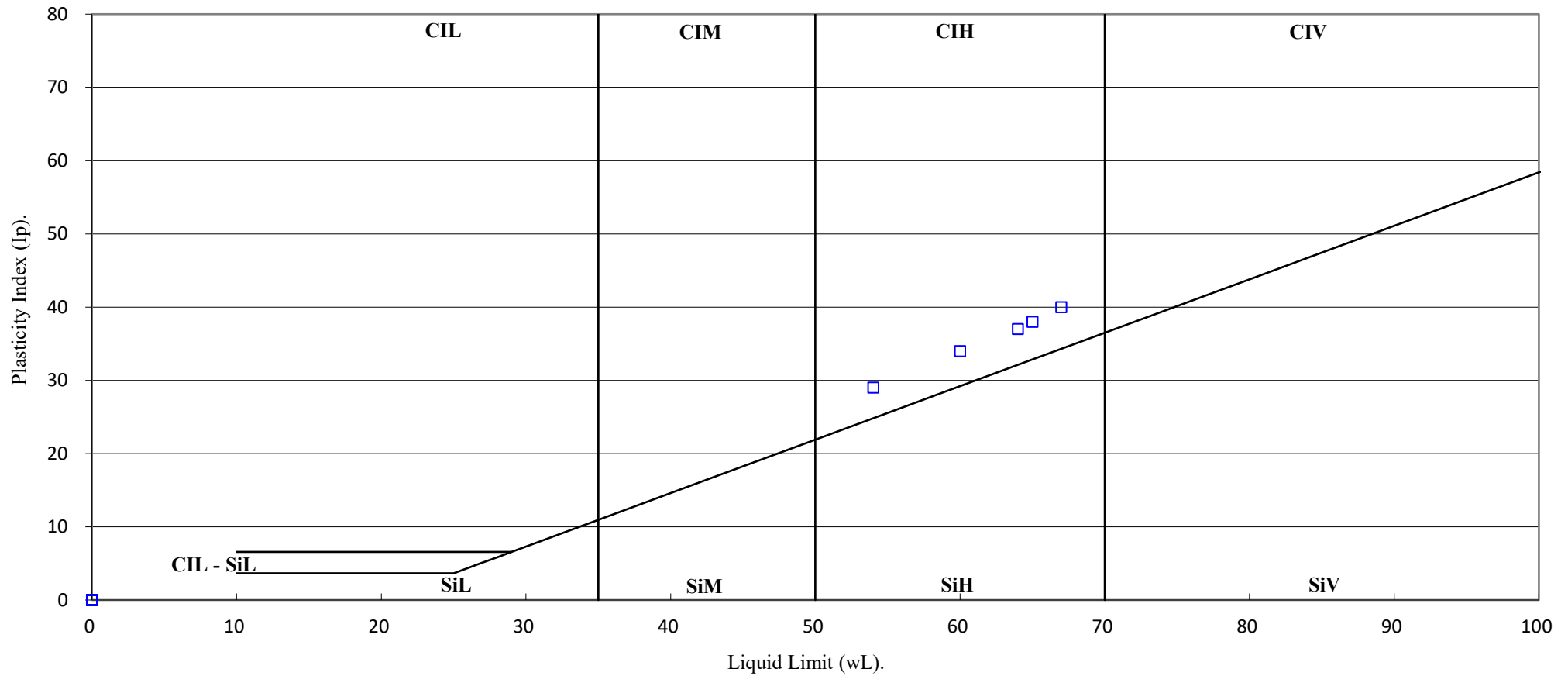
Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022
 Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7
 Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9
 Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic

		<h2 style="margin: 0;">Thorney Lane Phase 1 Due Diligence</h2>		Contract No:
				PSL24/6956
				Client Ref:
				24/3980

PLASTICITY CHART

BS EN ISO 14688-2:2017 Clause 4.4



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/6956

Client Ref:



SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Water Content %	Linear Shrinkage	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 0.425mm %	Remarks
BH24-10	3	D	0.50	-	17.3							
BH24-10	4	B	0.90	1.20	20.3			43	21	22	80	Medium Plasticity CIM
BH24-10	6	B	1.50	1.95	9.7							
BH24-10	10	B	4.00	4.50	23.6			49	23	26	99	Medium Plasticity CIM
BH24-10	15	B	6.00	6.50	31.1			63	30	33	100	High Plasticity CIH
BH24-10	20	U	9.00	9.45				65	28	37	100	High Plasticity CIH
BH24-10	22	D	9.50	-	24.9							
BH24-10	23	D	10.00	-	25.8							

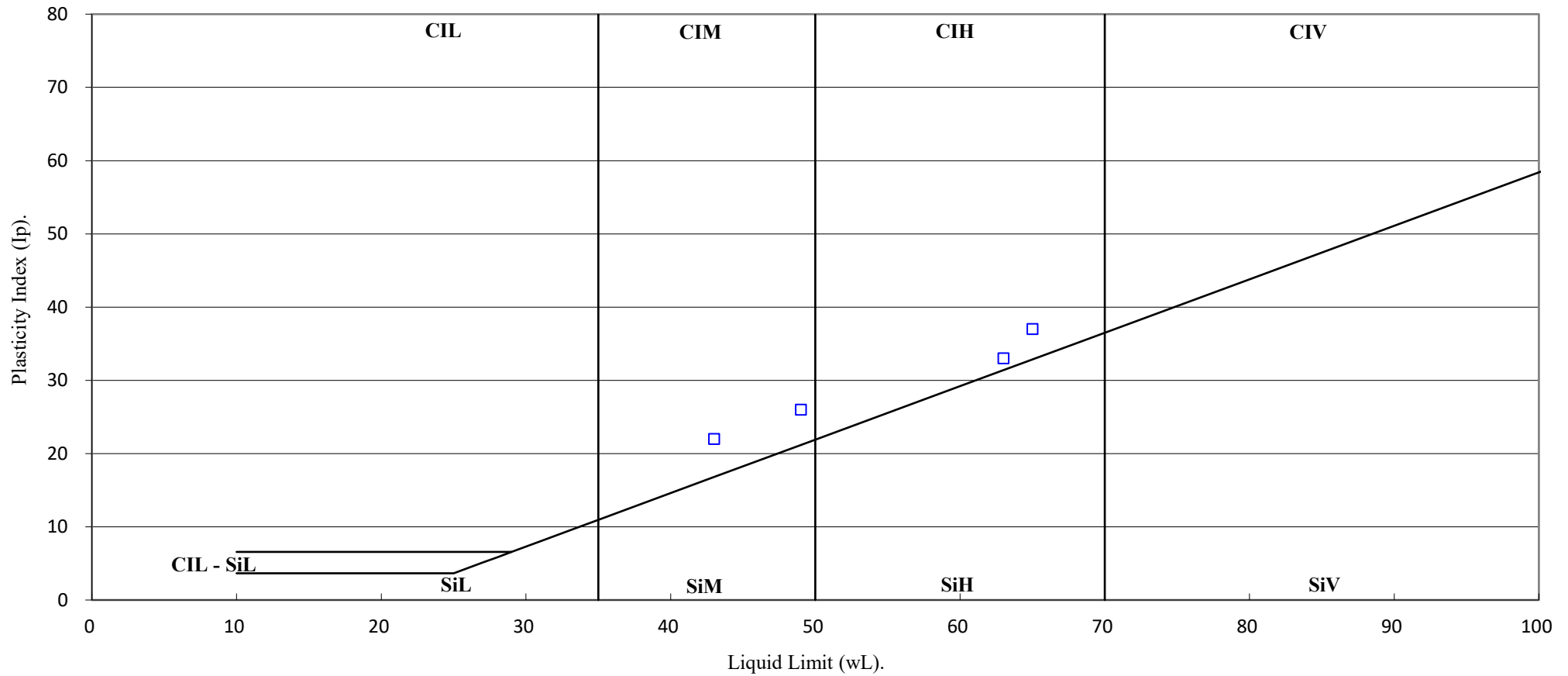
Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022
 Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7
 Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9
 Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic

		<h2 style="margin: 0;">Thorney Lane Phase 1 Due Diligence</h2>		Contract No:
			PSL24/7201	
			Client Ref:	
			24/3980	

PLASTICITY CHART

BS EN ISO 14688-2:2017 Clause 4.4



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7201

Client Ref:



SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Water Content %	Linear Shrinkage	Particle Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 0.425mm %	Remarks
DS24-01	1	B	0.30	0.65	13.2							
DS24-07	1	B	0.30	0.50	17.3			35	17	18	87	Medium Plasticity CIM

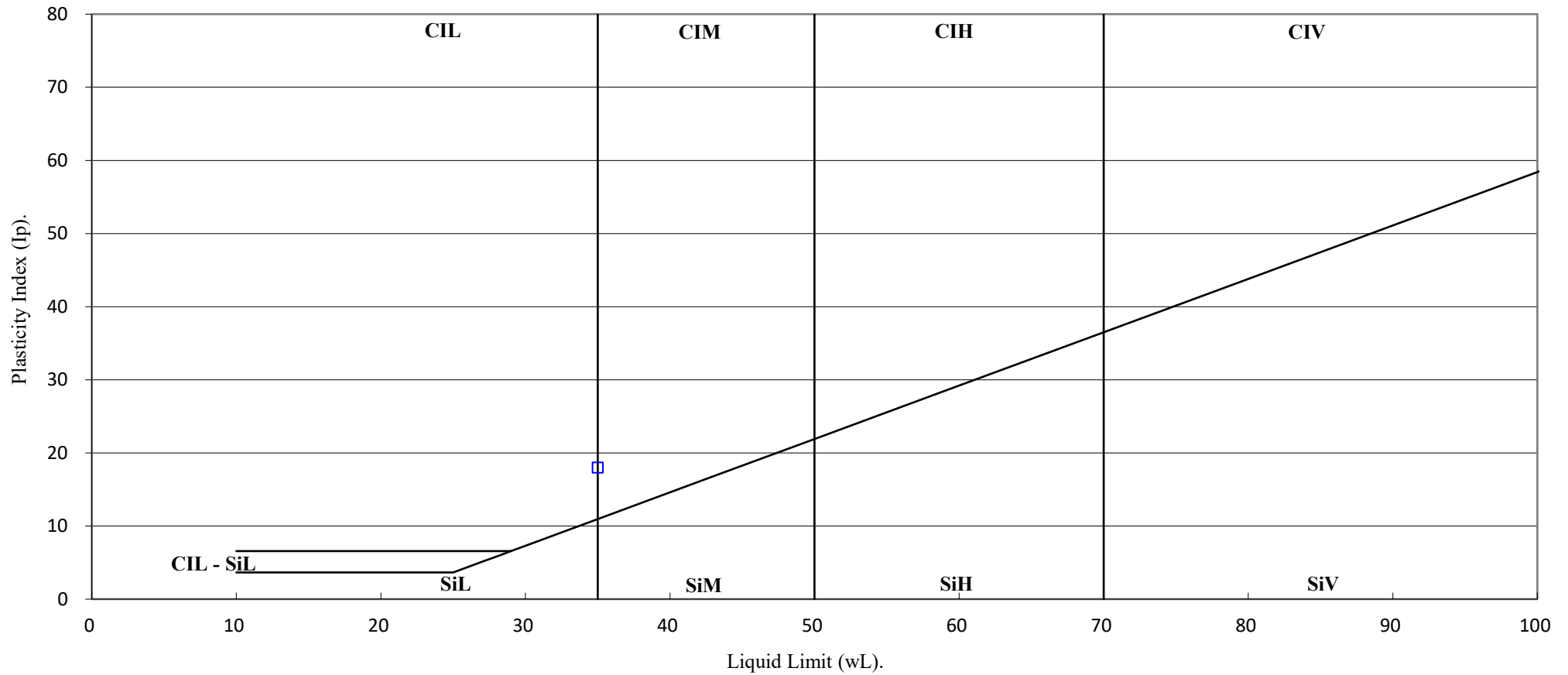
Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022
 Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7
 Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9
 Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic

		<h2 style="margin: 0;">Thorney Lane Phase 1 Due Diligence</h2>	Contract No:
			PSL24/7202
			Client Ref:
			24/3980

PLASTICITY CHART

BS EN ISO 14688-2:2017 Clause 4.4



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7202

Client Ref:

PARTICLE SIZE DISTRIBUTION TEST

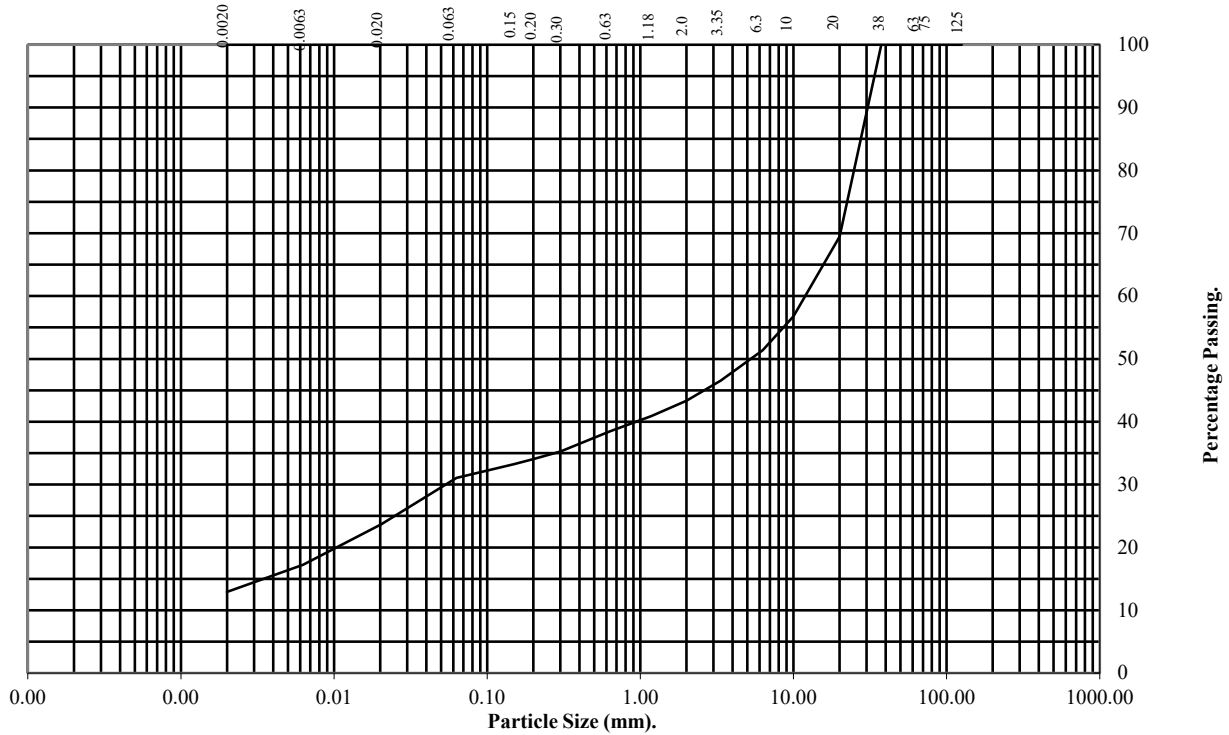
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-01** Top Depth (m): **0.25**

Sample Number: **1** Base Depth (m): **0.40**

Sample Type: **LB**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	69
10	57
6.3	51
3.35	47
2	43
1.18	41
0.63	38
0.3	35
0.2	34
0.15	33
0.063	31

Particle Diameter	Percentage Passing
0.020	24
0.0063	17
0.0020	13
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	57
Sand	12
Silt	18
Clay	13

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7203
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

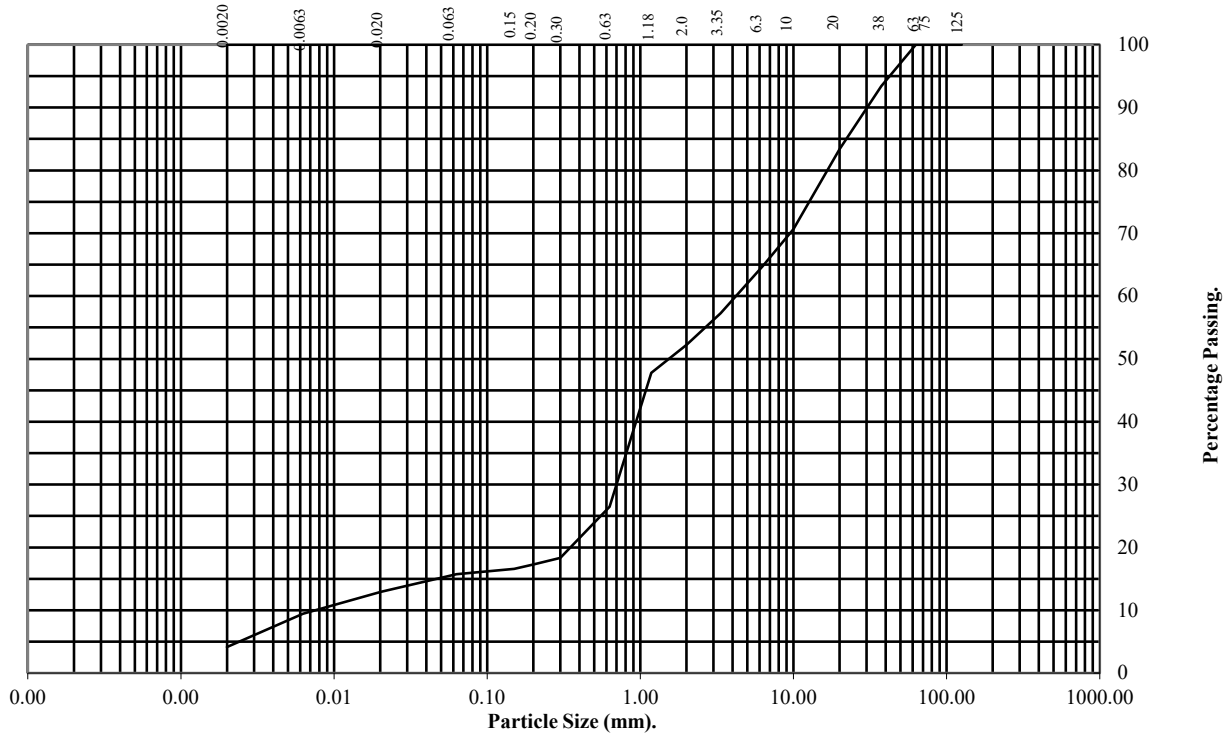
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-01** Top Depth (m): **0.40**

Sample Number: **3** Base Depth (m): **0.60**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	93
20	83
10	71
6.3	65
3.35	57
2	52
1.18	48
0.63	26
0.3	18
0.2	17
0.15	17
0.063	16

Particle Diameter	Percentage Passing
0.020	13
0.0063	9
0.0020	4
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	48
Sand	36
Silt	12
Clay	4

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7023
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

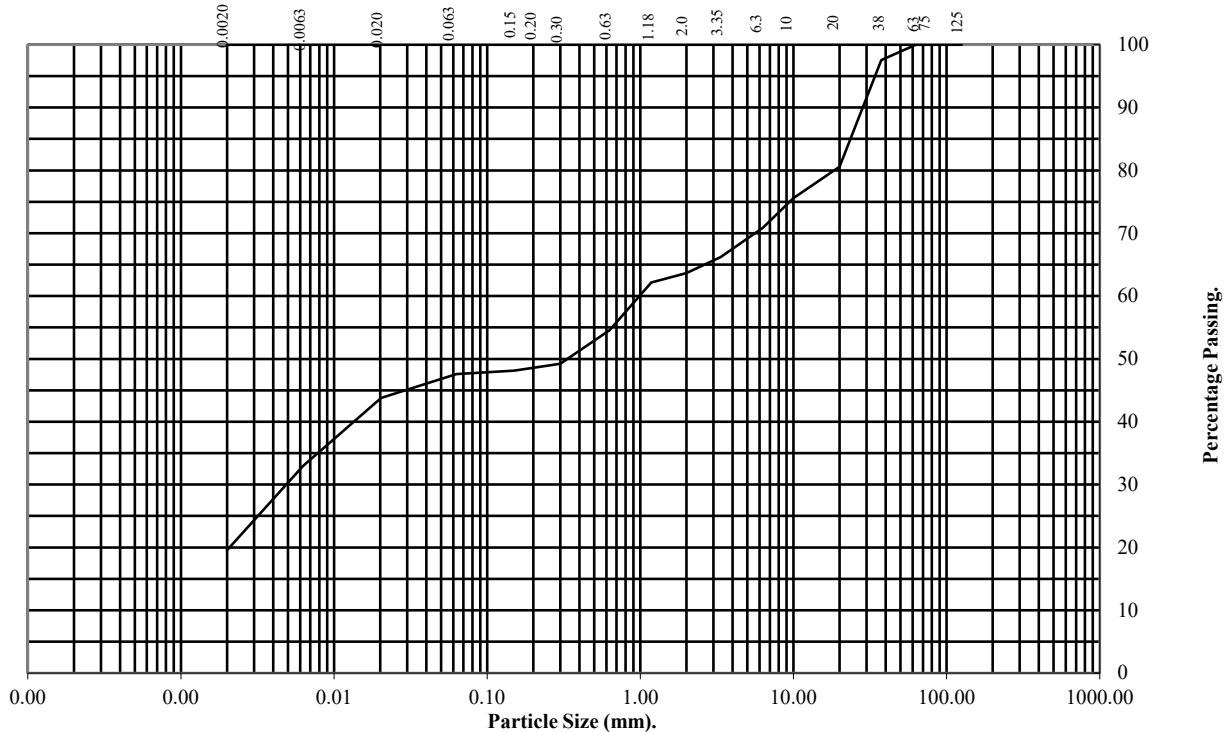
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-01** Top Depth (m): **0.90**

Sample Number: **4** Base Depth (m): **1.20**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	98
20	81
10	76
6.3	71
3.35	66
2	64
1.18	62
0.63	55
0.3	49
0.2	49
0.15	48
0.063	48

Particle Diameter	Percentage Passing
0.020	44
0.0063	33
0.0020	20
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	36
Sand	16
Silt	28
Clay	20

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7023
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

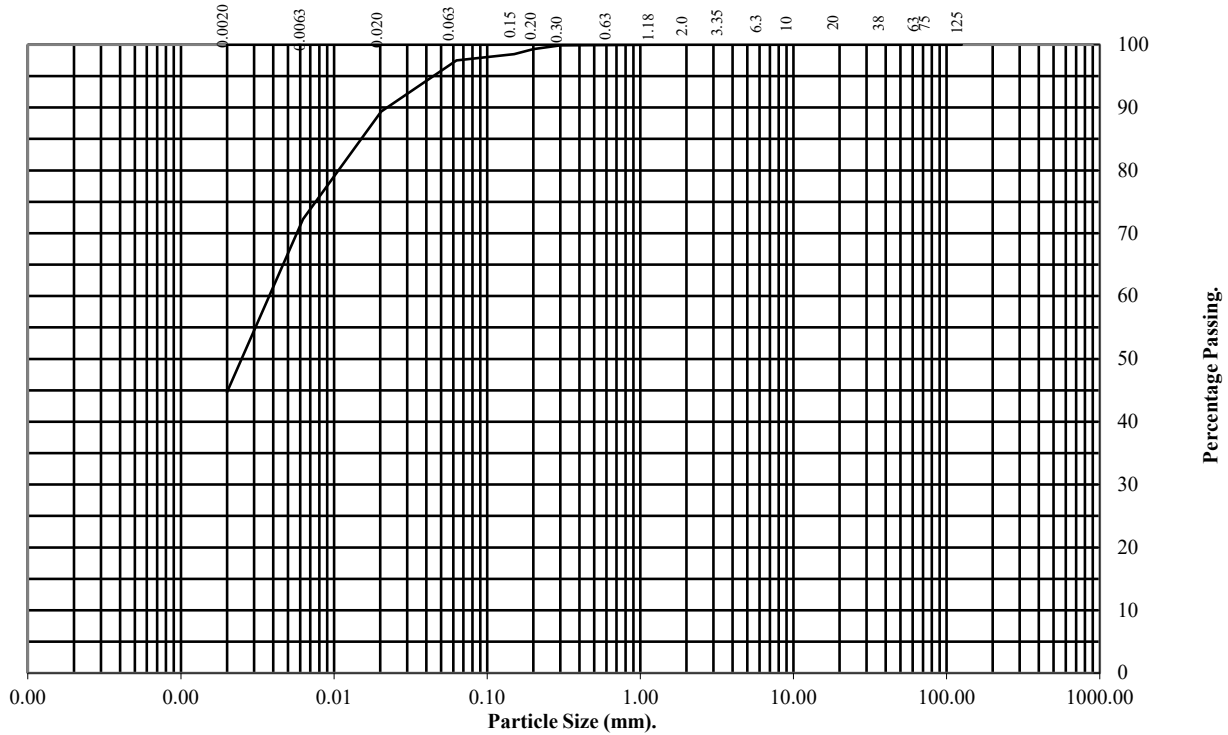
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-01** Top Depth (m): **3.50**

Sample Number: **10** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	99
0.15	98
0.063	97

Particle Diameter	Percentage Passing
0.020	89
0.0063	72
0.0020	45
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	3
Silt	52
Clay	45

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7023
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

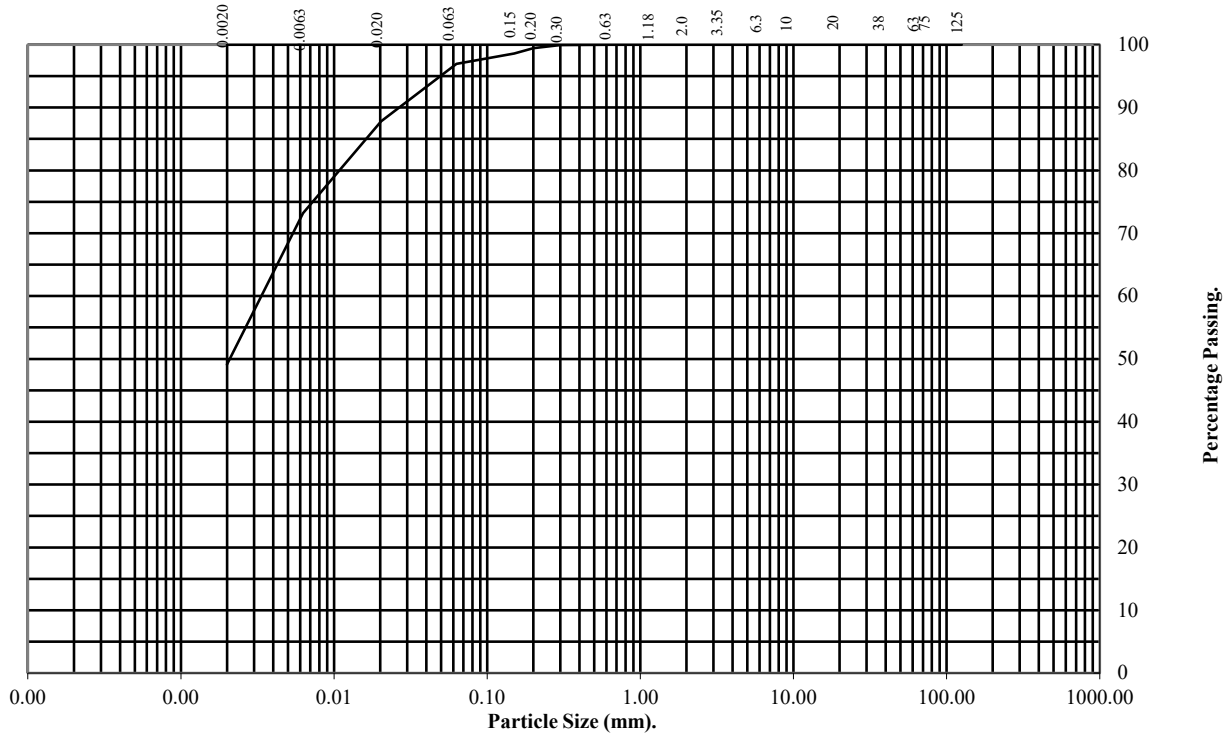
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-01 **Top Depth (m):** 6.50

Sample Number: 18 **Base Depth (m):**

Sample Type: D



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	99
0.15	99
0.063	97

Particle Diameter	Percentage Passing
0.020	88
0.0063	73
0.0020	49
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	3
Silt	48
Clay	49

Remarks:
See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7023
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

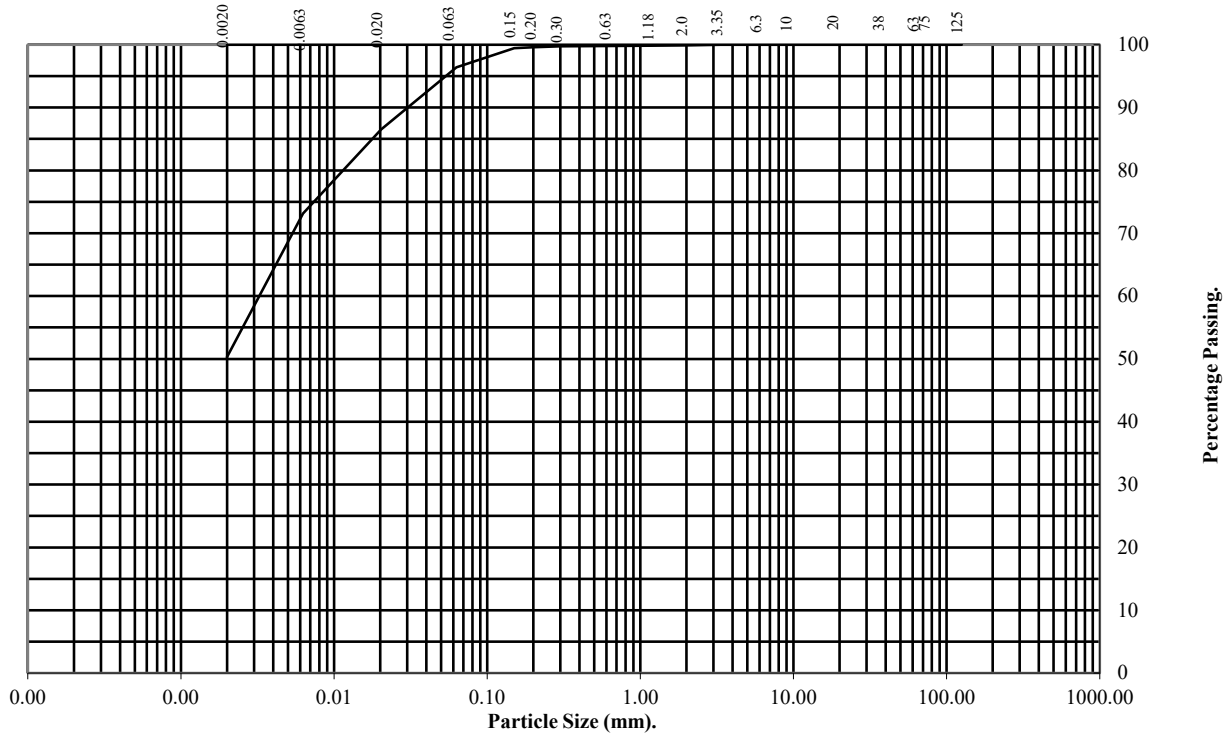
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-01** Top Depth (m): **9.50**

Sample Number: **26** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	99
0.063	96

Particle Diameter	Percentage Passing
0.020	87
0.0063	73
0.0020	50
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	4
Silt	46
Clay	50

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7023
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

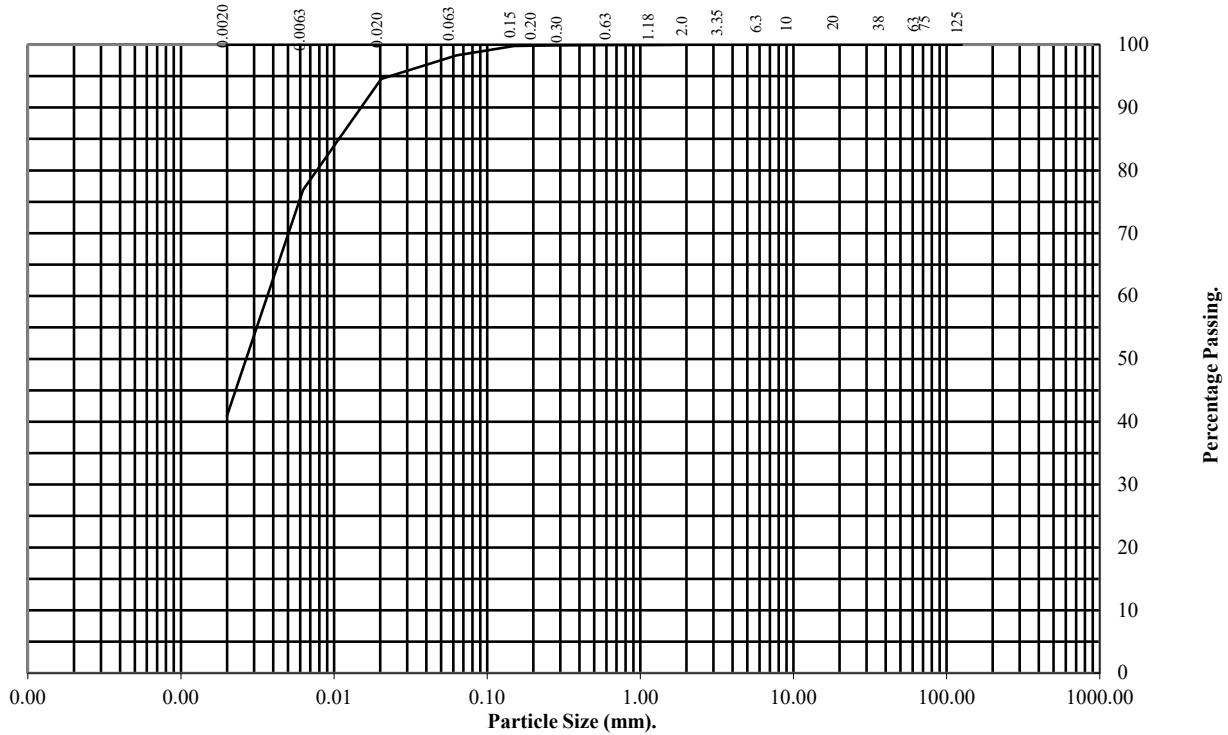
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-01** Top Depth (m): **11.00**

Sample Number: **30** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	98

Particle Diameter	Percentage Passing
0.020	95
0.0063	77
0.0020	41
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	57
Clay	41

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7023
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

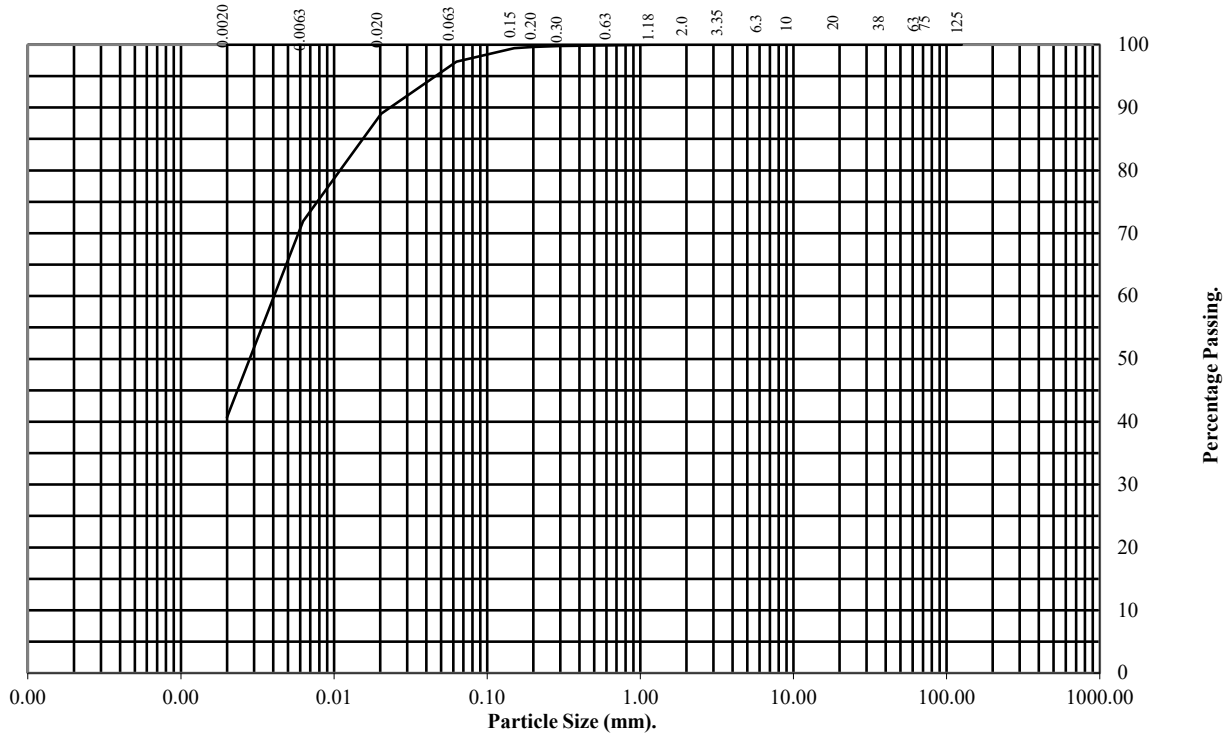
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-01** Top Depth (m): **14.00**

Sample Number: **39** Base Depth (m): **14.45**

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	99
0.063	97

Particle Diameter	Percentage Passing
0.020	89
0.0063	72
0.0020	41
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	3
Silt	56
Clay	41

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7023
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

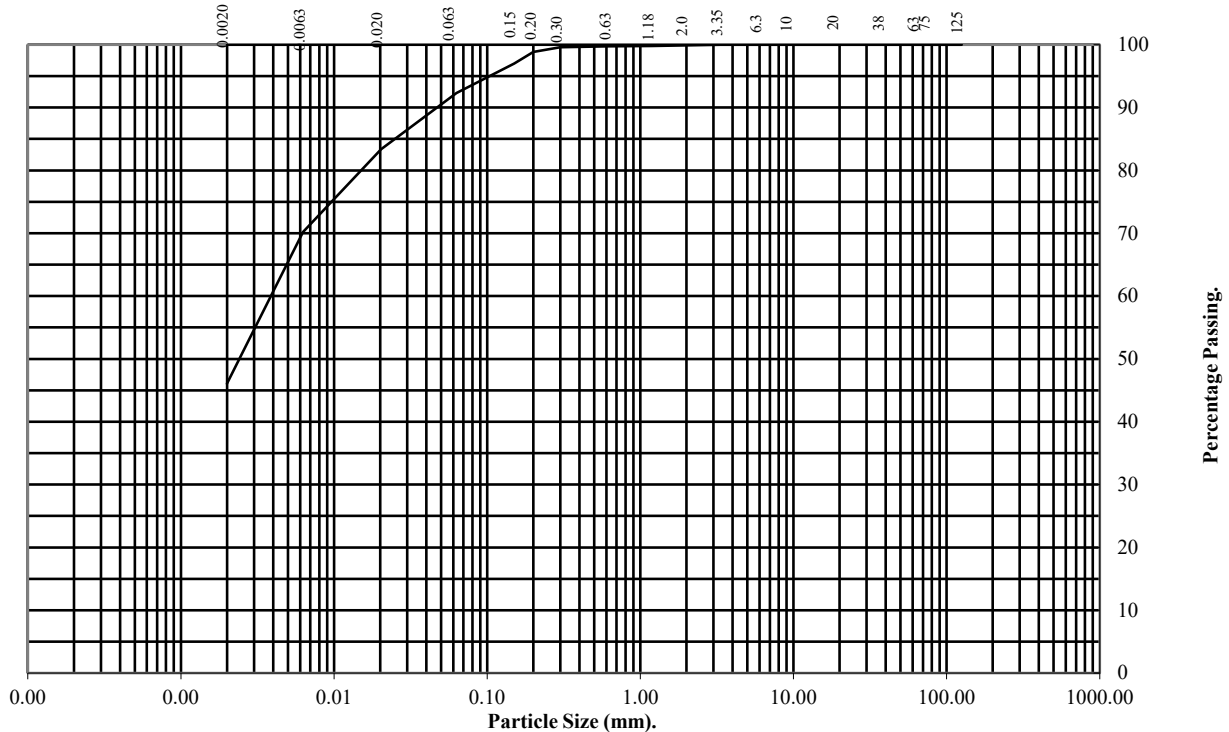
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-01 **Top Depth (m):** 16.50

Sample Number: 45 **Base Depth (m):** 16.95

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	99
0.15	97
0.063	92

Particle Diameter	Percentage Passing
0.020	83
0.0063	70
0.0020	46
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	8
Silt	46
Clay	46

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7023
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

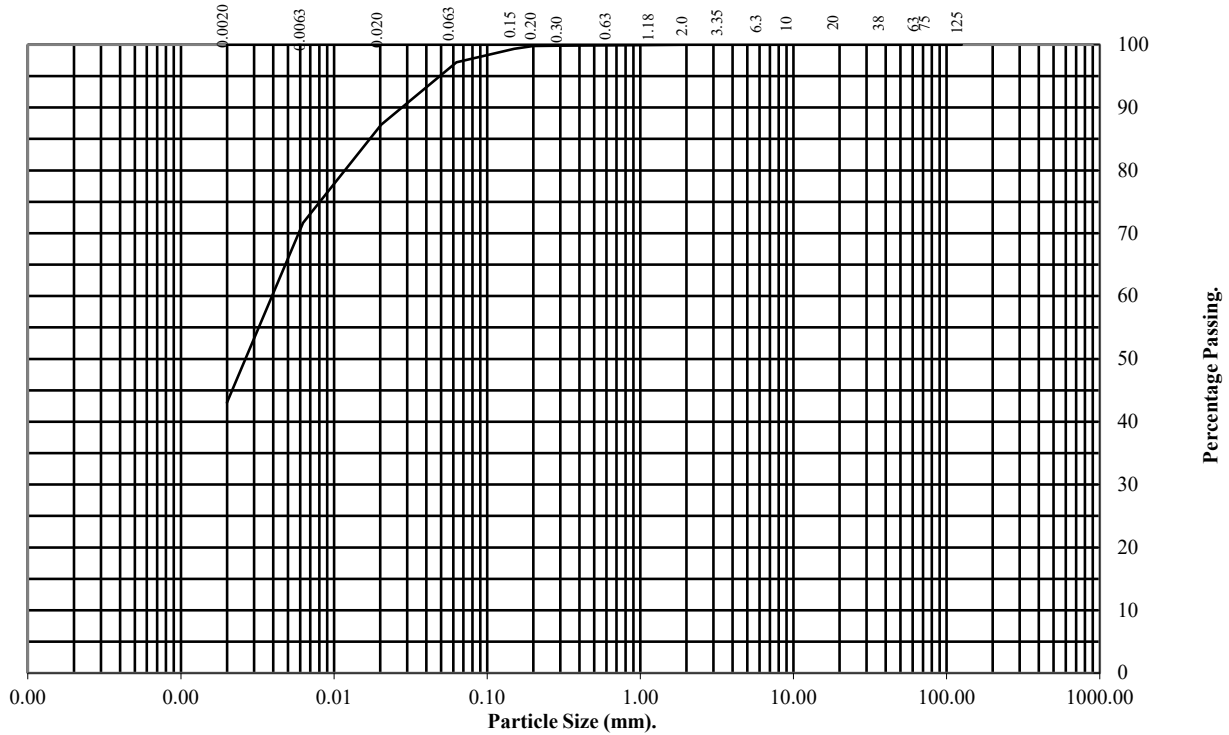
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-01 **Top Depth (m):** 17.07

Sample Number: 48 **Base Depth (m):**

Sample Type: D



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	99
0.063	97

Particle Diameter	Percentage Passing
0.020	87
0.0063	72
0.0020	43
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	3
Silt	54
Clay	43

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7023
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

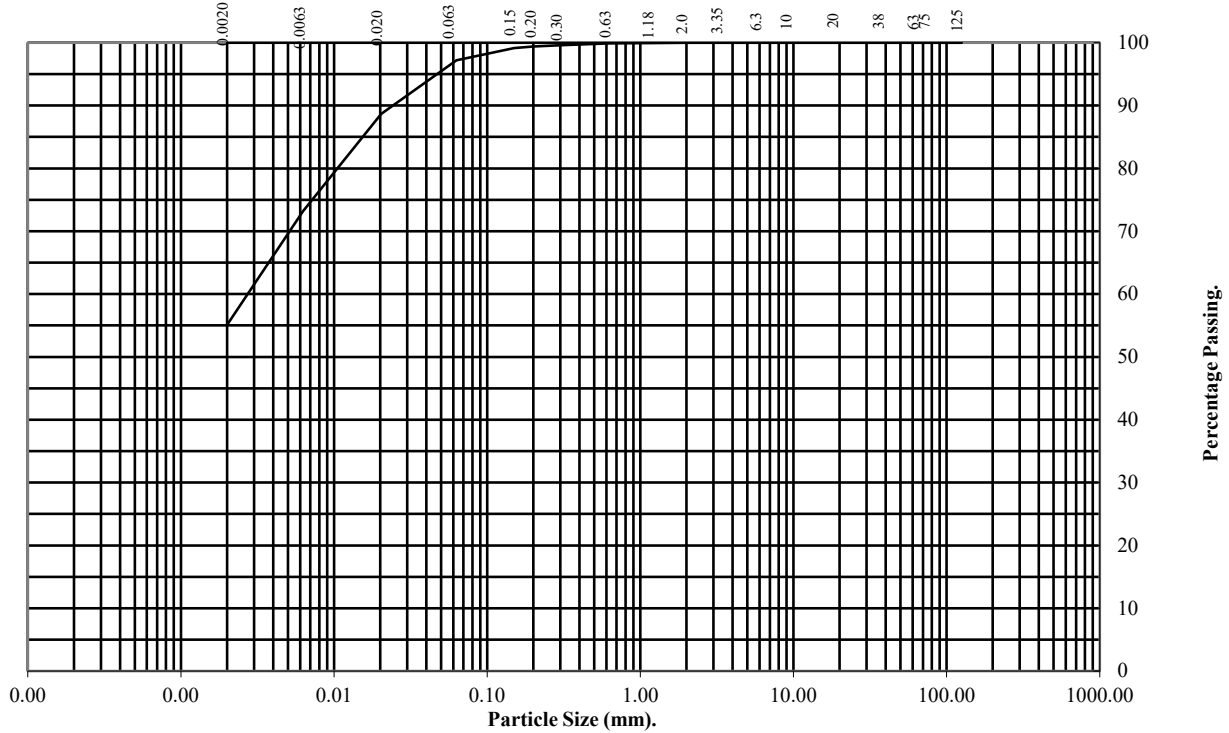
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-01 **Top Depth (m):** 20.00

Sample Number: 54 **Base Depth (m):**

Sample Type: D



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	99
0.15	99
0.063	97

Particle Diameter	Percentage Passing
0.020	89
0.0063	73
0.0020	55
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	3
Silt	42
Clay	55

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7023
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

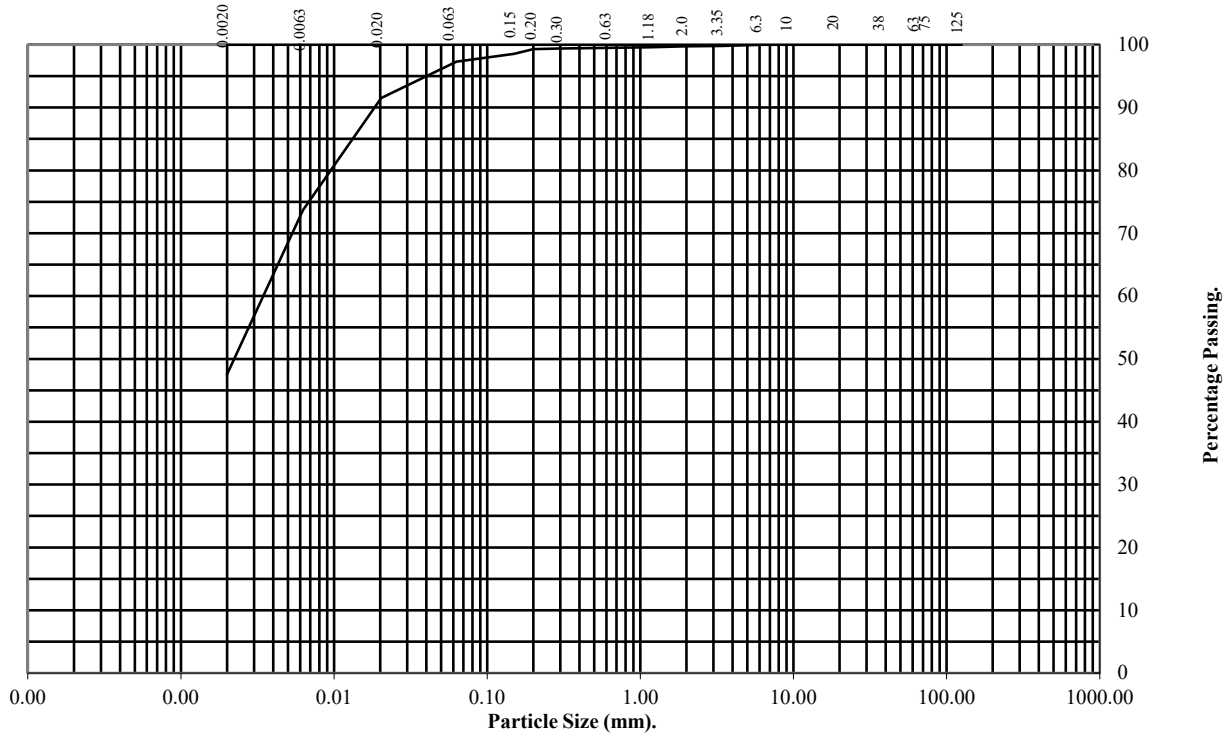
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-01 **Top Depth (m):** 21.00

Sample Number: 57 **Base Depth (m):** 21.45

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	99
0.2	99
0.15	99
0.063	97

Particle Diameter	Percentage Passing
0.020	92
0.0063	74
0.0020	47
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	3
Silt	50
Clay	47

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7023
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

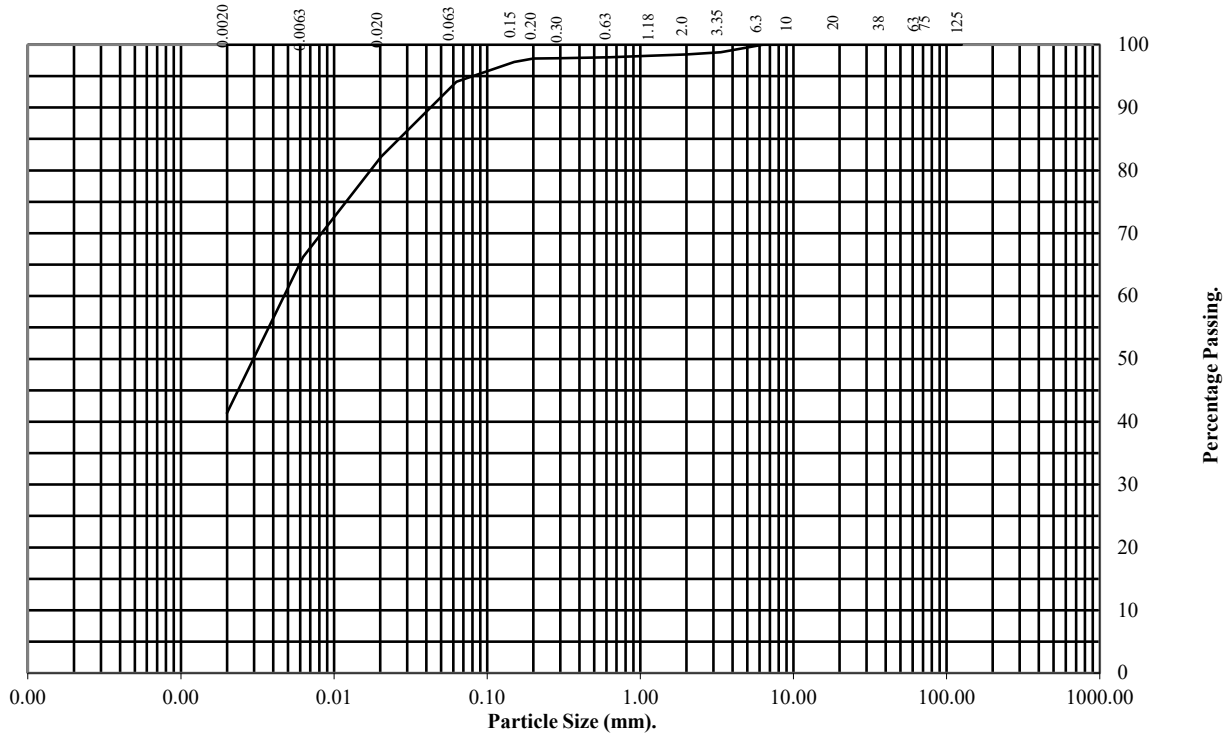
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-01** Top Depth (m): **22.50**

Sample Number: **61** Base Depth (m): **22.95**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	99
2	98
1.18	98
0.63	98
0.3	98
0.2	98
0.15	97
0.063	94

Particle Diameter	Percentage Passing
0.020	82
0.0063	66
0.0020	41
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	2
Sand	4
Silt	53
Clay	41

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7023

Client Ref:

24/3980

PARTICLE SIZE DISTRIBUTION TEST

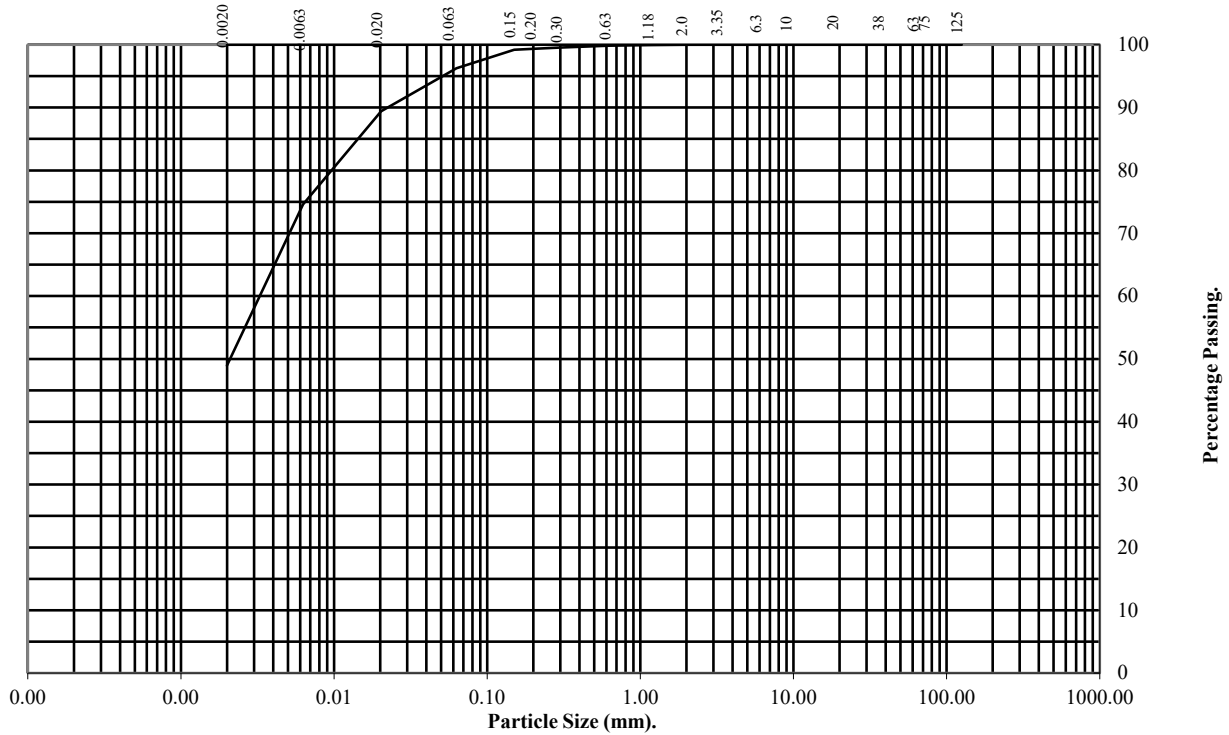
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-01 **Top Depth (m):** 25.00

Sample Number: 67 **Base Depth (m):** 25.50

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	99
0.15	99
0.063	96

Particle Diameter	Percentage Passing
0.020	89
0.0063	75
0.0020	49
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	4
Silt	47
Clay	49

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7023
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

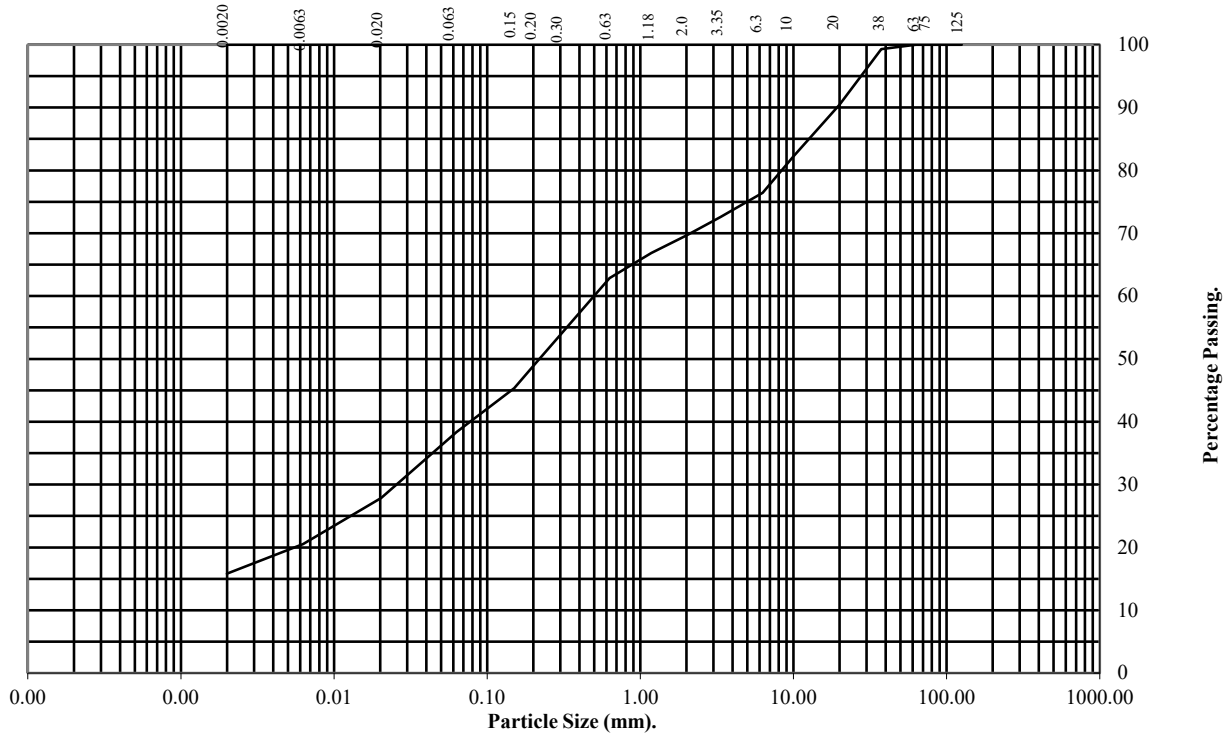
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-02** Top Depth (m): **0.50**

Sample Number: **4** Base Depth (m): **0.70**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	99
20	90
10	82
6.3	76
3.35	73
2	70
1.18	67
0.63	63
0.3	54
0.2	49
0.15	45
0.063	38

Particle Diameter	Percentage Passing
0.020	28
0.0063	21
0.0020	16
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	30
Sand	32
Silt	22
Clay	16

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7203
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

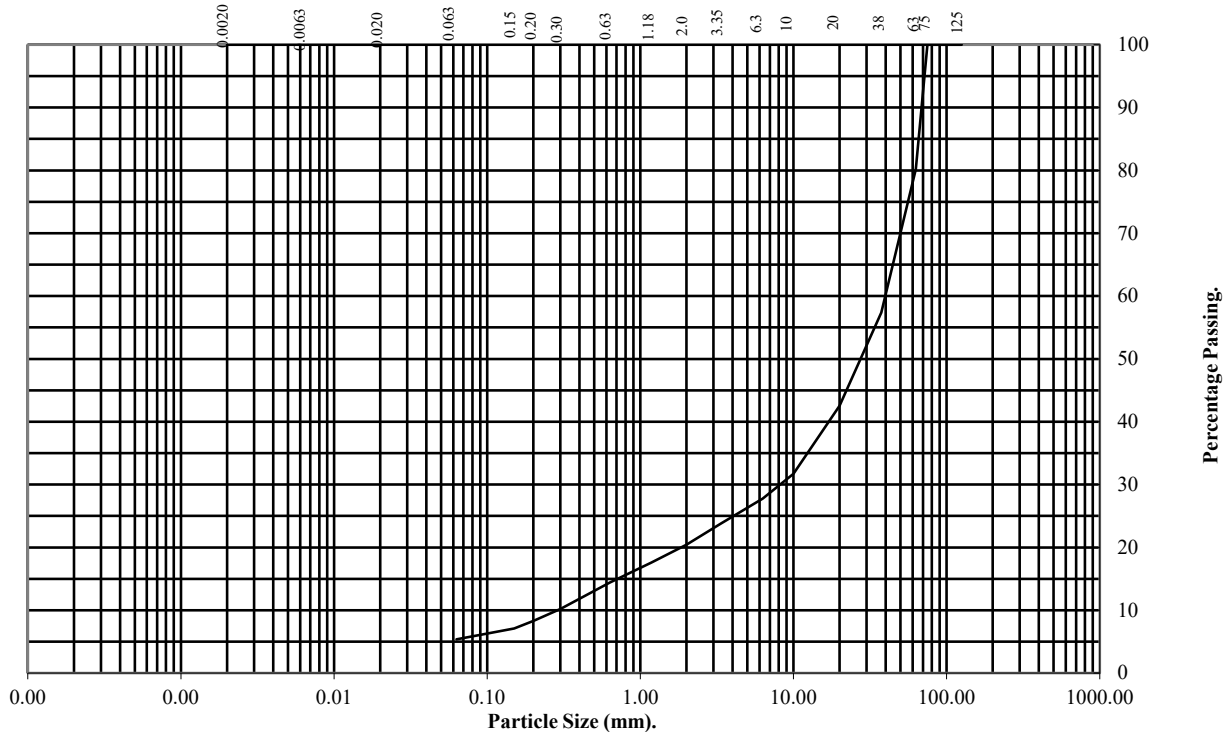
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2

Hole Number: **BH24-02** Top Depth (m): **0.70**

Sample Number: **5** Base Depth (m): **0.90**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	80
37.5	57
20	43
10	32
6.3	28
3.35	24
2	20
1.18	18
0.63	14
0.3	10
0.2	8
0.15	7
0.063	5

Soil Fraction	Total Percentage
Cobbles	20
Gravel	60
Sand	15
Silt/Clay	5

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7203
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

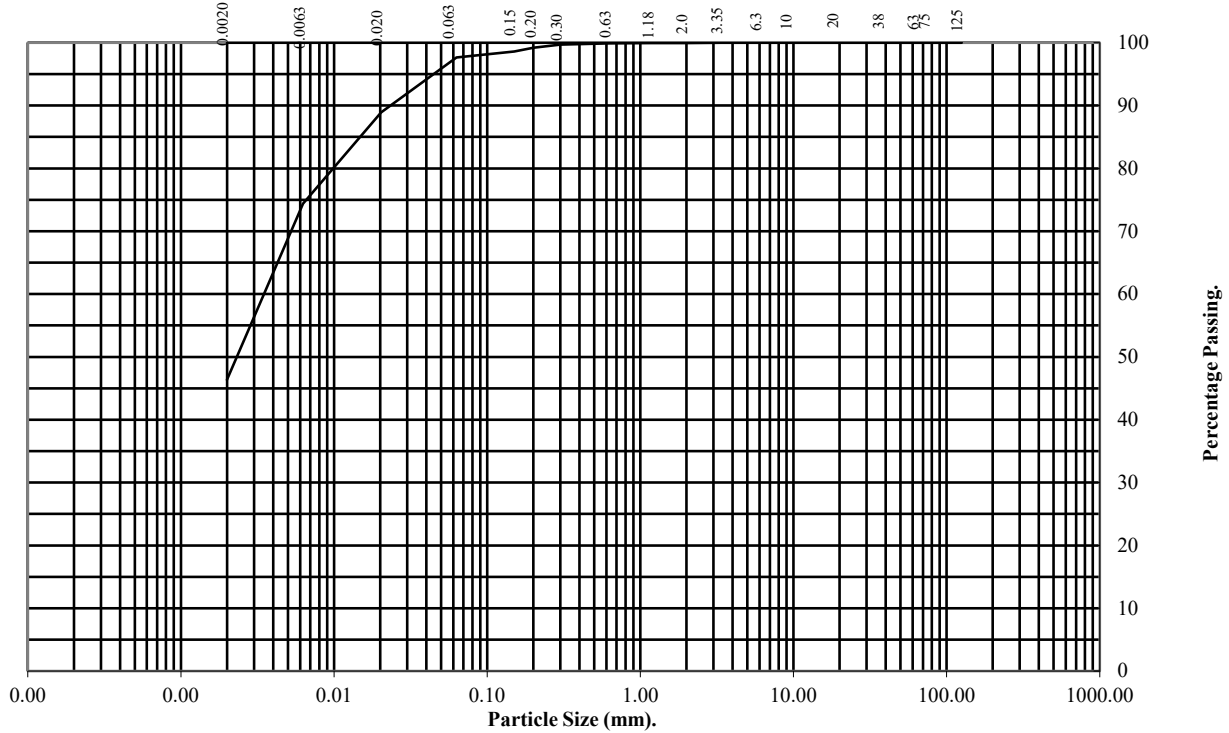
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-02 **Top Depth (m):** 0.90

Sample Number: 6 **Base Depth (m):** 1.20

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	99
0.15	99
0.063	98

Particle Diameter	Percentage Passing
0.020	89
0.0063	74
0.0020	46
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	52
Clay	46

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7024
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

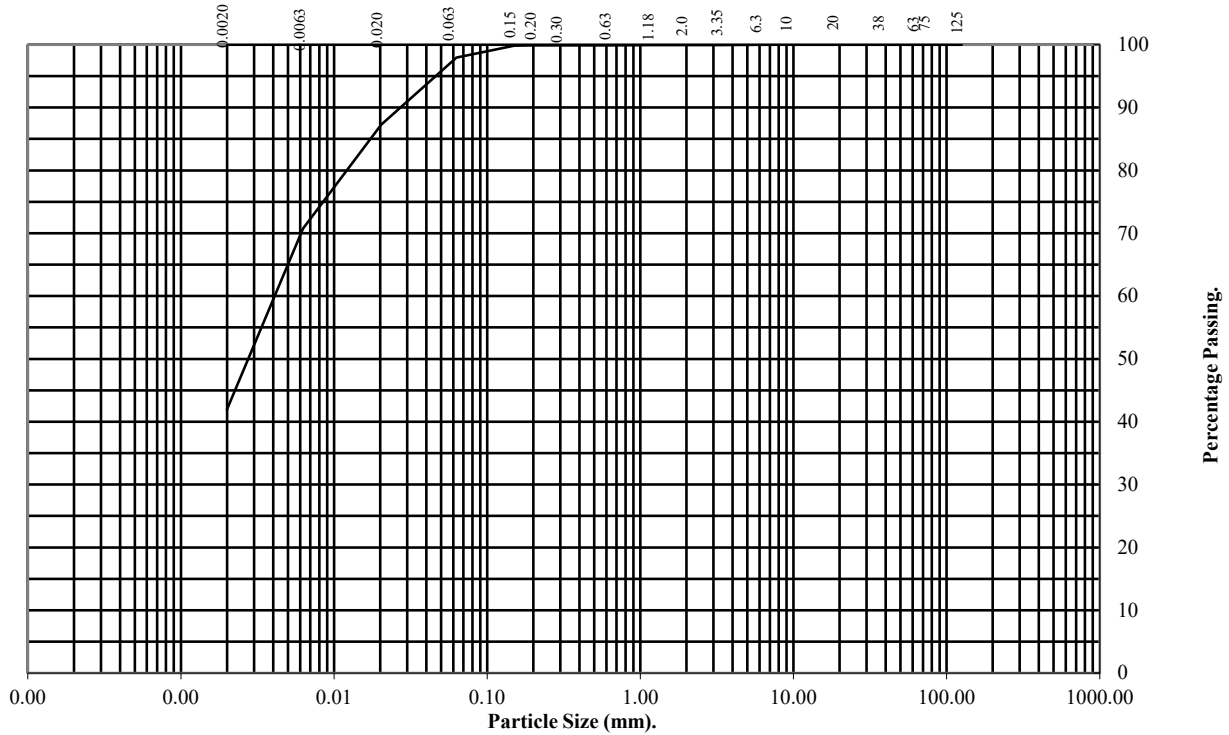
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-02 **Top Depth (m):** 3.00

Sample Number: 12 **Base Depth (m):** 3.45

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	98

Particle Diameter	Percentage Passing
0.020	87
0.0063	71
0.0020	42
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	56
Clay	42

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7024
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

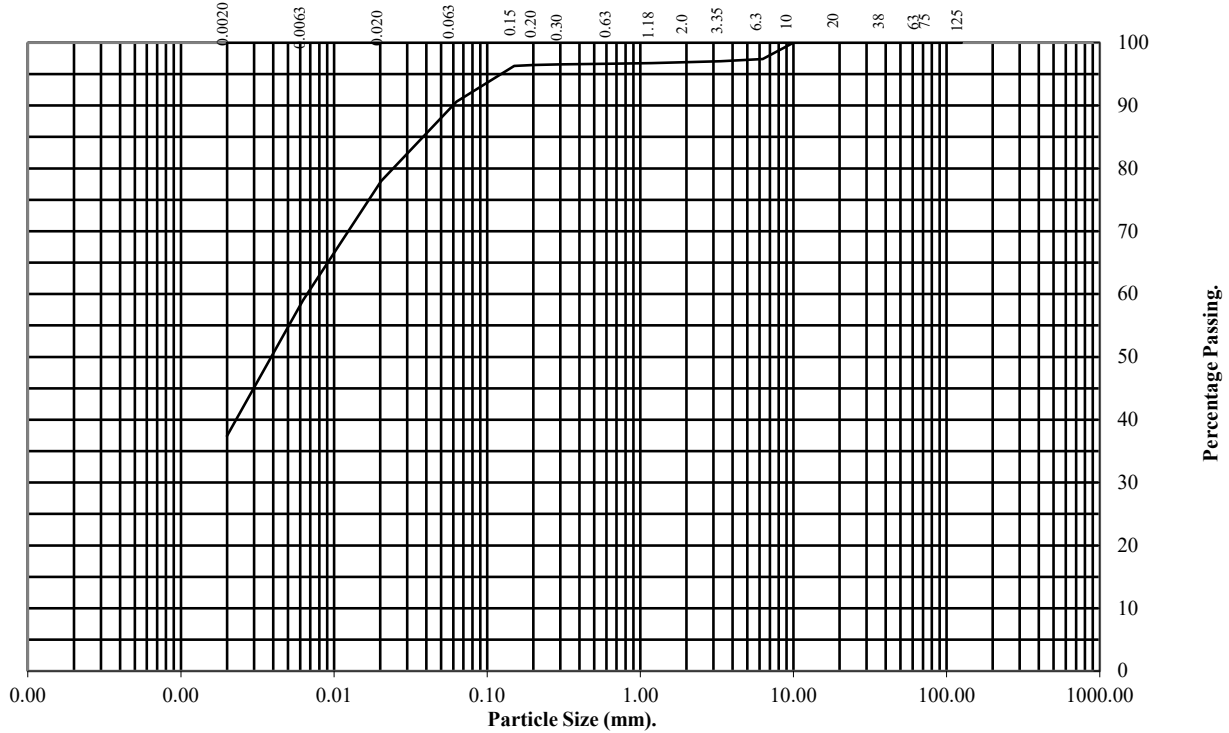
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-02** **Top Depth (m):** **5.00**

Sample Number: **17** **Base Depth (m):**

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	97
3.35	97
2	97
1.18	97
0.63	97
0.3	97
0.2	96
0.15	96
0.063	91

Particle Diameter	Percentage Passing
0.020	78
0.0063	59
0.0020	37
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	3
Sand	6
Silt	54
Clay	37

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7024
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

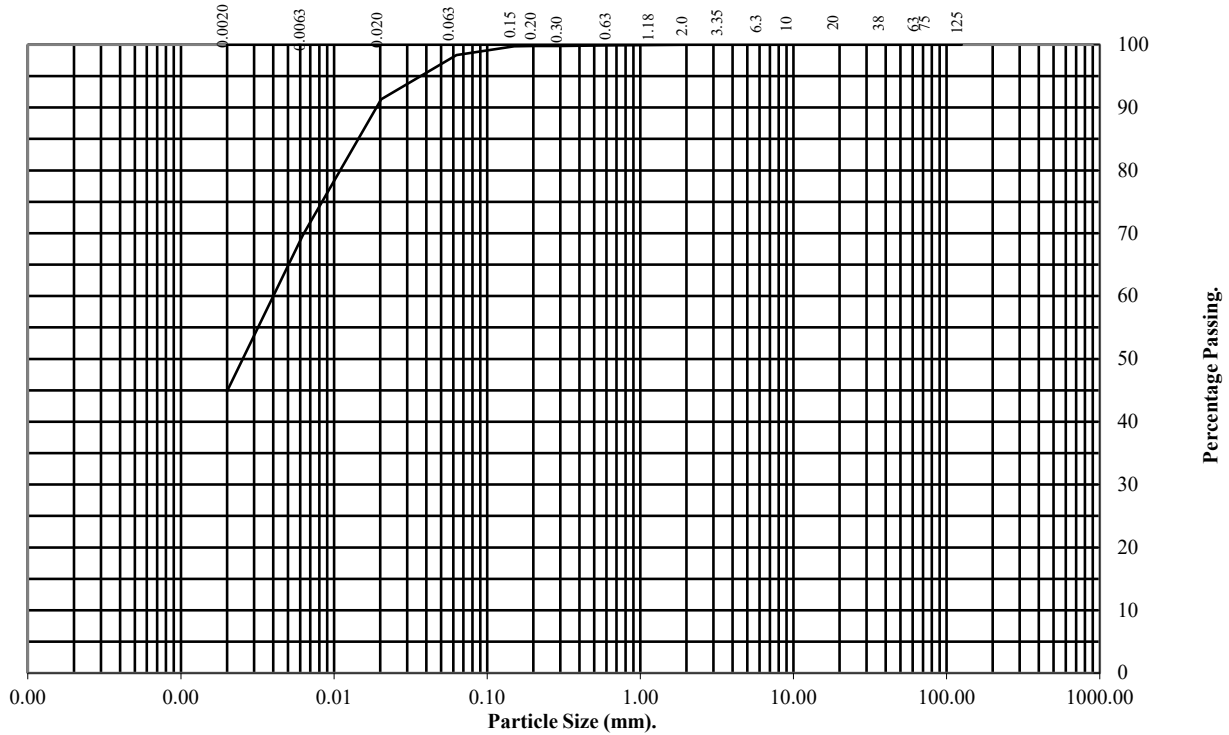
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-02** Top Depth (m): **8.00**

Sample Number: **25** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	98

Particle Diameter	Percentage Passing
0.020	91
0.0063	70
0.0020	45
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	53
Clay	45

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7024
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

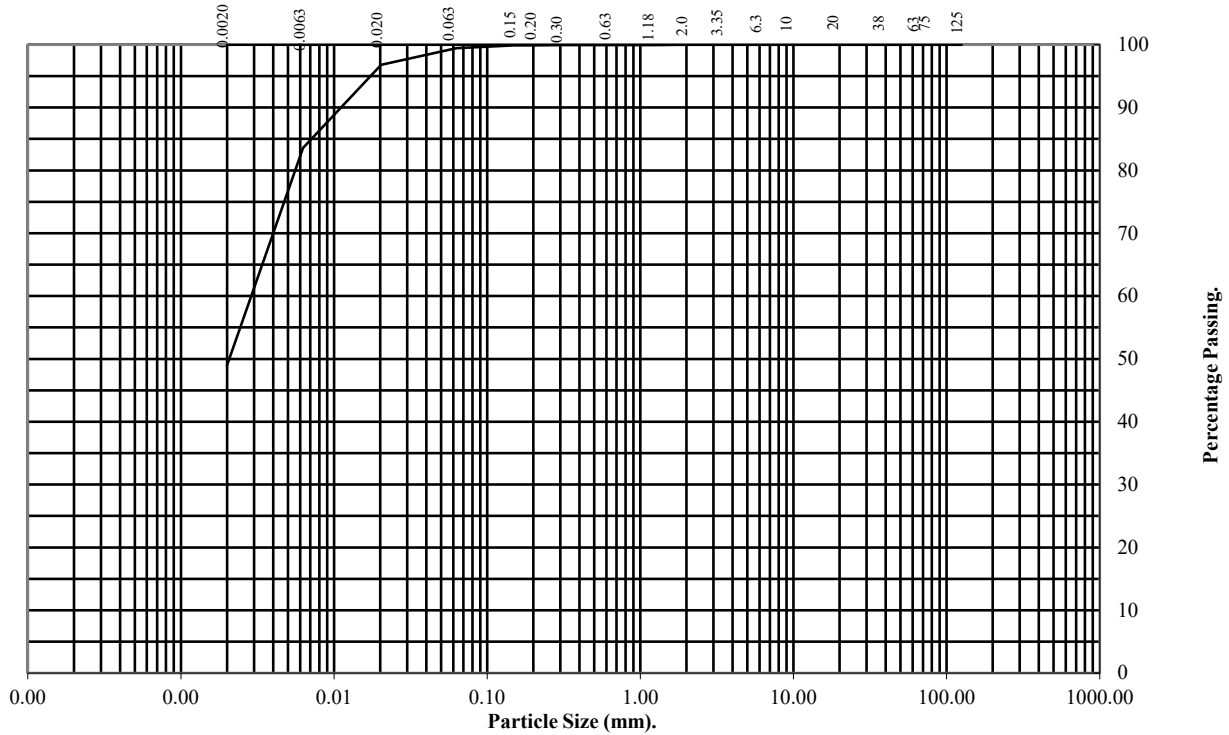
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-02** **Top Depth (m):** **9.50**

Sample Number: **29** **Base Depth (m):**

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	99

Particle Diameter	Percentage Passing
0.020	97
0.0063	84
0.0020	49
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	1
Silt	50
Clay	49

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7024
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

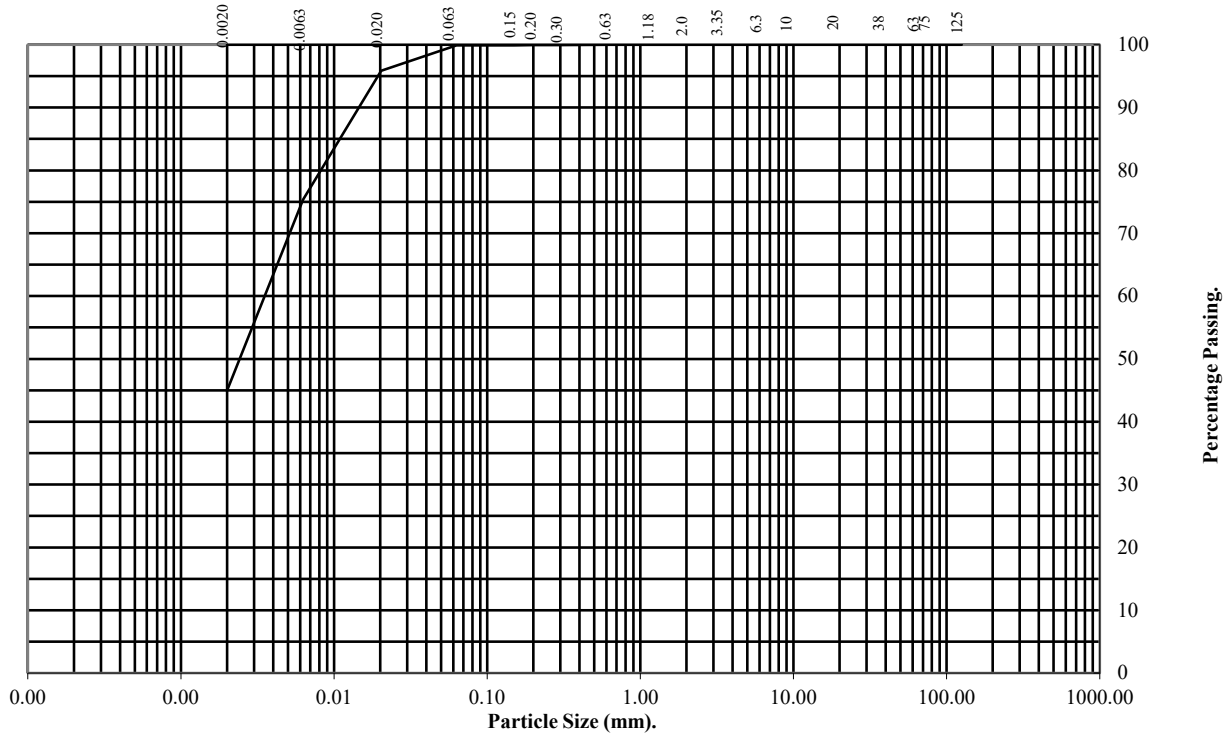
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-02** Top Depth (m): **11.00**

Sample Number: **33** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	100

Particle Diameter	Percentage Passing
0.020	96
0.0063	75
0.0020	45
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	0
Silt	55
Clay	45

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7024
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

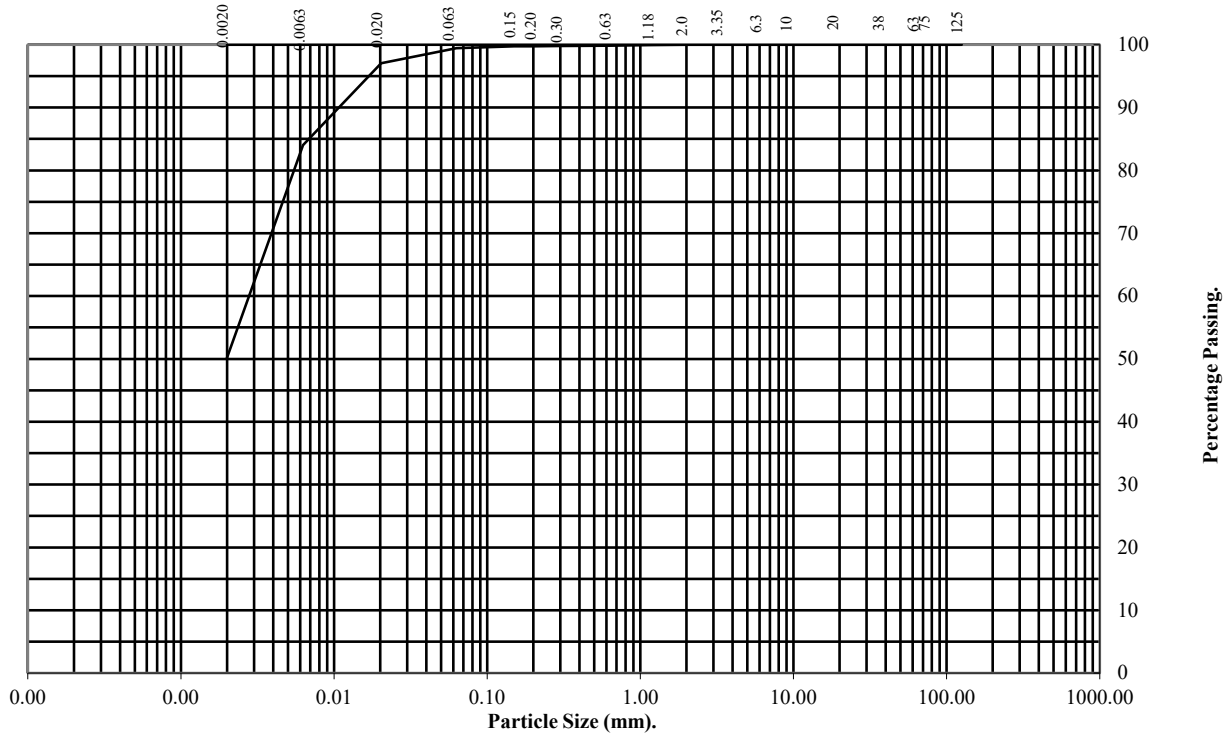
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-02** Top Depth (m): **12.00**

Sample Number: **36** Base Depth (m): **12.45**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	99

Particle Diameter	Percentage Passing
0.020	97
0.0063	84
0.0020	50
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	1
Silt	49
Clay	50

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7024
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

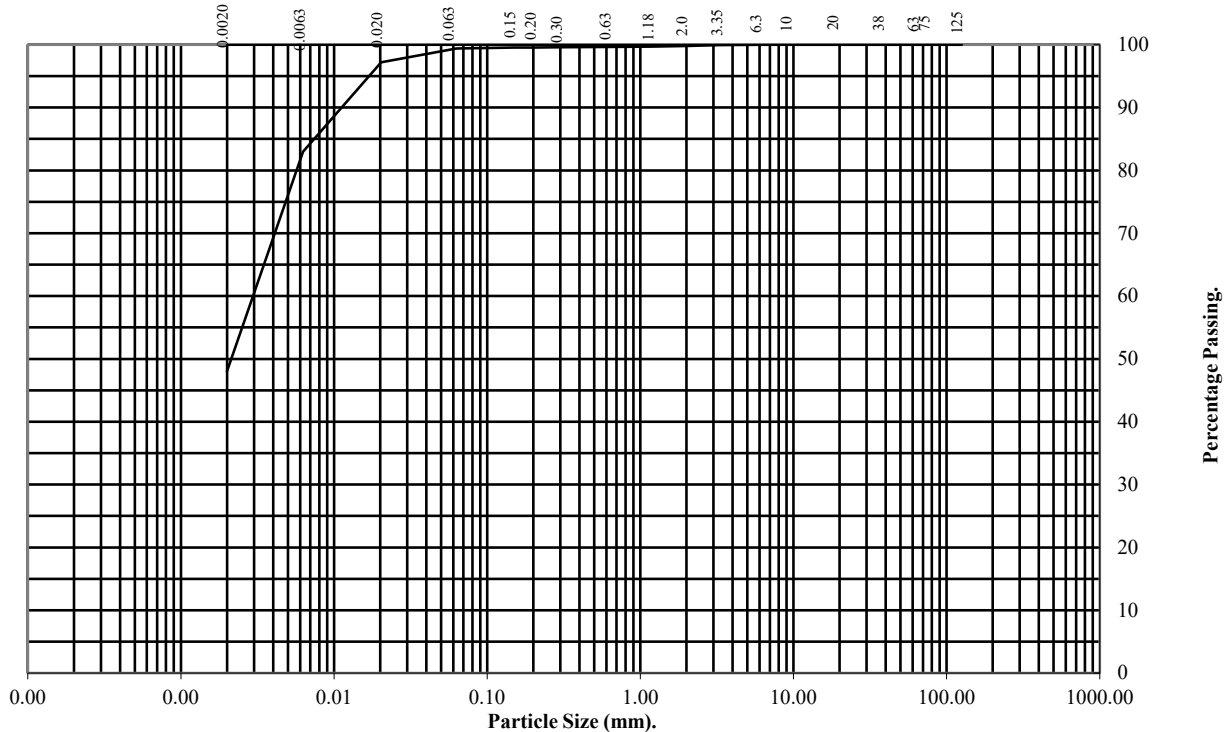
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-02** Top Depth (m): **13.50**

Sample Number: **40** Base Depth (m): **13.95**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	99

Particle Diameter	Percentage Passing
0.020	97
0.0063	83
0.0020	48
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	1
Silt	51
Clay	48

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7024
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

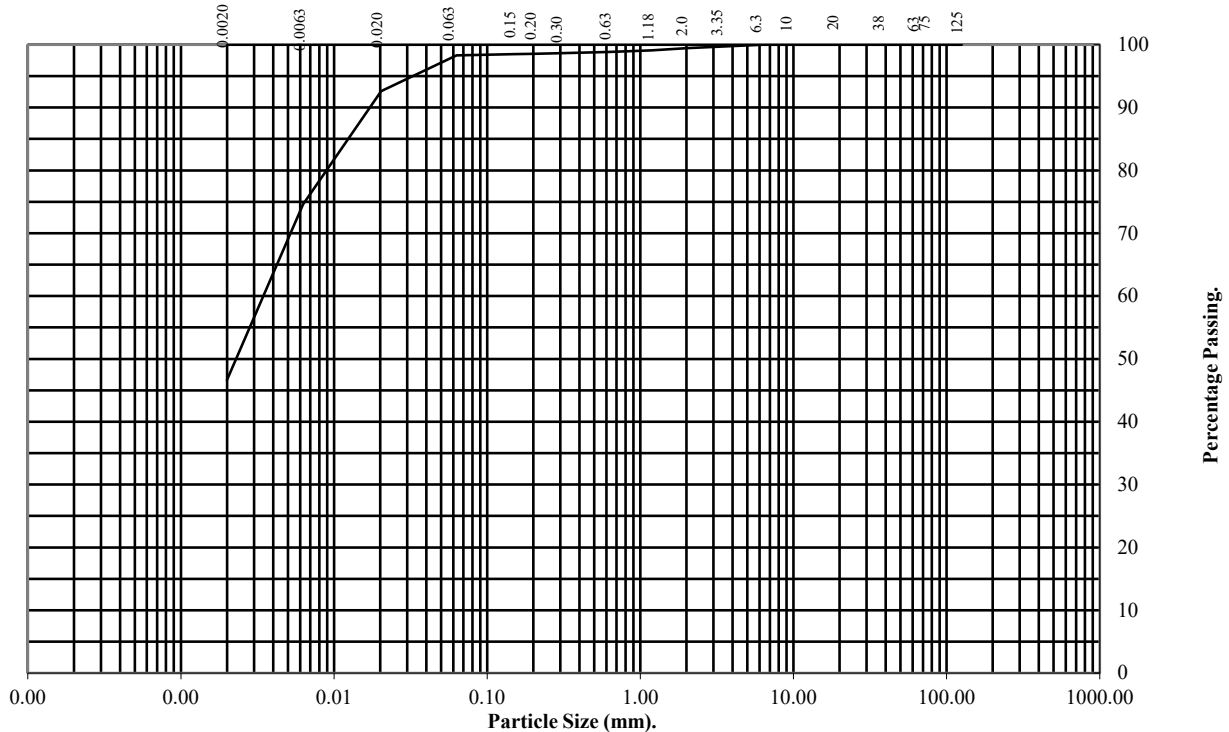
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-02 **Top Depth (m):** 14.70

Sample Number: 43 **Base Depth (m):**

Sample Type: D



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	99
1.18	99
0.63	99
0.3	99
0.2	99
0.15	98
0.063	98

Particle Diameter	Percentage Passing
0.020	93
0.0063	75
0.0020	47
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	1
Sand	1
Silt	51
Clay	47

Remarks:
See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7024
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

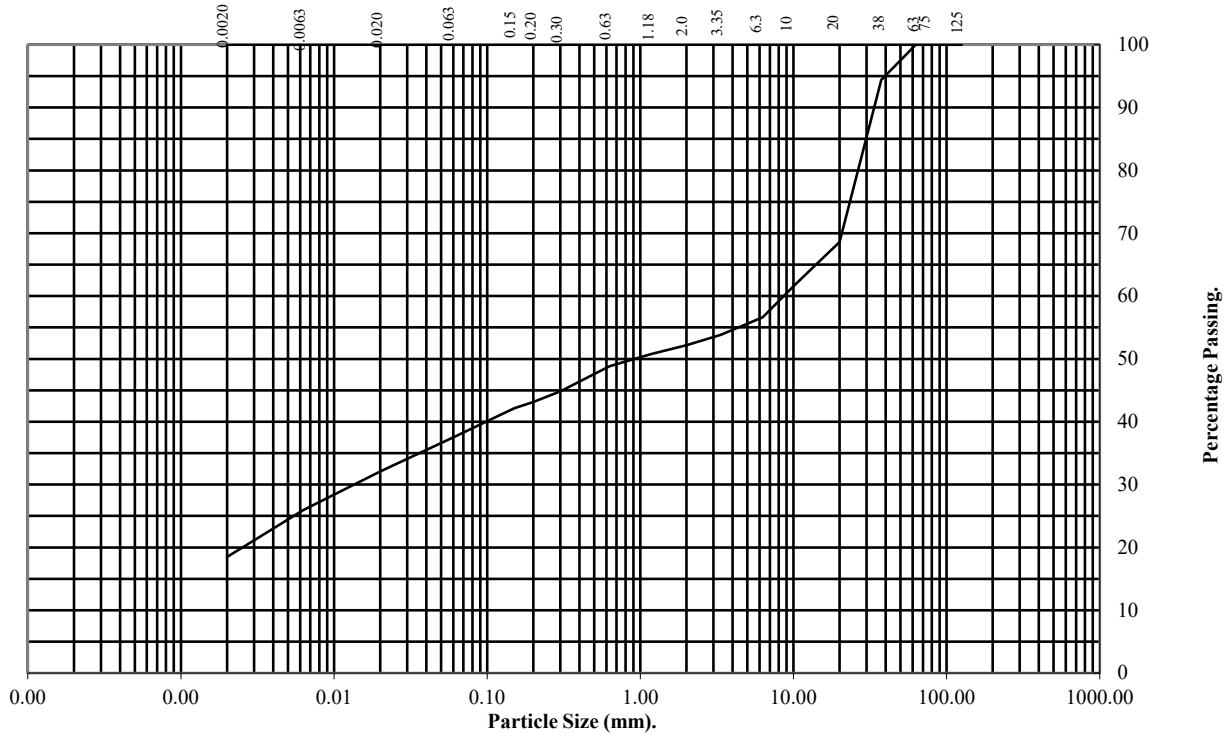
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-03** Top Depth (m): **0.20**

Sample Number: **1** Base Depth (m): **0.60**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	94
20	69
10	62
6.3	57
3.35	54
2	52
1.18	51
0.63	49
0.3	45
0.2	43
0.15	42
0.063	38

Particle Diameter	Percentage Passing
0.020	32
0.0063	26
0.0020	18
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	48
Sand	14
Silt	20
Clay	18

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7203
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

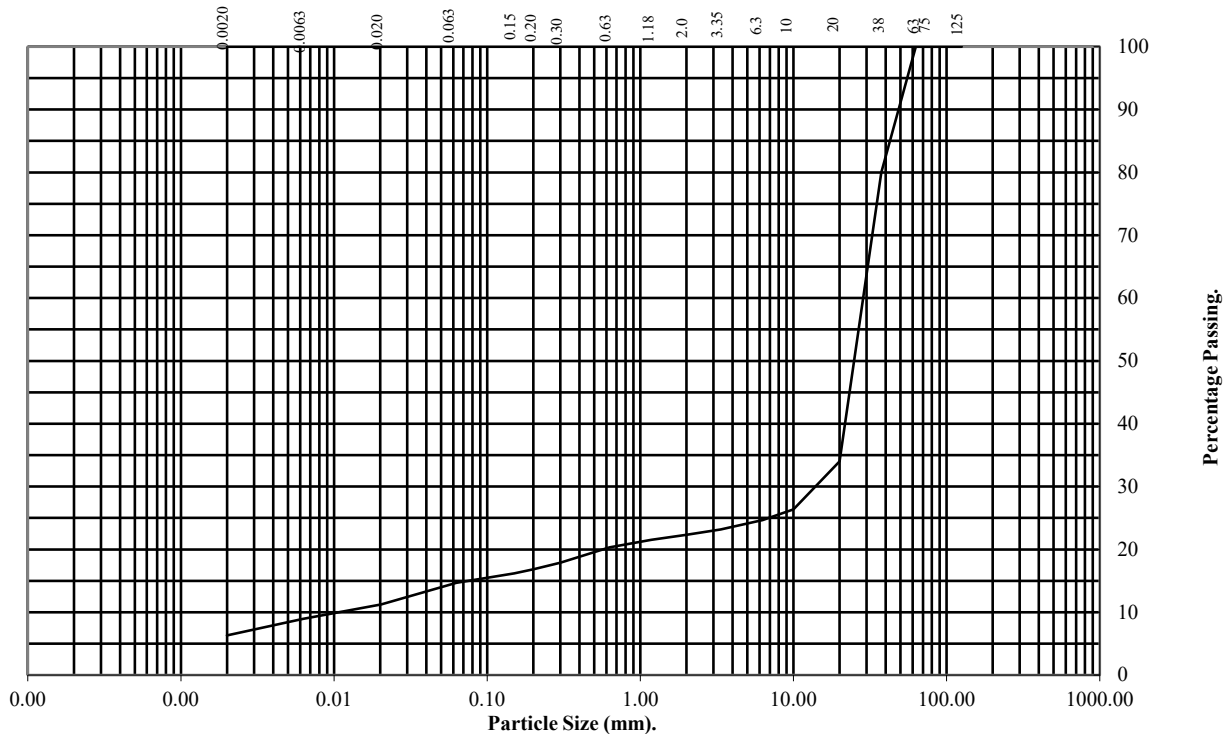
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-03** Top Depth (m): **0.90**

Sample Number: **4** Base Depth (m): **1.20**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	80
20	34
10	26
6.3	25
3.35	23
2	22
1.18	22
0.63	20
0.3	18
0.2	17
0.15	16
0.063	15

Particle Diameter	Percentage Passing
0.020	11
0.0063	9
0.0020	6
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	78
Sand	7
Silt	9
Clay	6

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7203
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

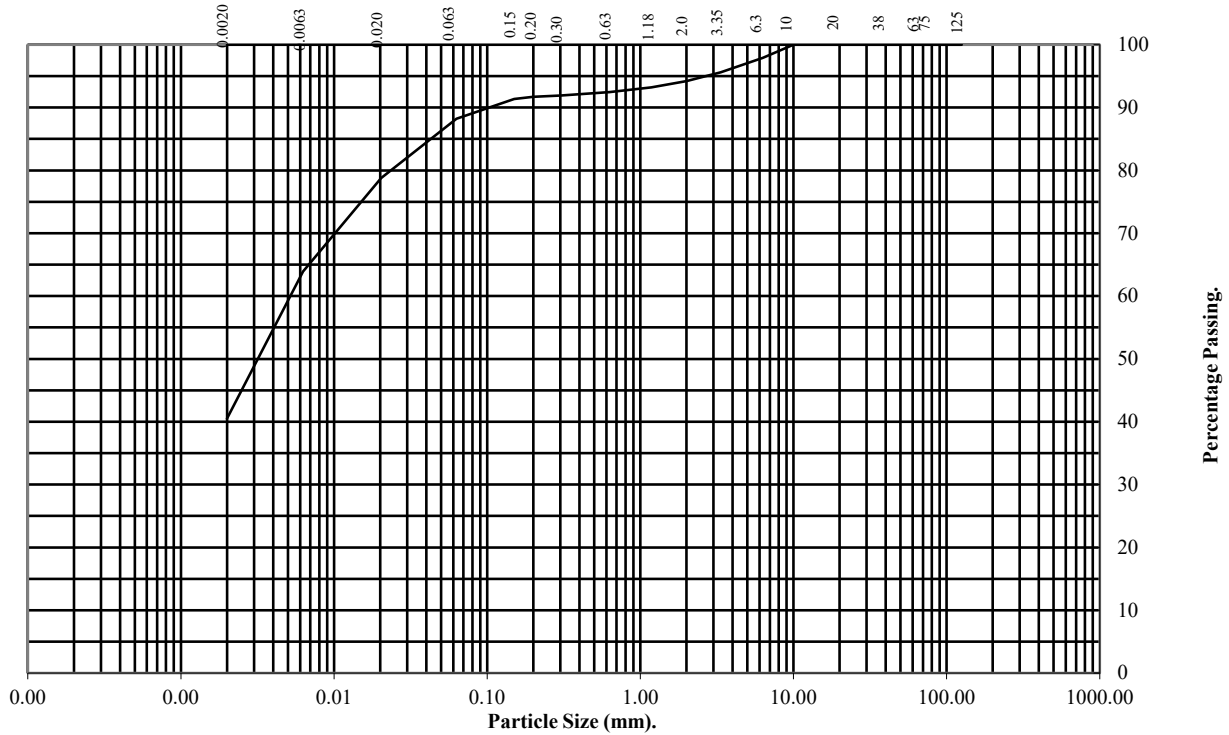
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-03 **Top Depth (m):** 3.50

Sample Number: 12 **Base Depth (m):** 3.95

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	98
3.35	96
2	94
1.18	93
0.63	92
0.3	92
0.2	92
0.15	91
0.063	88

Particle Diameter	Percentage Passing
0.020	79
0.0063	64
0.0020	40
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	6
Sand	6
Silt	48
Clay	40

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Dilligence

Contract No:
PSL24/7021
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

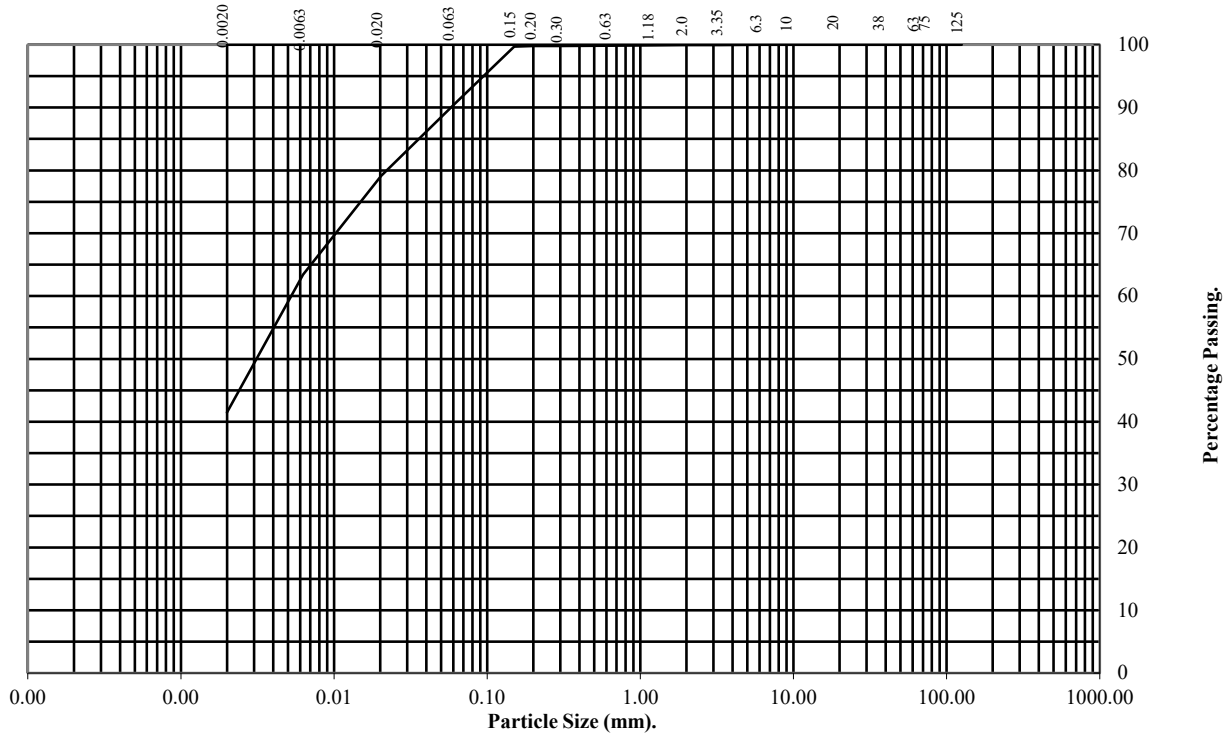
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-03** Top Depth (m): **4.50**

Sample Number: **15** Base Depth (m): **4.95**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	91

Particle Diameter	Percentage Passing
0.020	79
0.0063	63
0.0020	41
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	9
Silt	50
Clay	41

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Dilligence

Contract No:
PSL24/7021
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

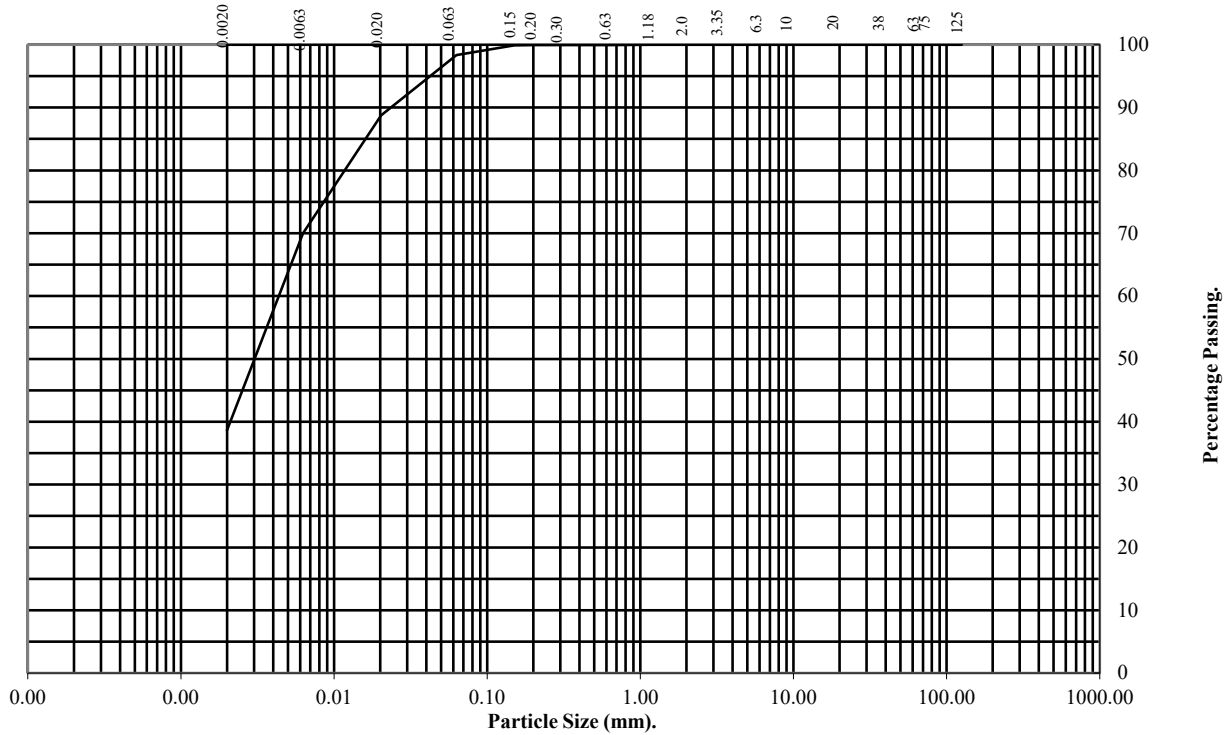
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-03 **Top Depth (m):** 6.00

Sample Number: 18 **Base Depth (m):** 6.45

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	98

Particle Diameter	Percentage Passing
0.020	89
0.0063	70
0.0020	39
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	59
Clay	39

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Dilligence

Contract No:
PSL24/7021
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

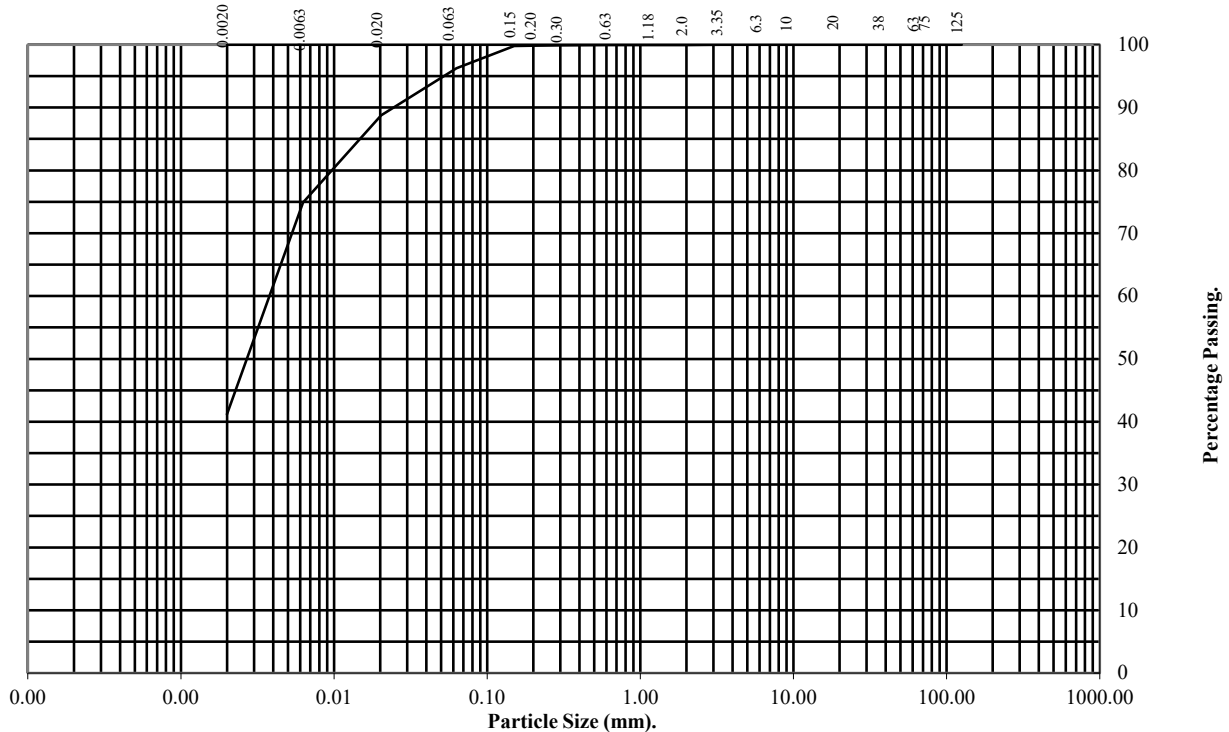
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-03 **Top Depth (m):** 7.50

Sample Number: 22 **Base Depth (m):** 7.95

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	96

Particle Diameter	Percentage Passing
0.020	89
0.0063	75
0.0020	41
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	4
Silt	55
Clay	41

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Dilligence

Contract No:
PSL24/7021
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

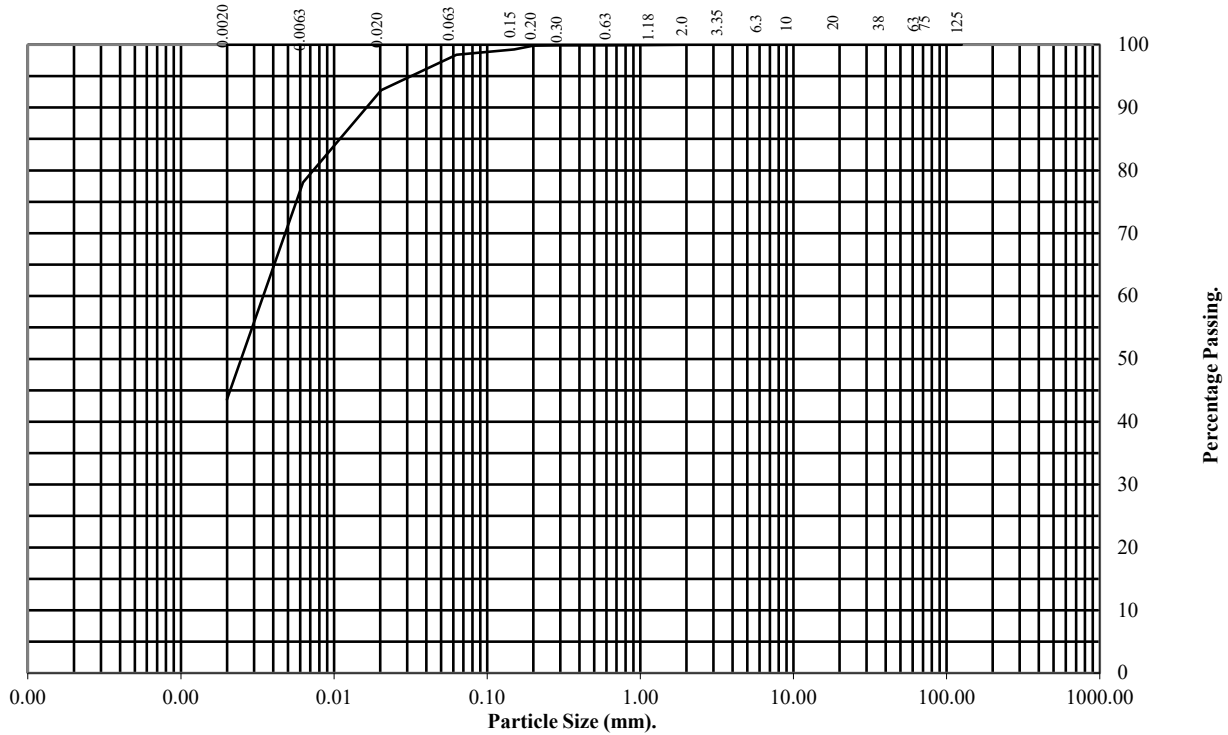
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-03** Top Depth (m): **9.50**

Sample Number: **25** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	99
0.063	98

Particle Diameter	Percentage Passing
0.020	93
0.0063	78
0.0020	44
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	54
Clay	44

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Dilligence

Contract No:
PSL24/7021
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

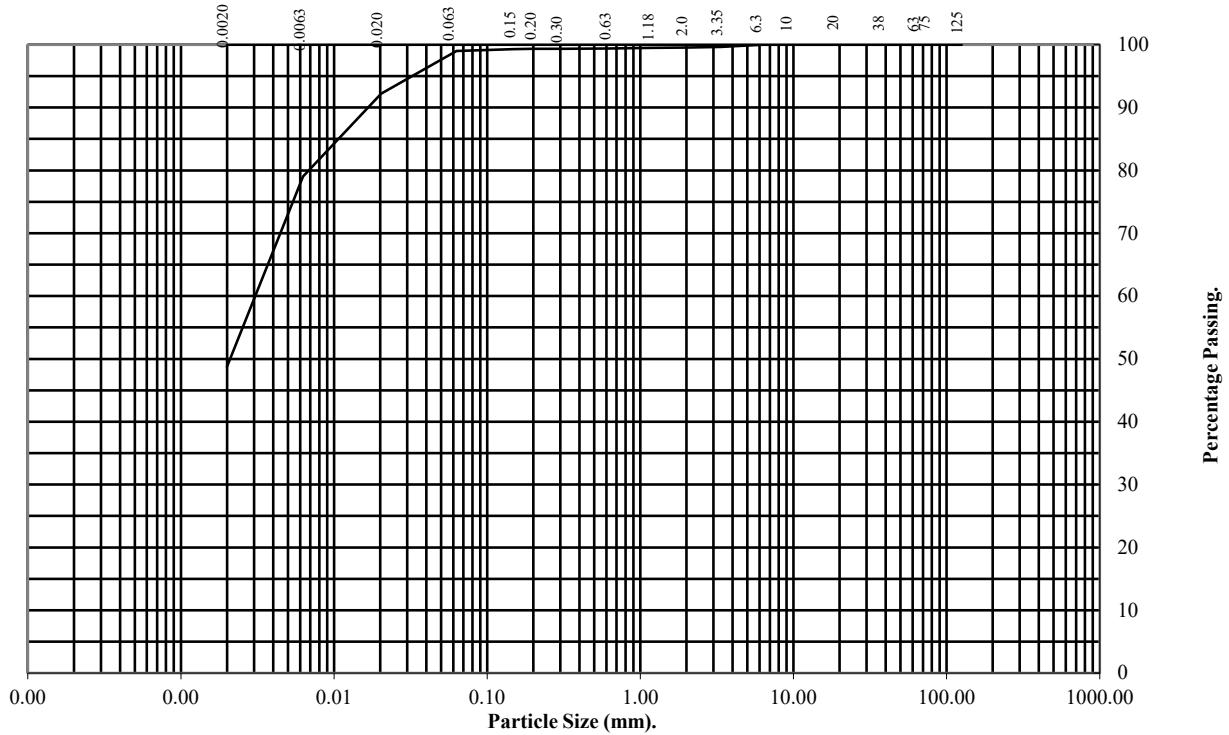
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-03** Top Depth (m): **12.00**

Sample Number: **30** Base Depth (m): **12.45**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	99
0.63	99
0.3	99
0.2	99
0.15	99
0.063	99

Particle Diameter	Percentage Passing
0.020	92
0.0063	79
0.0020	49
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	1
Silt	50
Clay	49

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Dilligence

Contract No:
PSL24/7021
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

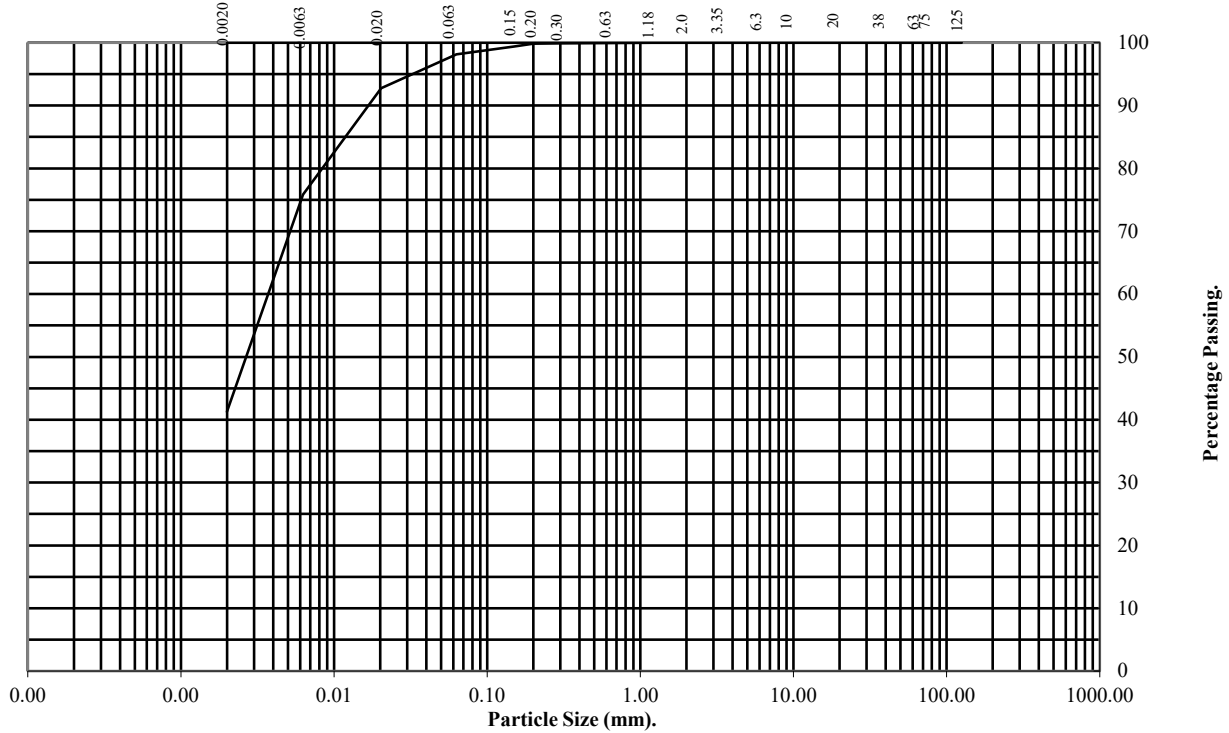
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-03 **Top Depth (m):** 13.50

Sample Number: 33 **Base Depth (m):** 13.95

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	99
0.063	98

Particle Diameter	Percentage Passing
0.020	93
0.0063	76
0.0020	41
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	57
Clay	41

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Dilligence

Contract No:
PSL24/7021
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

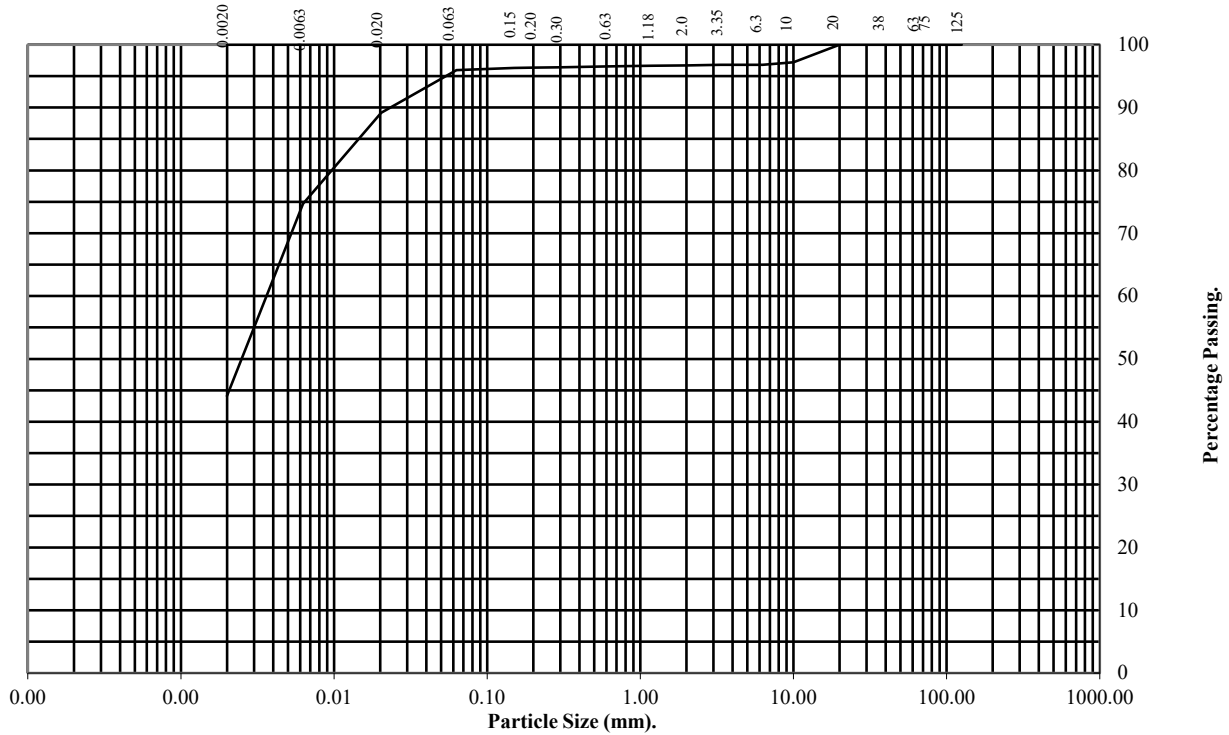
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-03** Top Depth (m): **17.00**

Sample Number: **38** Base Depth (m): **17.45**

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	97
6.3	97
3.35	97
2	97
1.18	97
0.63	97
0.3	96
0.2	96
0.15	96
0.063	96

Particle Diameter	Percentage Passing
0.020	89
0.0063	75
0.0020	44
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	3
Sand	1
Silt	52
Clay	44

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Dilligence

Contract No:
PSL24/7021
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

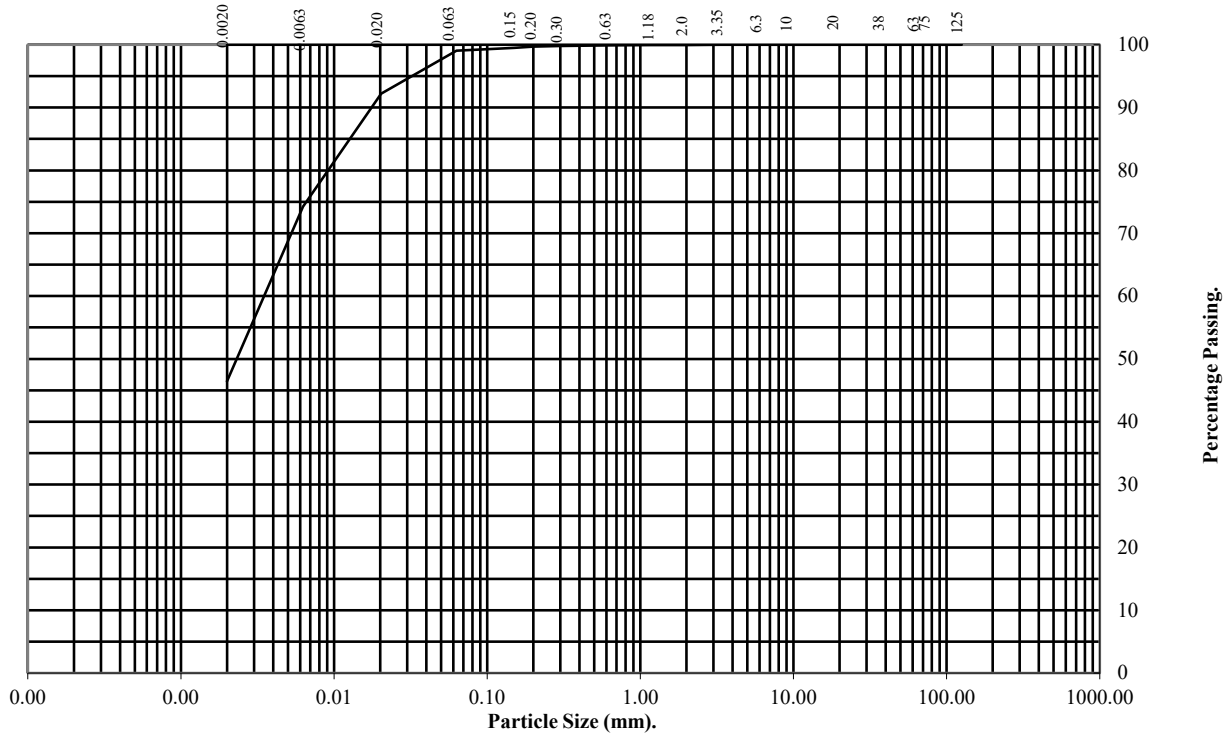
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-03** Top Depth (m): **21.00**

Sample Number: **45** Base Depth (m): **21.45**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	99
0.063	99

Particle Diameter	Percentage Passing
0.020	92
0.0063	74
0.0020	46
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	1
Silt	53
Clay	46

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Dilligence

Contract No:
PSL24/7021
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

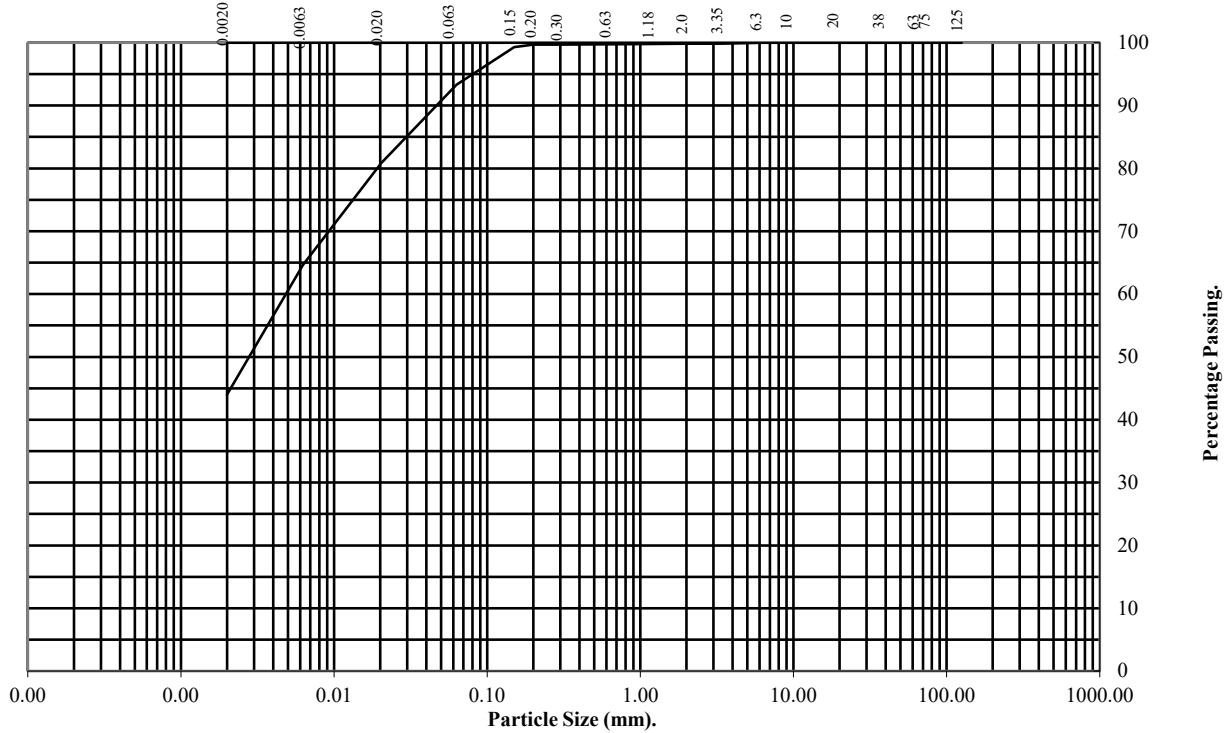
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-03 **Top Depth (m):** 23.00

Sample Number: 49 **Base Depth (m):** 23.45

Sample Type: D



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	99
0.063	93

Particle Diameter	Percentage Passing
0.020	81
0.0063	65
0.0020	44
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	7
Silt	49
Clay	44

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Dilligence

Contract No:
PSL24/7021
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

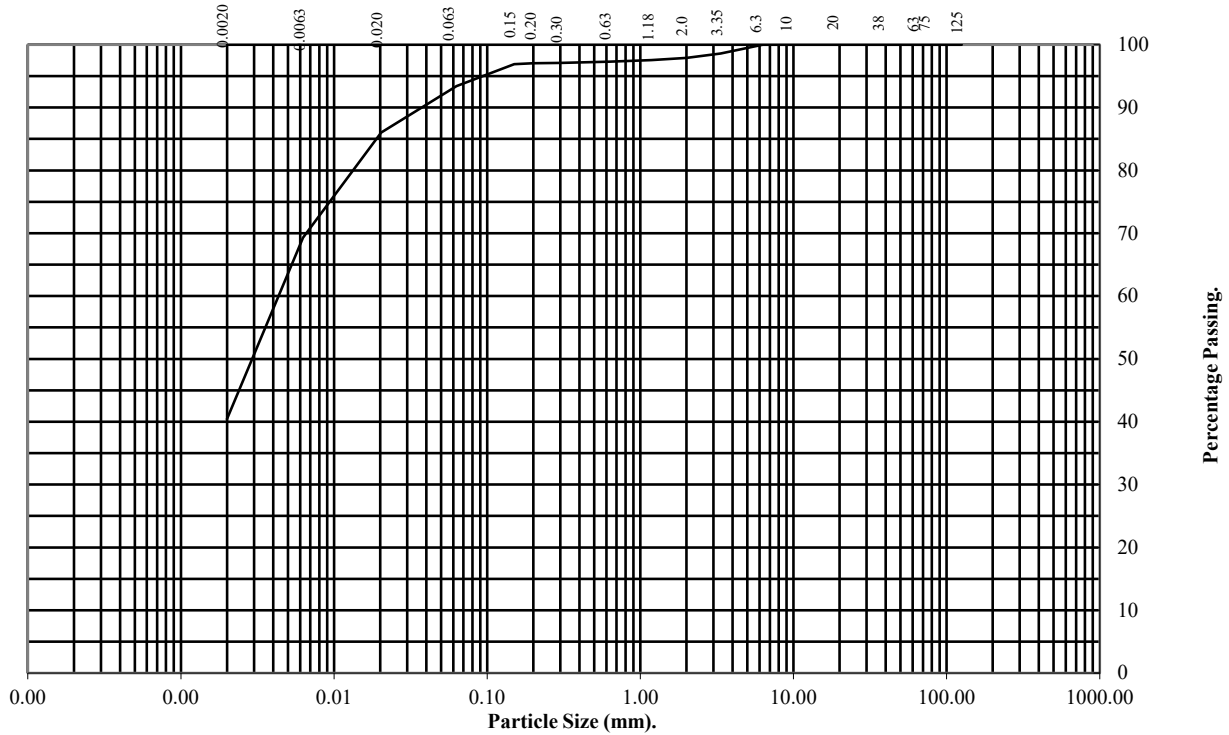
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-03** Top Depth (m): **26.00**

Sample Number: **53** Base Depth (m): **26.45**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	99
2	98
1.18	98
0.63	97
0.3	97
0.2	97
0.15	97
0.063	93

Particle Diameter	Percentage Passing
0.020	86
0.0063	69
0.0020	40
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	2
Sand	5
Silt	53
Clay	40

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Dilligence

Contract No:
PSL24/7021
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

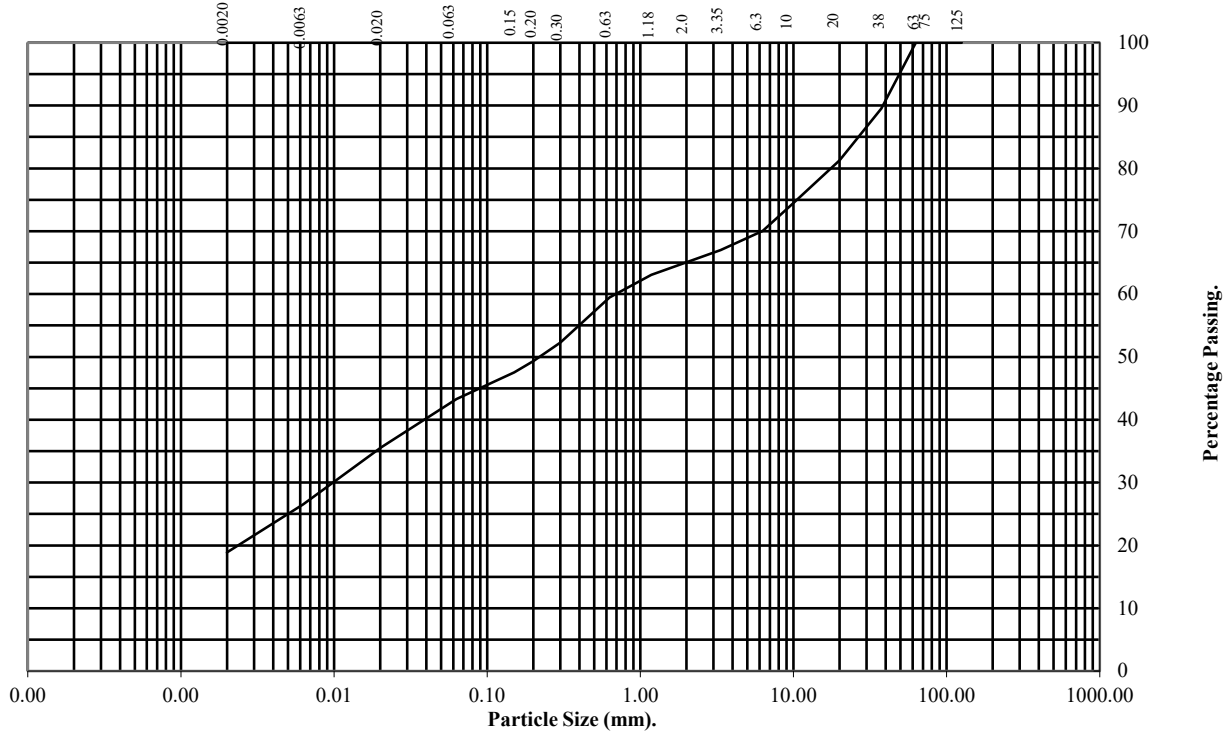
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-04A** Top Depth (m): **0.30**

Sample Number: **1** Base Depth (m): **0.50**

Sample Type: **LB**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	89
20	81
10	74
6.3	70
3.35	67
2	65
1.18	63
0.63	59
0.3	52
0.2	49
0.15	48
0.063	43

Particle Diameter	Percentage Passing
0.020	36
0.0063	27
0.0020	19
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	35
Sand	22
Silt	24
Clay	19

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7203
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

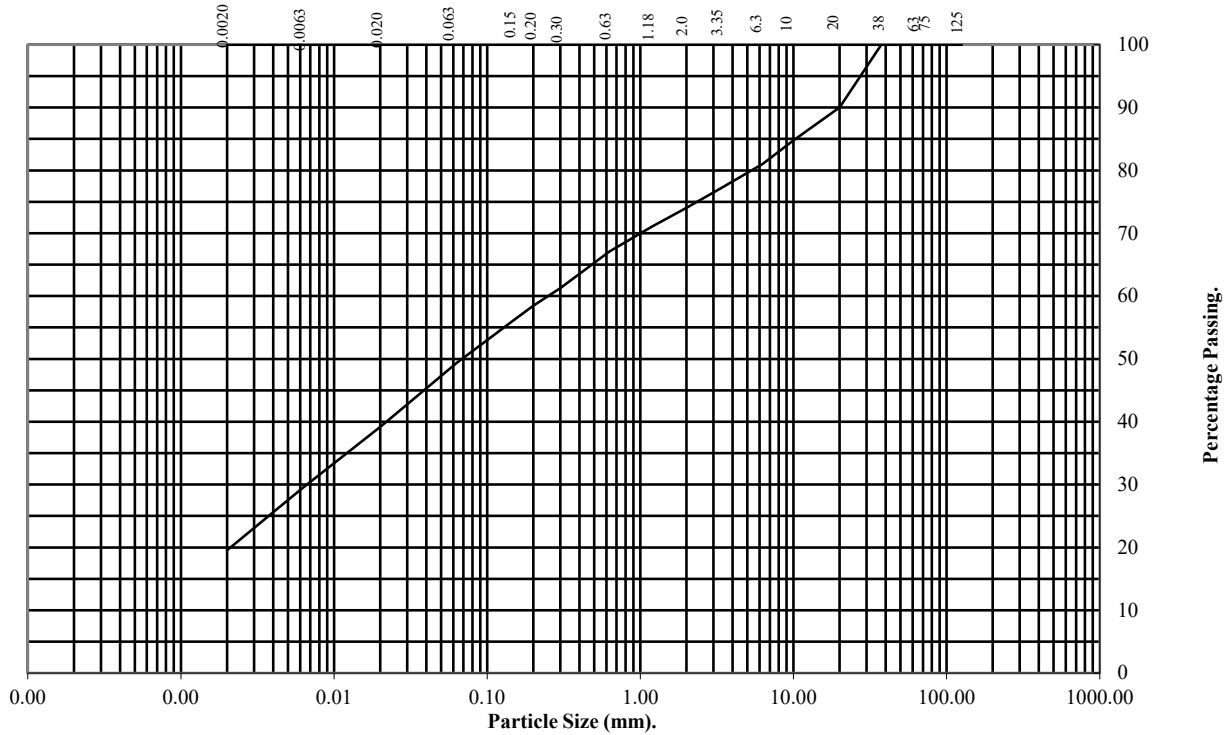
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-04A **Top Depth (m):** 0.90

Sample Number: 5 **Base Depth (m):** 1.20

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	90
10	85
6.3	81
3.35	77
2	74
1.18	71
0.63	67
0.3	61
0.2	58
0.15	56
0.063	49

Particle Diameter	Percentage Passing
0.020	39
0.0063	30
0.0020	20
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	26
Sand	25
Silt	29
Clay	20

Remarks:
See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7203
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

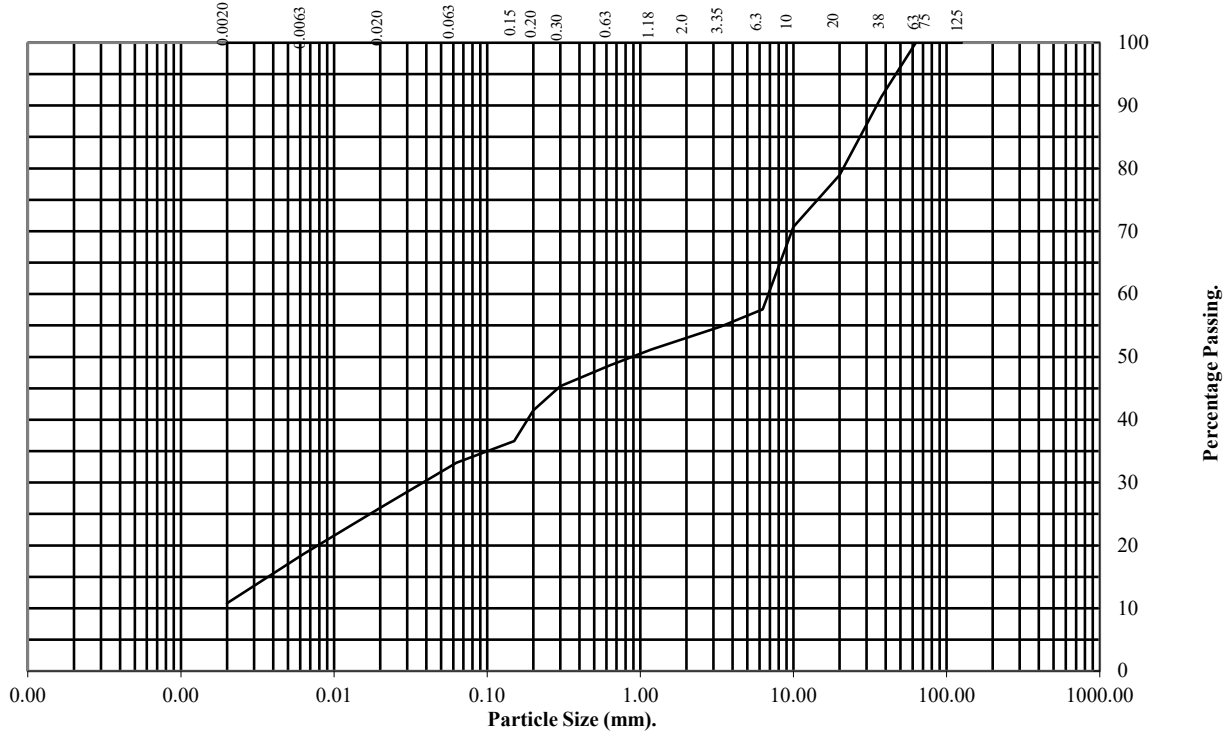
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-04A **Top Depth (m):** 1.65

Sample Number: 9 **Base Depth (m):** 2.00

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	91
20	79
10	71
6.3	58
3.35	55
2	53
1.18	51
0.63	49
0.3	45
0.2	42
0.15	37
0.063	33

Particle Diameter	Percentage Passing
0.020	26
0.0063	19
0.0020	11
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	47
Sand	20
Silt	22
Clay	11

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7020
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

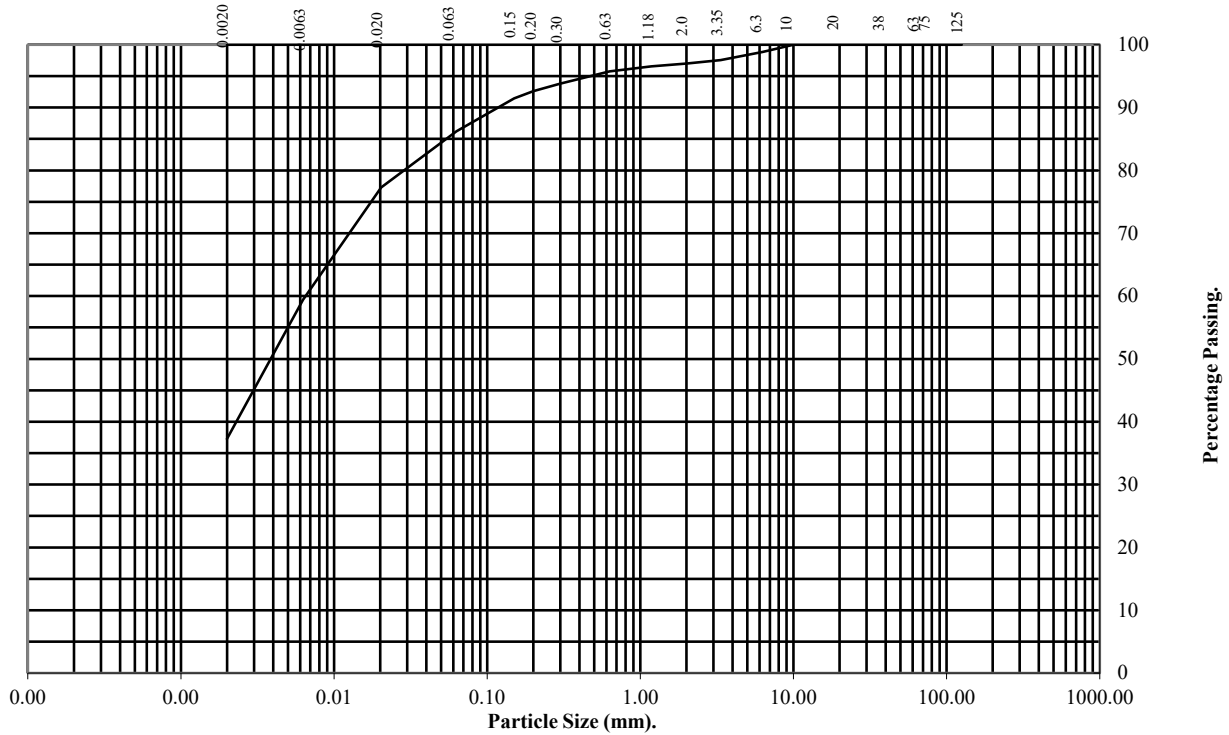
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-04A **Top Depth (m):** 2.00

Sample Number: 11 **Base Depth (m):** 2.50

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	99
3.35	98
2	97
1.18	97
0.63	96
0.3	94
0.2	93
0.15	91
0.063	86

Particle Diameter	Percentage Passing
0.020	77
0.0063	59
0.0020	37
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	3
Sand	11
Silt	49
Clay	37

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7020
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

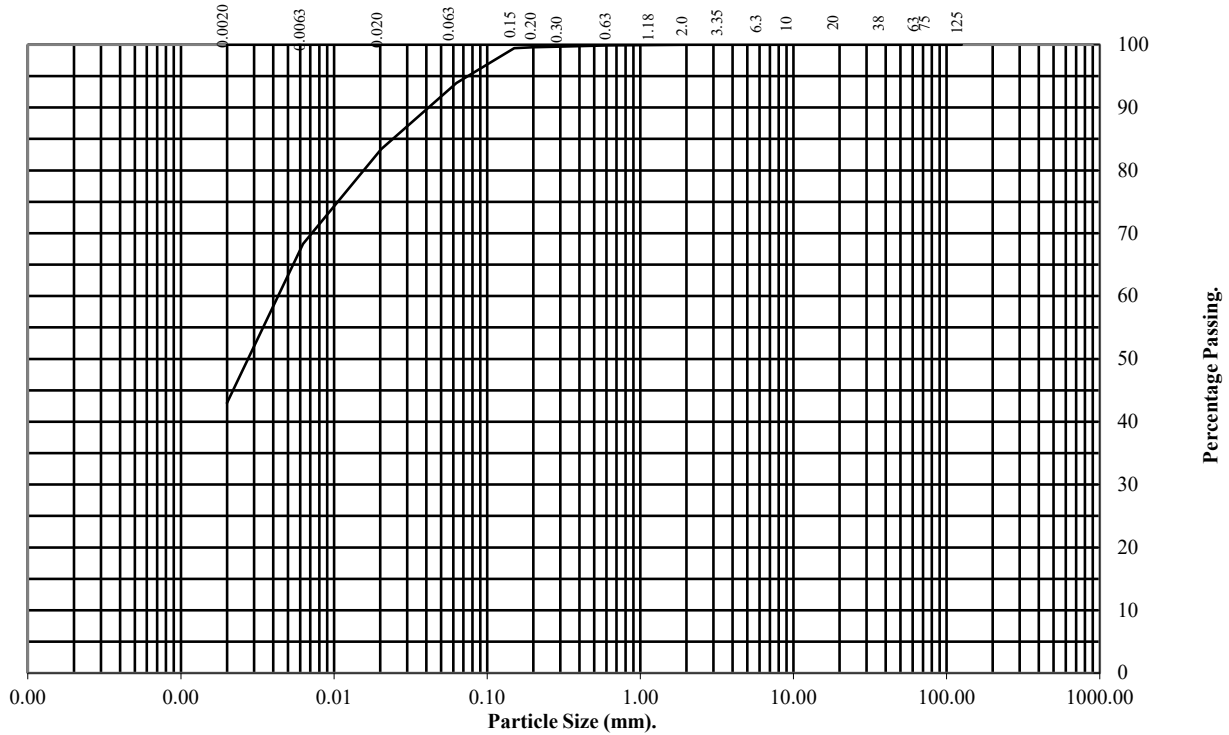
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-04A **Top Depth (m):** 4.50

Sample Number: 15 **Base Depth (m):**

Sample Type: D



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	99
0.063	94

Particle Diameter	Percentage Passing
0.020	83
0.0063	68
0.0020	43
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	6
Silt	51
Clay	43

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7020
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

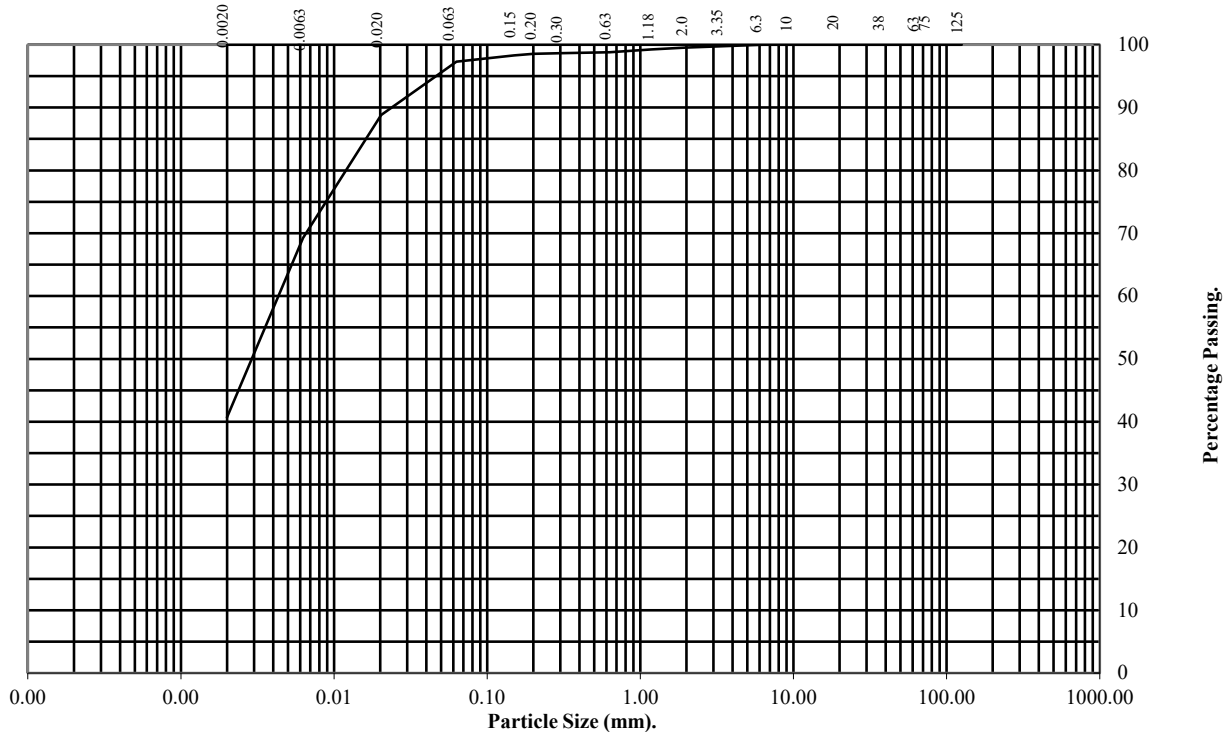
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-04A** Top Depth (m): **6.00**

Sample Number: **18** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	99
0.63	99
0.3	99
0.2	99
0.15	98
0.063	97

Particle Diameter	Percentage Passing
0.020	89
0.0063	69
0.0020	41
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	3
Silt	56
Clay	41

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7020
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

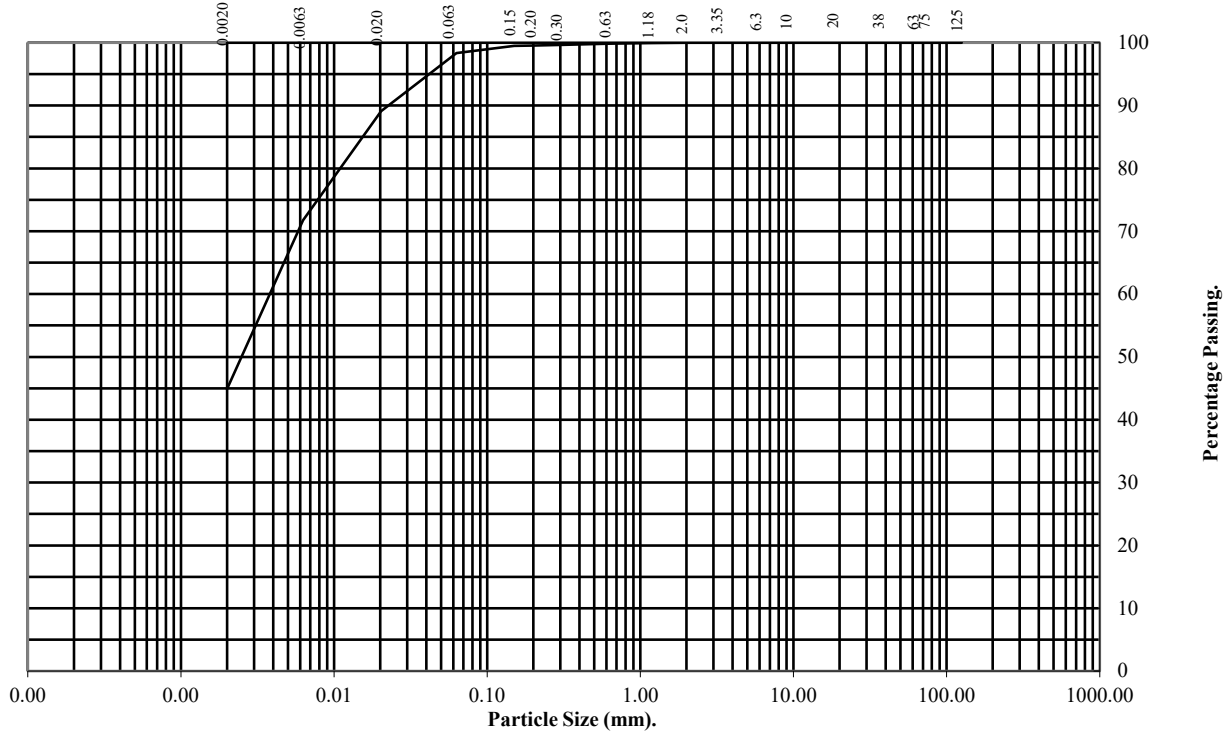
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-04A **Top Depth (m):** 7.00

Sample Number: 21 **Base Depth (m):**

Sample Type: D



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	98

Particle Diameter	Percentage Passing
0.020	89
0.0063	72
0.0020	45
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	53
Clay	45

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7020
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

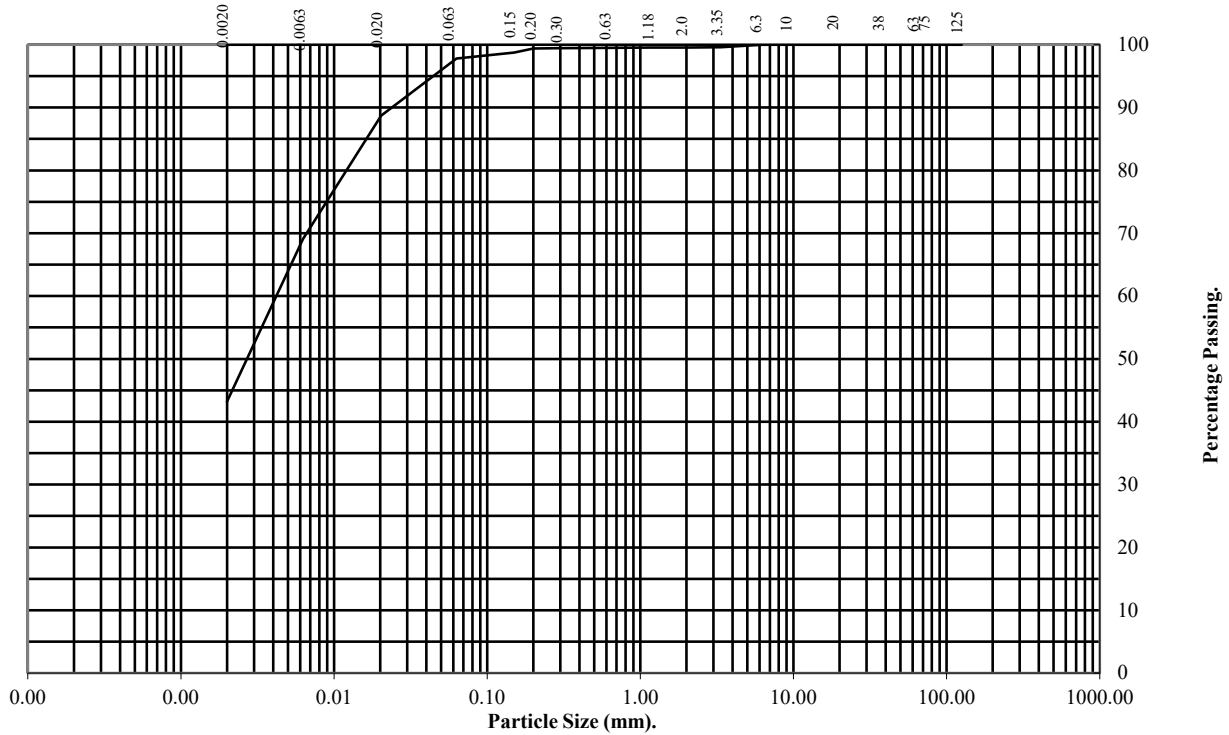
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-04A** Top Depth (m): **9.00**

Sample Number: **25** Base Depth (m): **9.45**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	99
0.2	99
0.15	99
0.063	98

Particle Diameter	Percentage Passing
0.020	89
0.0063	69
0.0020	43
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	55
Clay	43

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7020
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-05** Top Depth (m): **1.60**

Sample Number: **4** Base Depth (m): **2.10**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	96
20	92
10	86
6.3	83
3.35	78
2	75
1.18	72
0.63	68
0.3	63
0.2	61
0.15	59
0.063	56

Particle Diameter	Percentage Passing
0.020	46
0.0063	35
0.0020	22
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	25
Sand	19
Silt	34
Clay	22

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7203
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

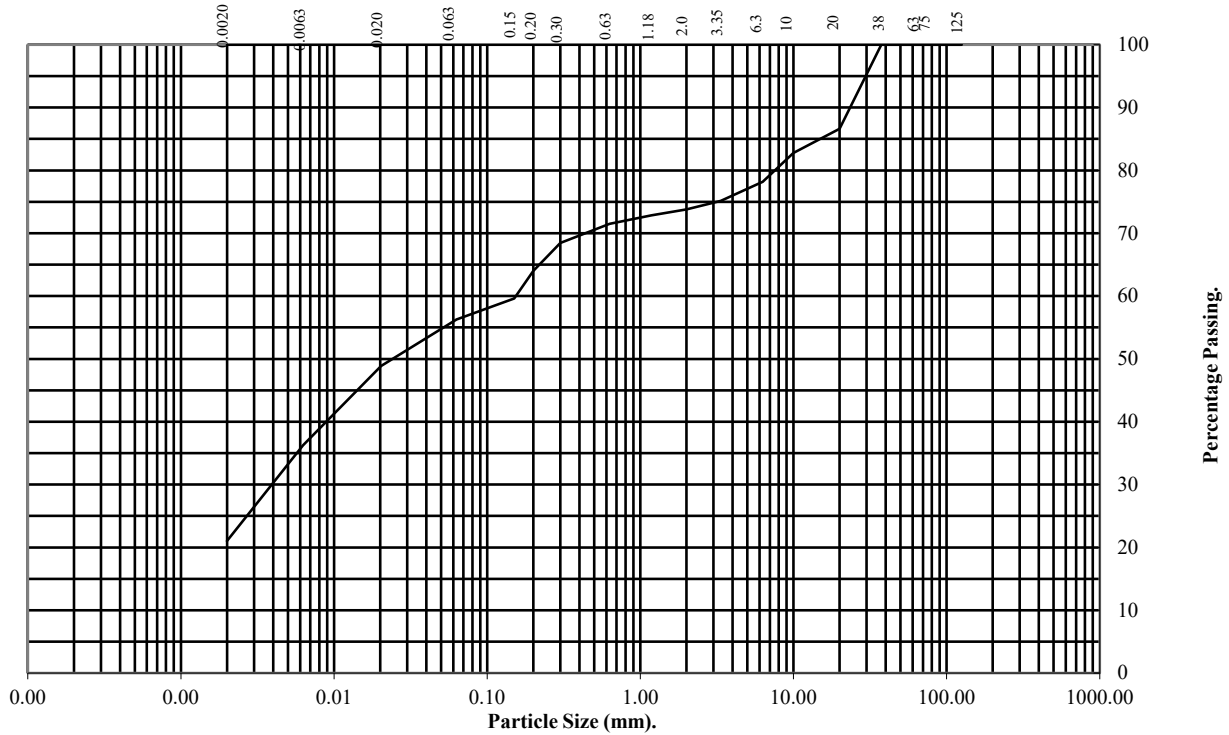
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-05** **Top Depth (m):** **3.00**

Sample Number: **7** **Base Depth (m):** **3.50**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	87
10	83
6.3	78
3.35	75
2	74
1.18	73
0.63	71
0.3	68
0.2	64
0.15	60
0.063	56

Particle Diameter	Percentage Passing
0.020	49
0.0063	36
0.0020	21
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	26
Sand	18
Silt	35
Clay	21

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7025
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

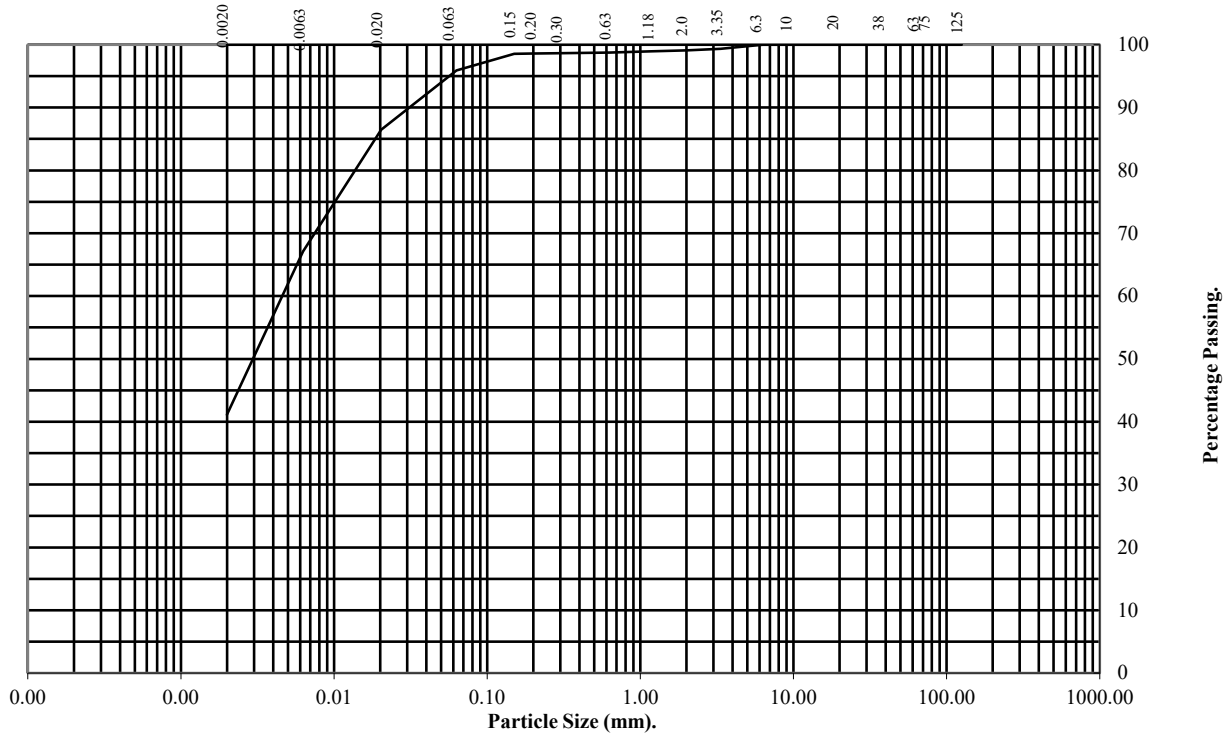
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-05** Top Depth (m): **4.50**

Sample Number: **12** Base Depth (m): **4.95**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	99
2	99
1.18	99
0.63	99
0.3	99
0.2	99
0.15	99
0.063	96

Particle Diameter	Percentage Passing
0.020	86
0.0063	67
0.0020	41
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	1
Sand	3
Silt	55
Clay	41

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7025
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

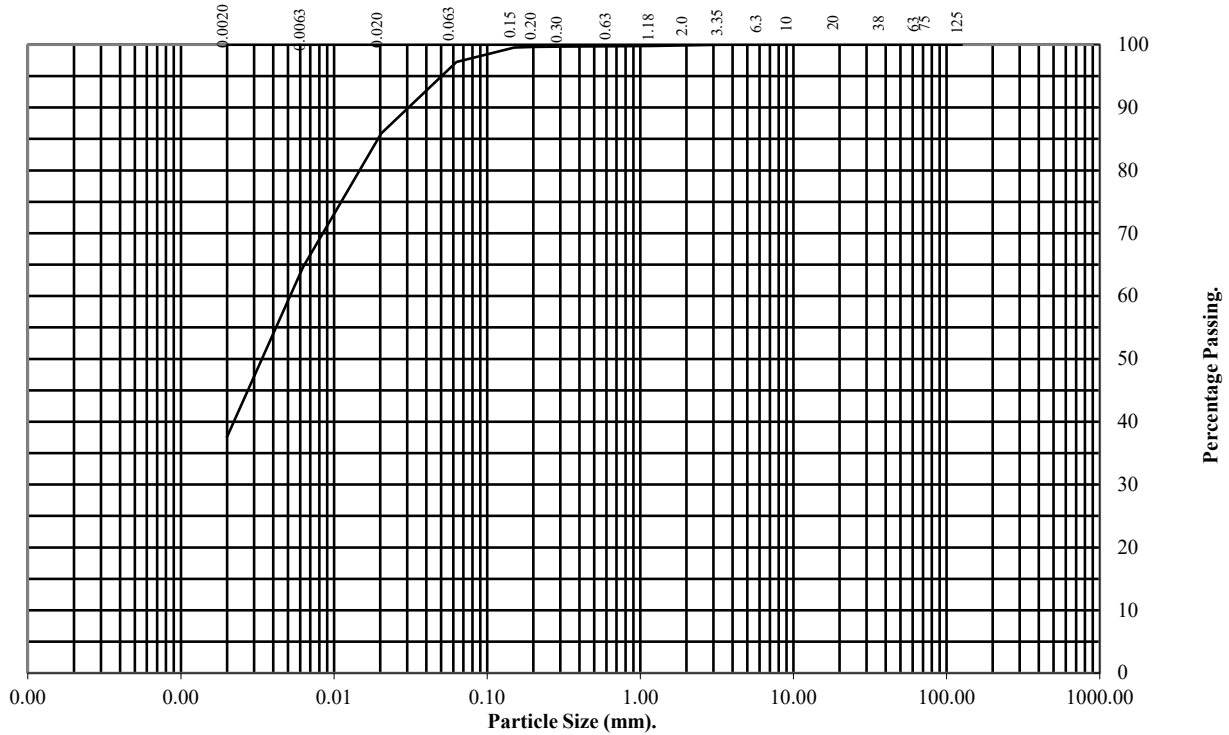
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-05** Top Depth (m): **7.50**

Sample Number: **16** Base Depth (m): **7.95**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	97

Particle Diameter	Percentage Passing
0.020	86
0.0063	65
0.0020	38
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	3
Silt	59
Clay	38

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7025
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

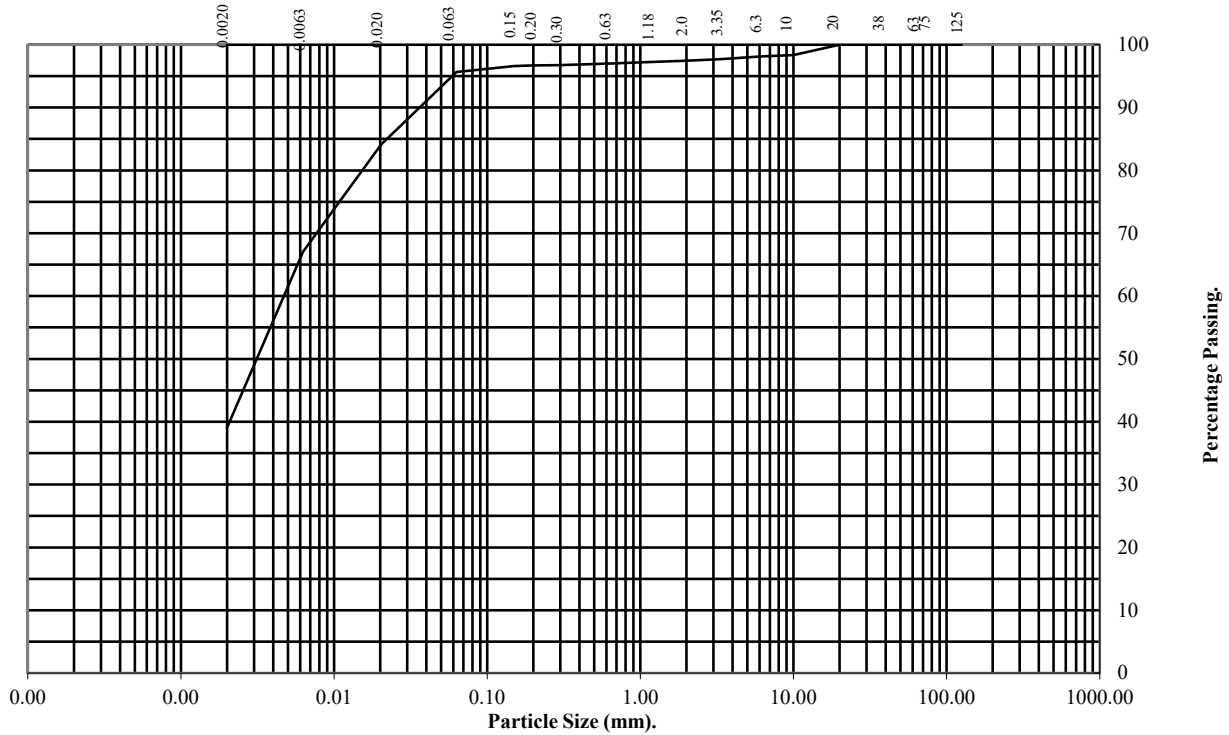
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-05** Top Depth (m): **10.00**

Sample Number: **20** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	98
6.3	98
3.35	98
2	97
1.18	97
0.63	97
0.3	97
0.2	97
0.15	97
0.063	96

Particle Diameter	Percentage Passing
0.020	84
0.0063	67
0.0020	39
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	3
Sand	1
Silt	57
Clay	39

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7025
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

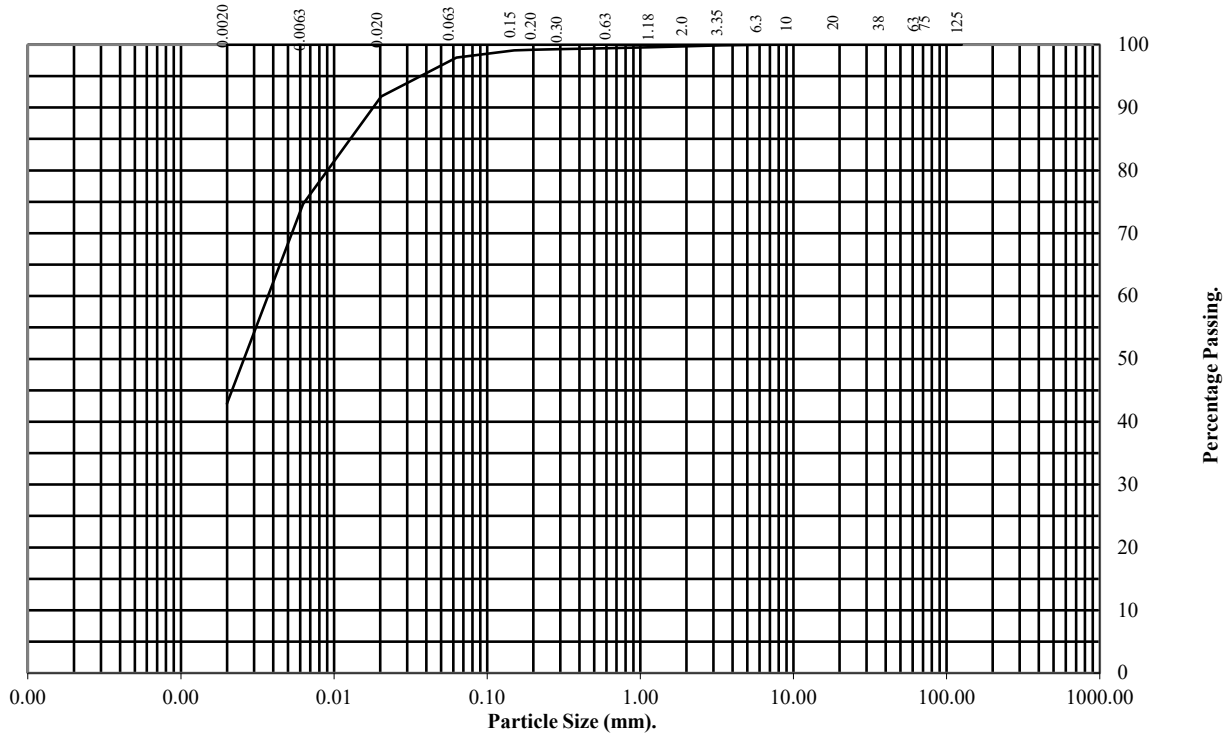
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-05** Top Depth (m): **13.50**

Sample Number: **26** Base Depth (m): **13.95**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	99
0.3	99
0.2	99
0.15	99
0.063	98

Particle Diameter	Percentage Passing
0.020	92
0.0063	75
0.0020	43
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	55
Clay	43

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7025
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

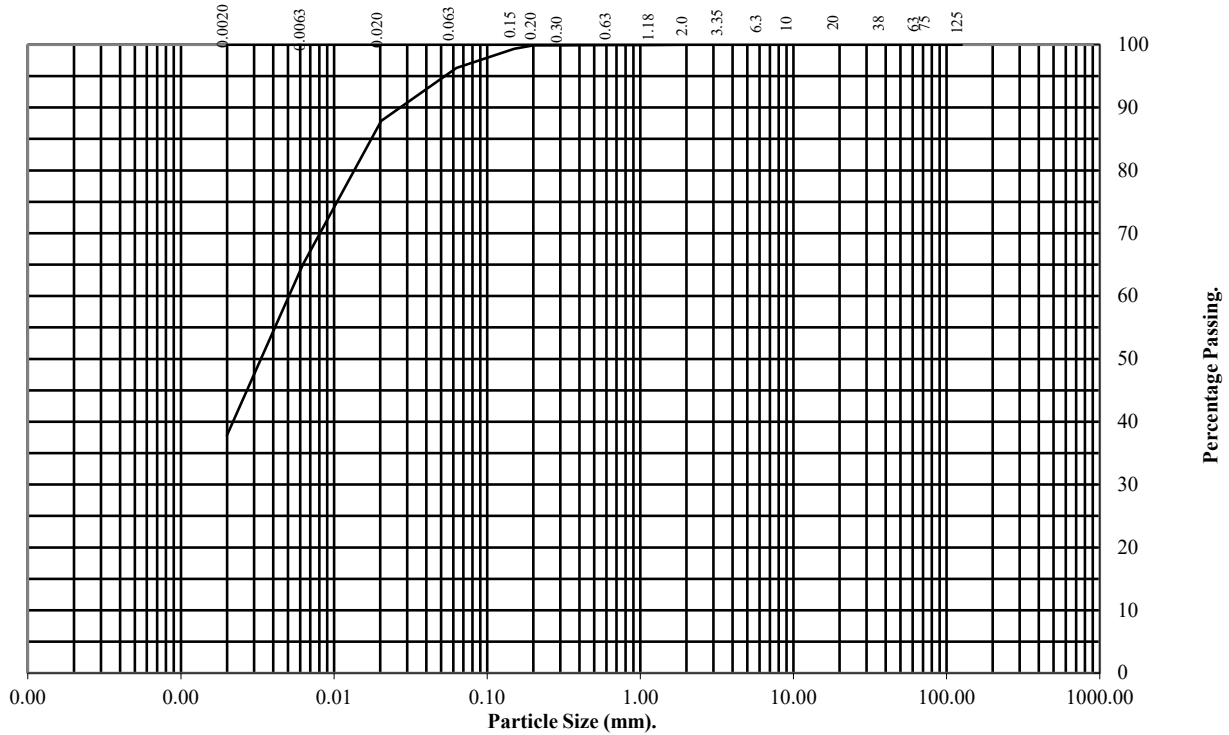
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-05** Top Depth (m): **16.50**

Sample Number: **30** Base Depth (m): **16.95**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	99
0.063	96

Particle Diameter	Percentage Passing
0.020	88
0.0063	65
0.0020	38
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	4
Silt	58
Clay	38

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7025
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

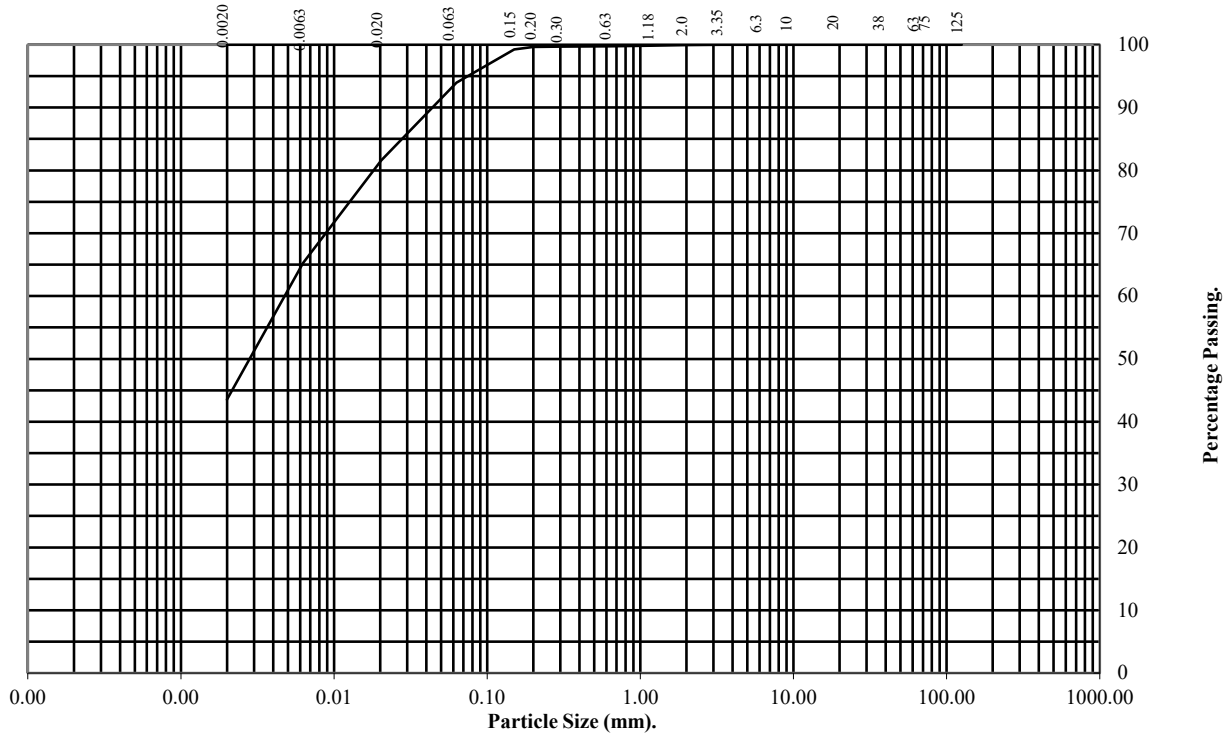
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-05** Top Depth (m): **19.50**

Sample Number: **35** Base Depth (m): **19.95**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	99
0.063	94

Particle Diameter	Percentage Passing
0.020	82
0.0063	65
0.0020	44
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	6
Silt	50
Clay	44

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7025
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

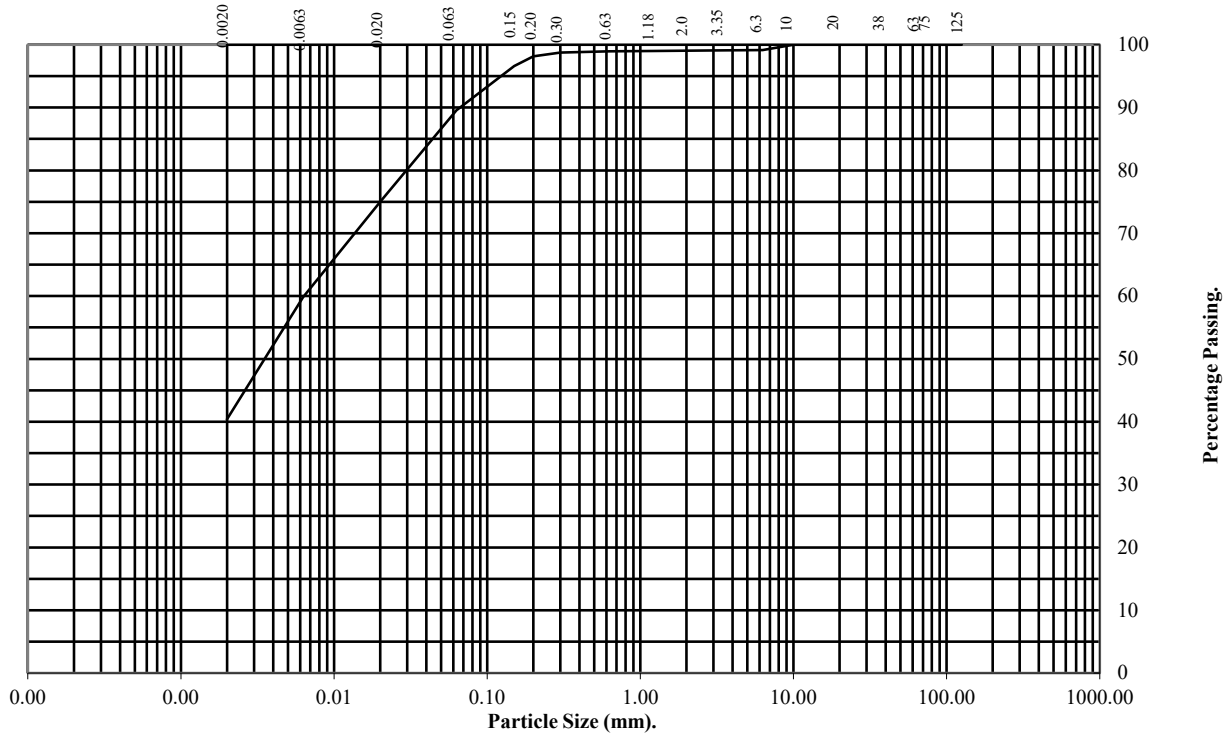
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-05** Top Depth (m): **21.00**

Sample Number: **39** Base Depth (m): **21.45**

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	99
3.35	99
2	99
1.18	99
0.63	99
0.3	99
0.2	98
0.15	97
0.063	90

Particle Diameter	Percentage Passing
0.020	75
0.0063	60
0.0020	40
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	1
Sand	9
Silt	50
Clay	40

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7025
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

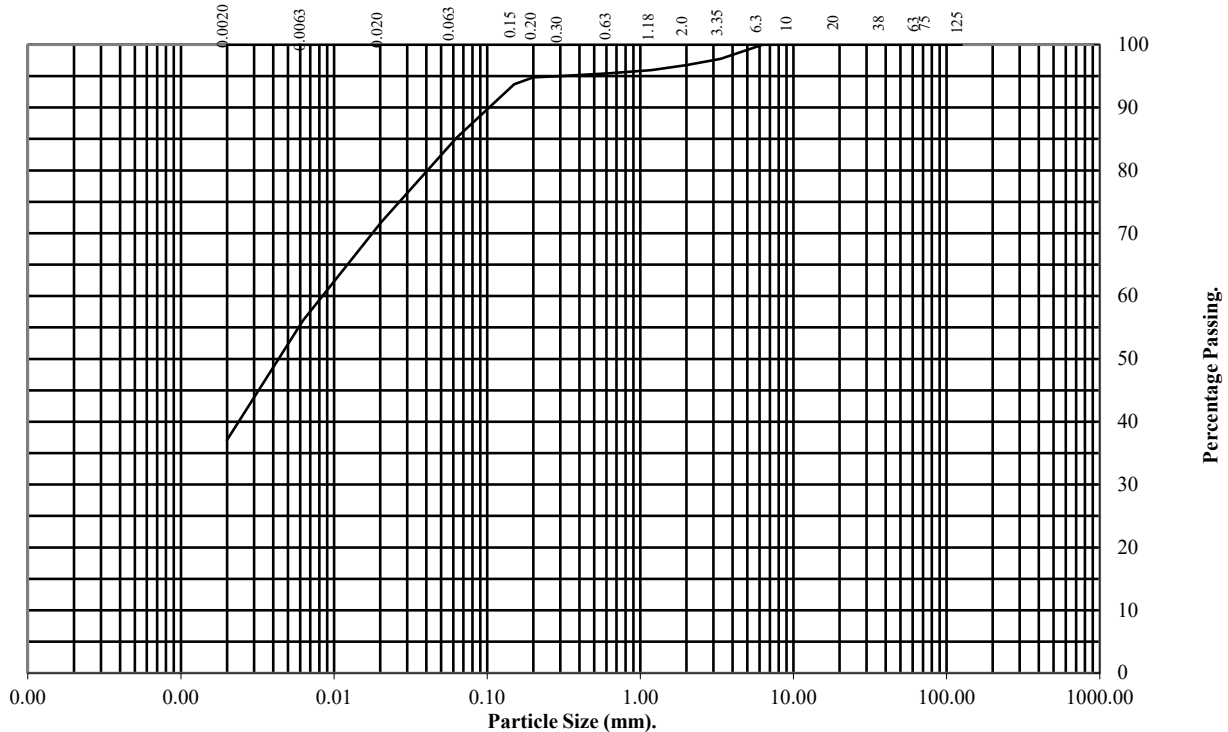
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-05** Top Depth (m): **23.50**

Sample Number: **43** Base Depth (m): **23.95**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	98
2	97
1.18	96
0.63	95
0.3	95
0.2	95
0.15	94
0.063	85

Particle Diameter	Percentage Passing
0.020	72
0.0063	56
0.0020	37
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	3
Sand	12
Silt	48
Clay	37

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7025
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

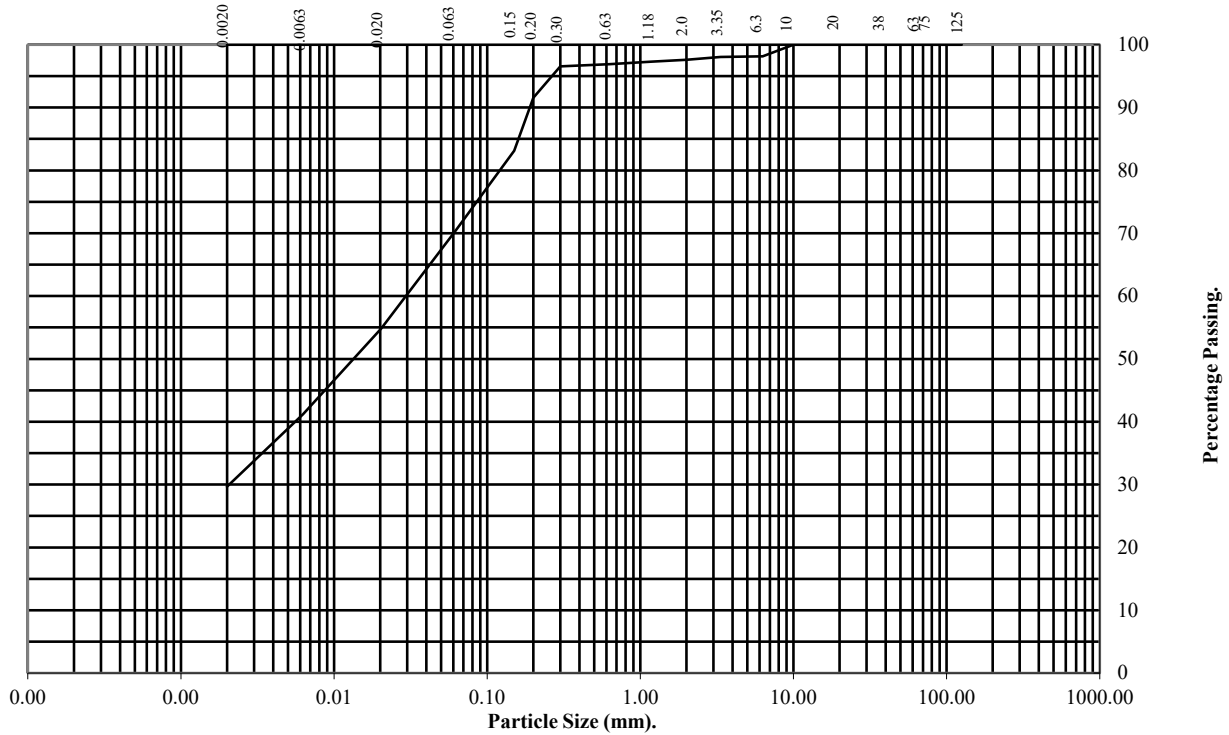
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-05 **Top Depth (m):** 24.00

Sample Number: 44 **Base Depth (m):** 24.45

Sample Type: D



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	98
3.35	98
2	98
1.18	97
0.63	97
0.3	97
0.2	92
0.15	83
0.063	71

Particle Diameter	Percentage Passing
0.020	55
0.0063	41
0.0020	30
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	2
Sand	27
Silt	41
Clay	30

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7025
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

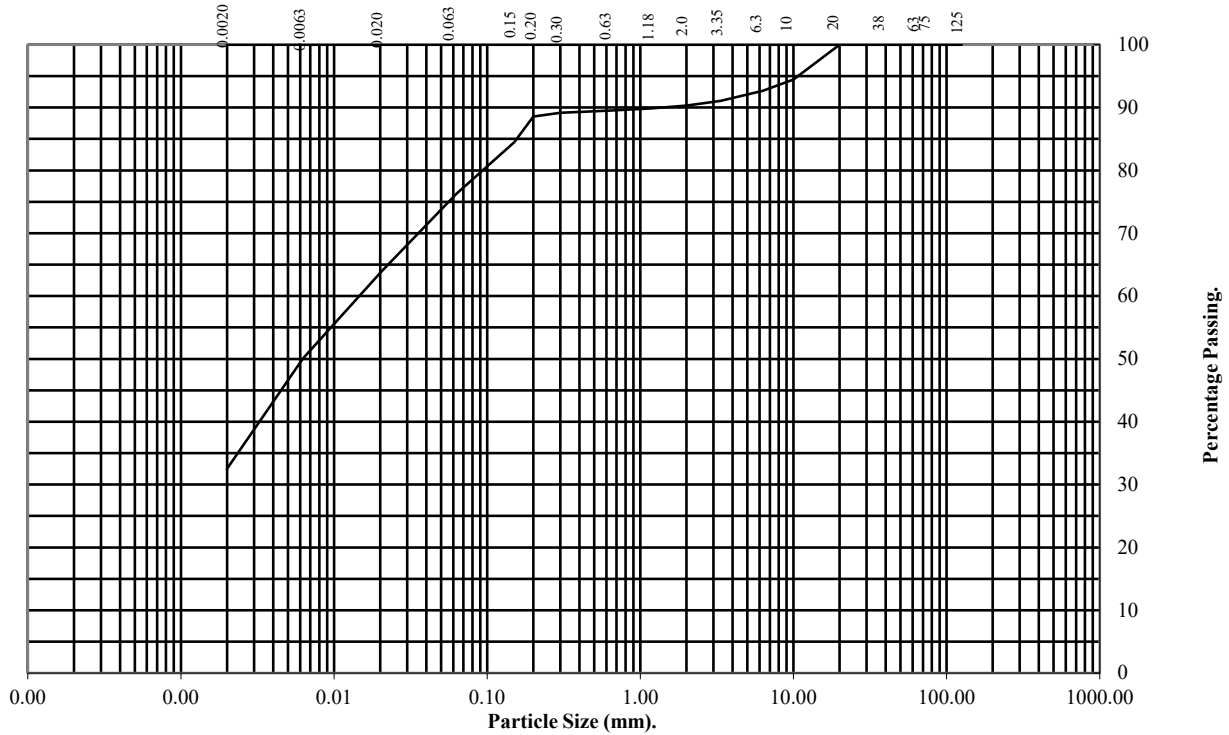
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-05** Top Depth (m): **25.00**

Sample Number: **45** Base Depth (m): **25.45**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	94
6.3	93
3.35	91
2	90
1.18	90
0.63	89
0.3	89
0.2	89
0.15	84
0.063	76

Particle Diameter	Percentage Passing
0.020	64
0.0063	50
0.0020	32
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	10
Sand	14
Silt	44
Clay	32

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7025
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

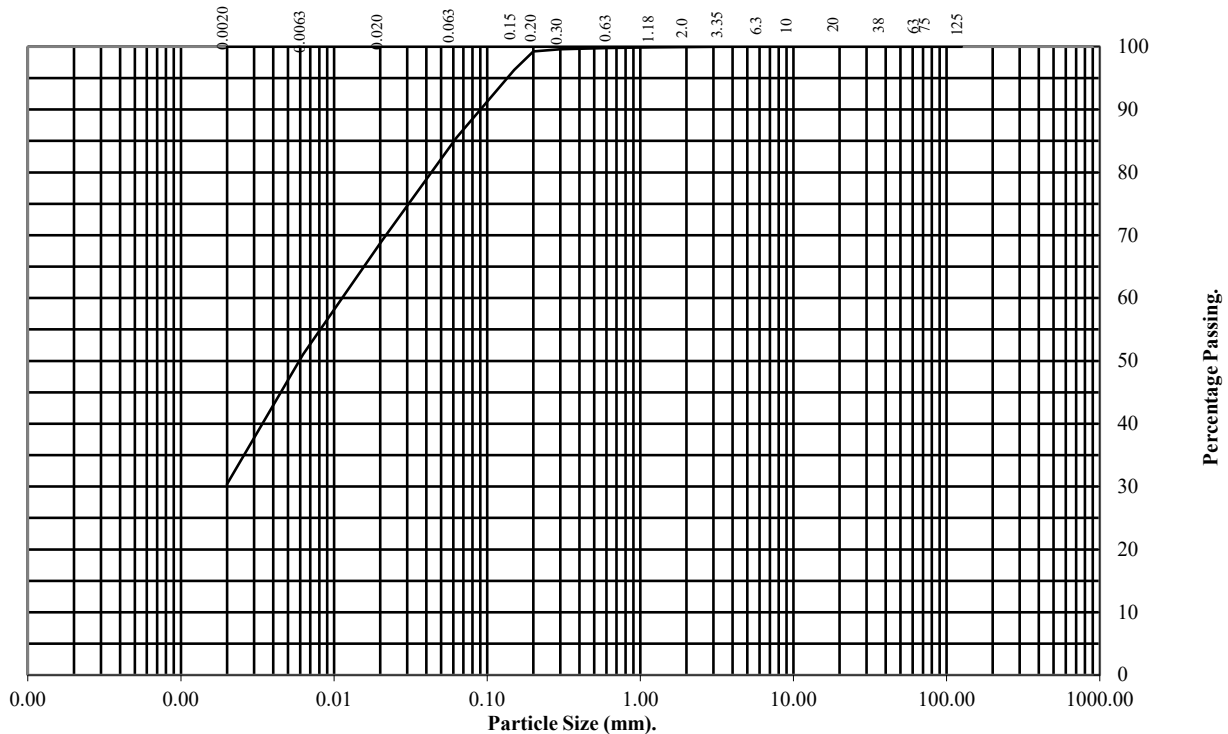
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-05** Top Depth (m): **25.50**

Sample Number: **46** Base Depth (m): **25.95**

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	99
0.15	96
0.063	86

Particle Diameter	Percentage Passing
0.020	69
0.0063	51
0.0020	30
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	14
Silt	56
Clay	30

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7025
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

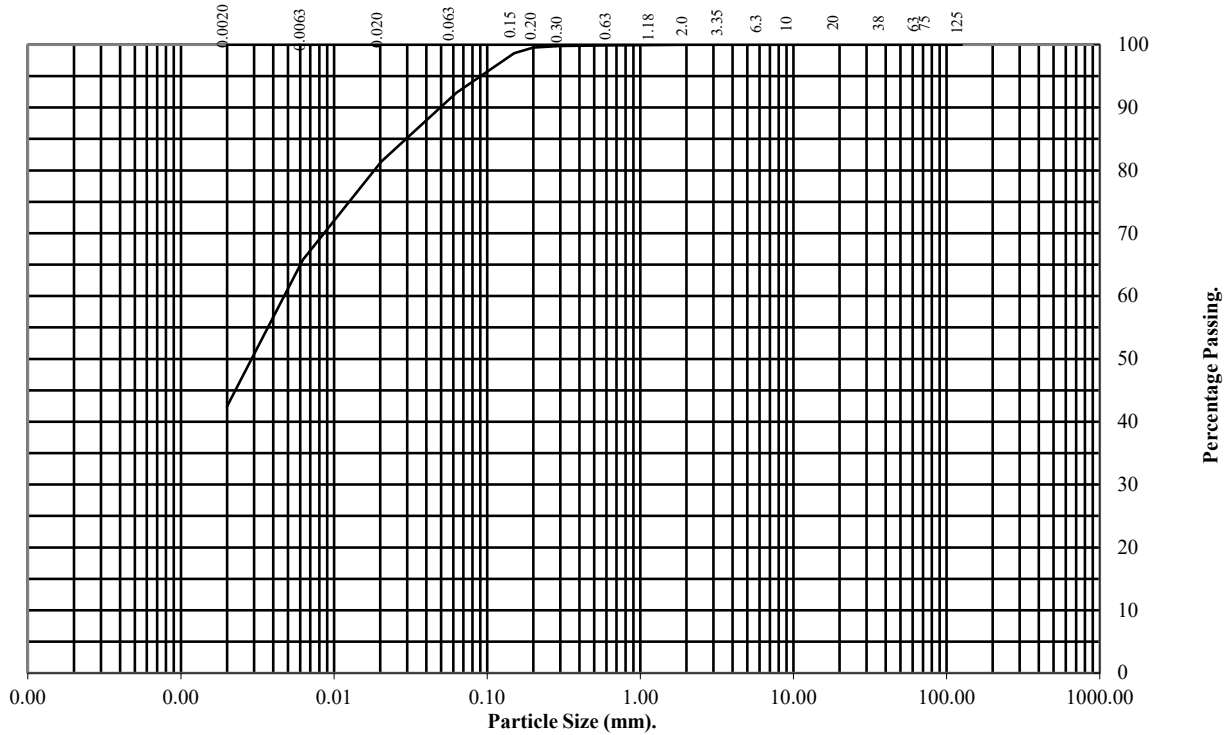
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-05** Top Depth (m): **26.00**

Sample Number: **47** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	99
0.063	92

Particle Diameter	Percentage Passing
0.020	81
0.0063	66
0.0020	42
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	8
Silt	50
Clay	42

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7025
Client Ref:
24/3980

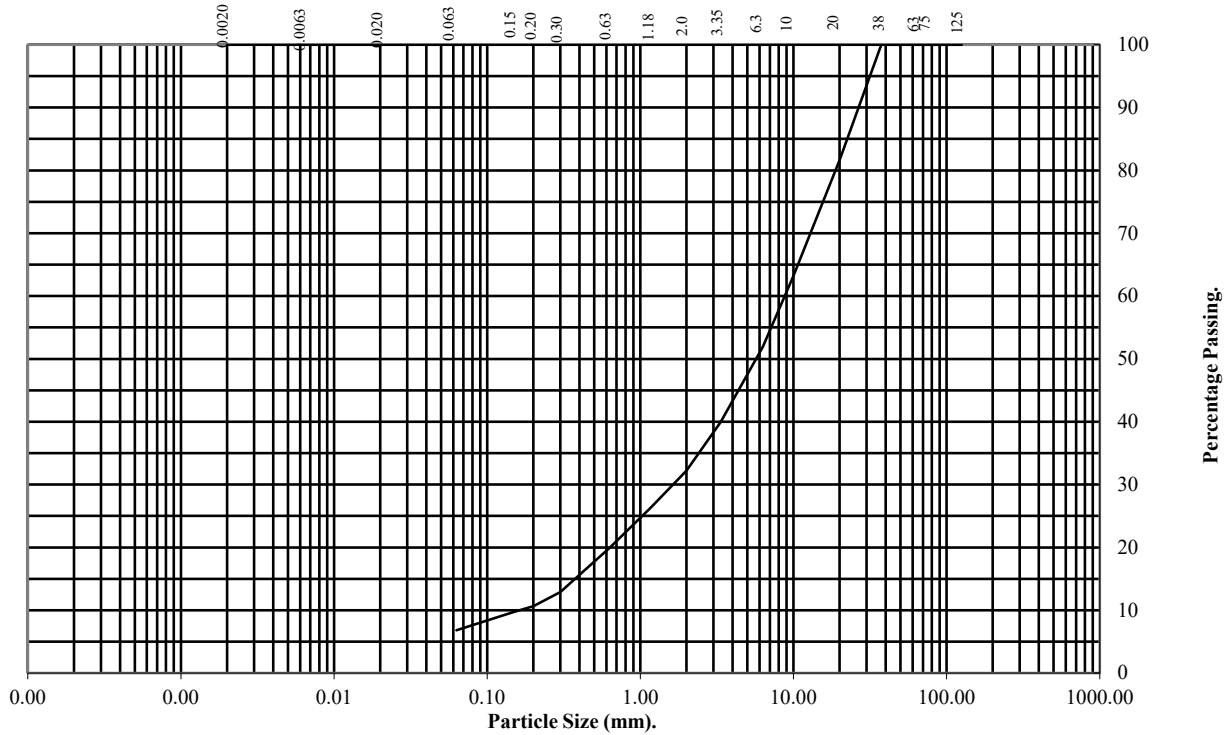
PARTICLE SIZE DISTRIBUTION TEST

BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016
Sieve Method, Clause 5.2

Hole Number: BH24-06 **Top Depth (m):** 0.50

Sample Number: 4 **Base Depth (m):** 0.80

Sample Type: LB



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	82
10	63
6.3	52
3.35	40
2	32
1.18	26
0.63	20
0.3	13
0.2	11
0.15	10
0.063	7

Soil Fraction	Total Percentage
Cobbles	0
Gravel	68
Sand	25
Silt/Clay	7

Remarks:
See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7203
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

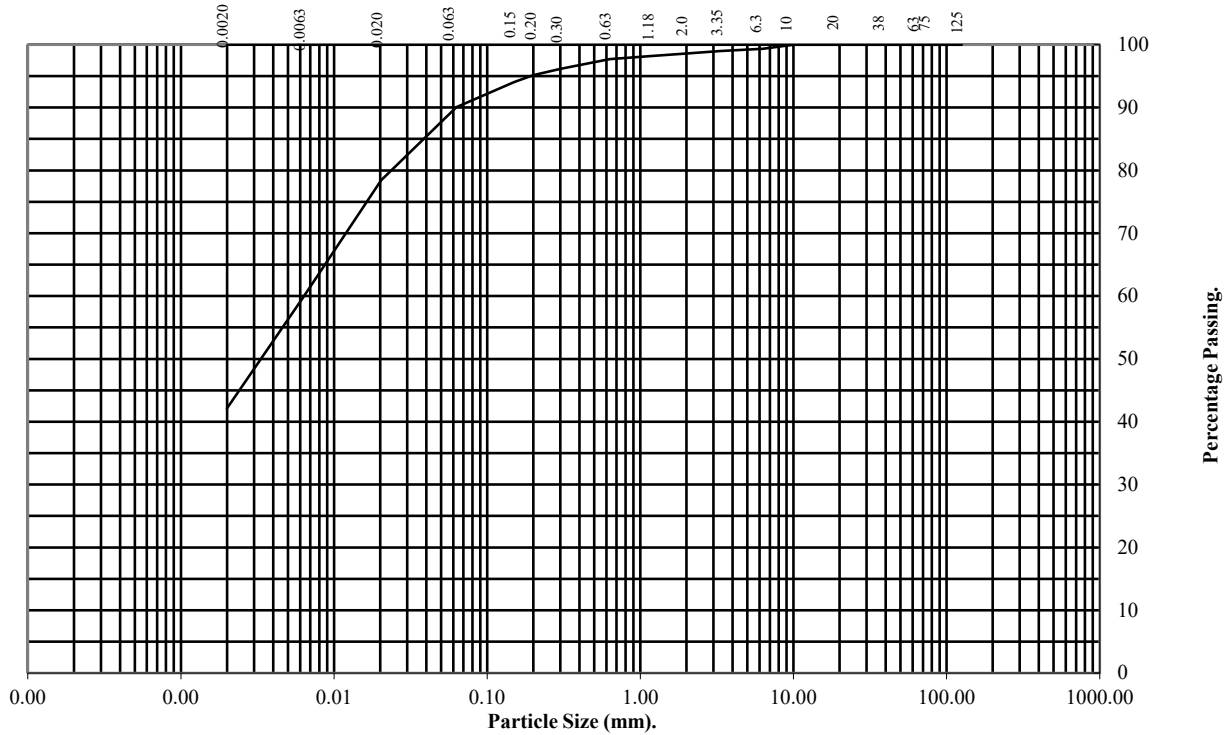
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-06** Top Depth (m): **1.00**

Sample Number: **9** Base Depth (m): **1.20**

Sample Type: **LB**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	99
3.35	99
2	99
1.18	98
0.63	98
0.3	96
0.2	95
0.15	94
0.063	90

Particle Diameter	Percentage Passing
0.020	78
0.0063	60
0.0020	42
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	1
Sand	9
Silt	48
Clay	42

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7203
Client Ref:
24/3980

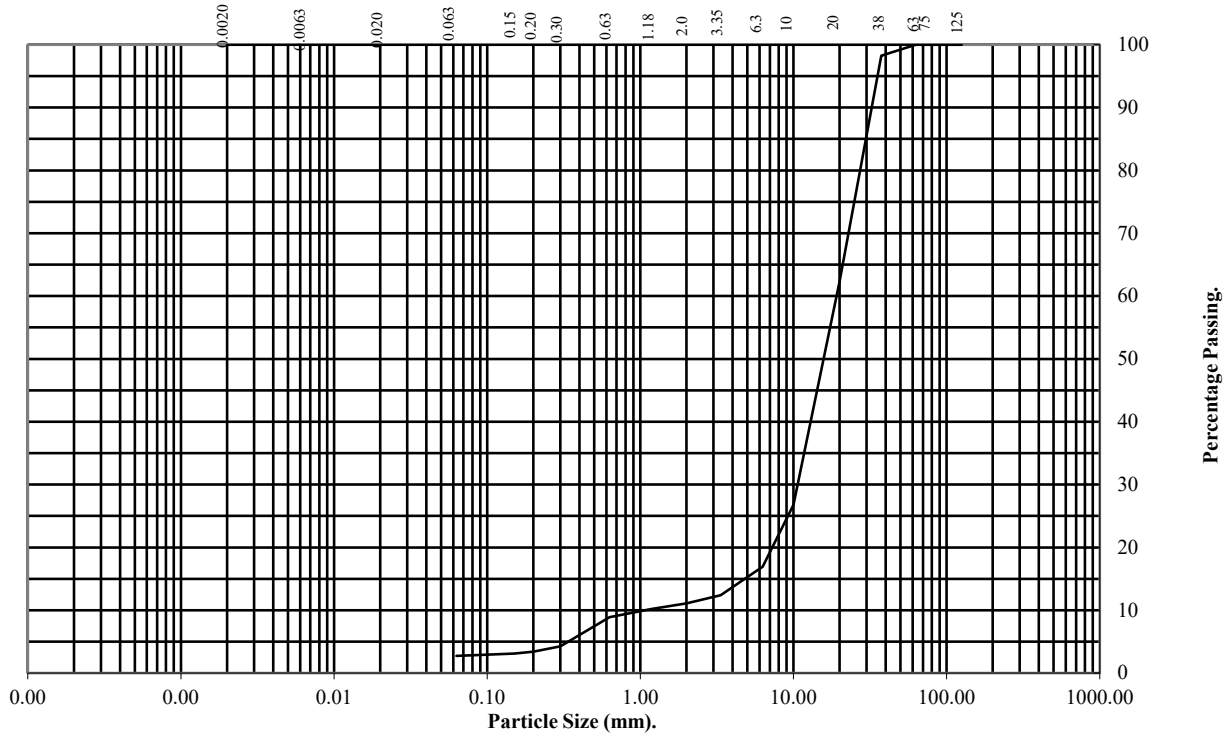
PARTICLE SIZE DISTRIBUTION TEST

BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016
Sieve Method, Clause 5.2

Hole Number: **BH24-06** Top Depth (m): **2.50**

Sample Number: **16** Base Depth (m): **3.00**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	98
20	62
10	27
6.3	17
3.35	12
2	11
1.18	10
0.63	9
0.3	4
0.2	3
0.15	3
0.063	3

Soil Fraction	Total Percentage
Cobbles	0
Gravel	89
Sand	8
Silt/Clay	3

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/6955
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

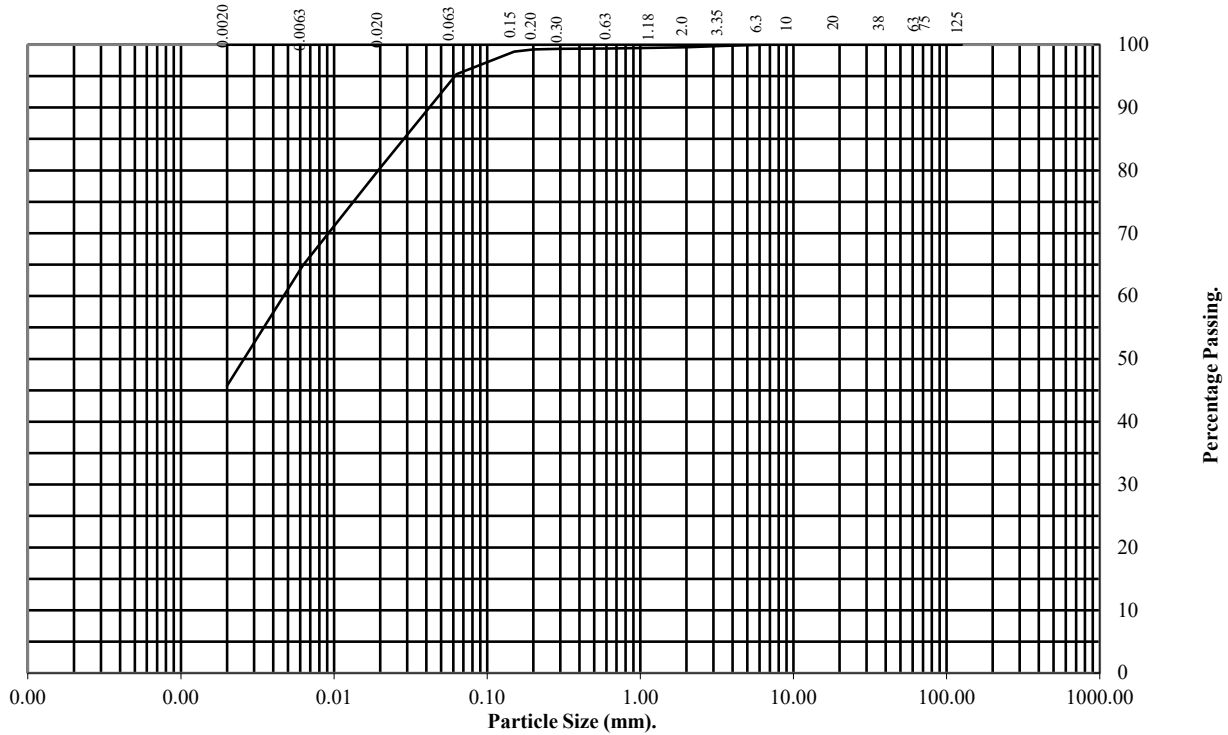
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-06** Top Depth (m): **3.50**

Sample Number: **20** Base Depth (m): **3.95**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	99
0.3	99
0.2	99
0.15	99
0.063	95

Particle Diameter	Percentage Passing
0.020	81
0.0063	65
0.0020	46
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	5
Silt	49
Clay	46

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/6955
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

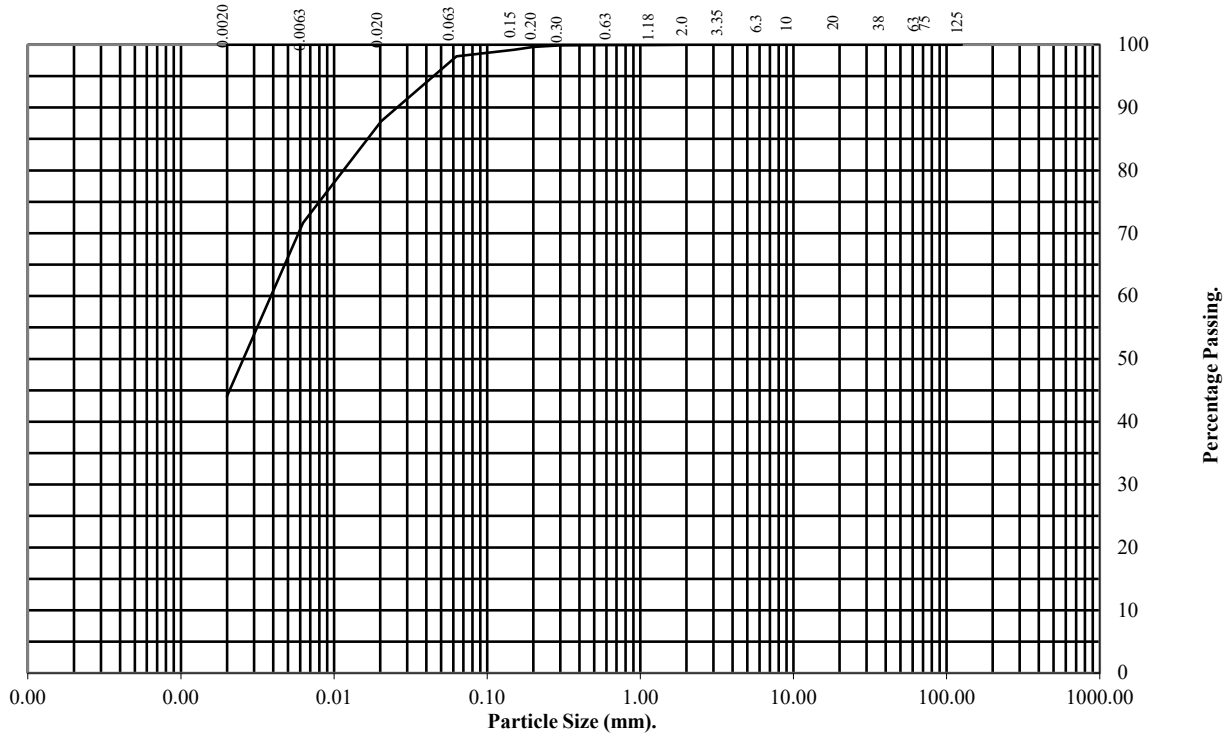
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-06** Top Depth (m): **6.00**

Sample Number: **24** Base Depth (m): **6.45**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	99
0.063	98

Particle Diameter	Percentage Passing
0.020	88
0.0063	72
0.0020	44
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	54
Clay	44

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/6955
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

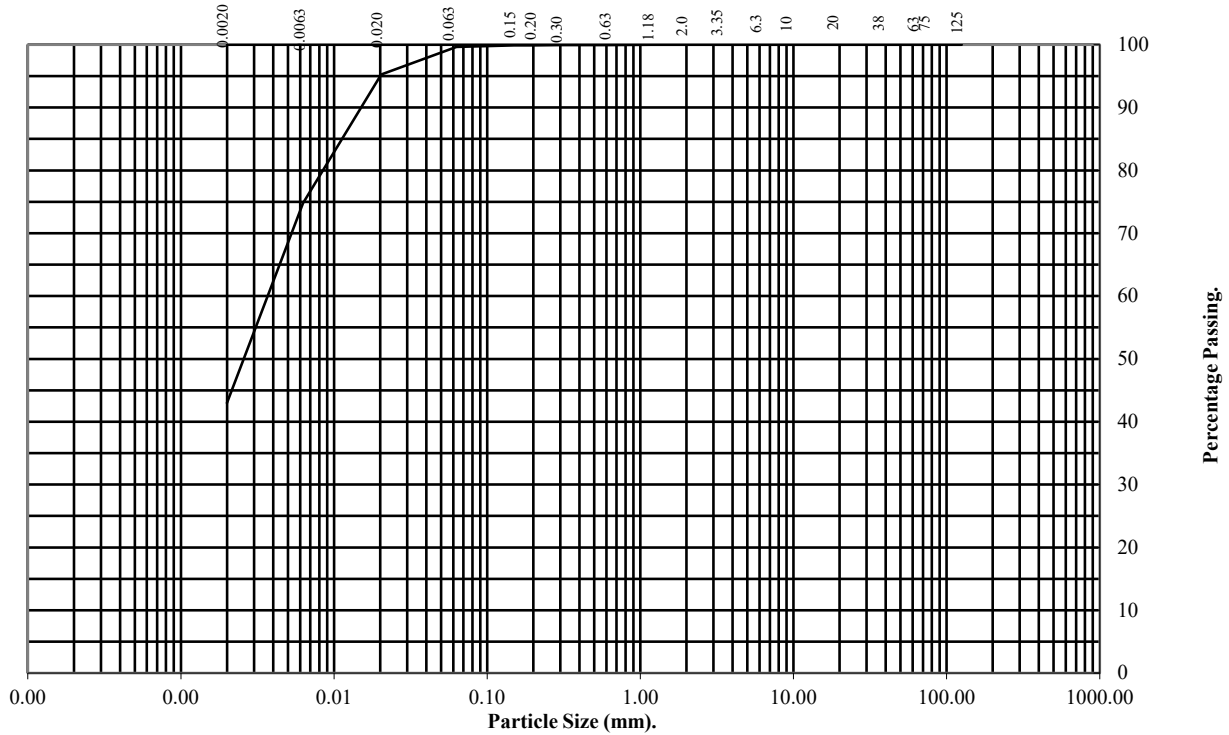
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-06** Top Depth (m): **10.00**

Sample Number: **30** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	100

Particle Diameter	Percentage Passing
0.020	95
0.0063	75
0.0020	43
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	0
Silt	57
Clay	43

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/6955
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

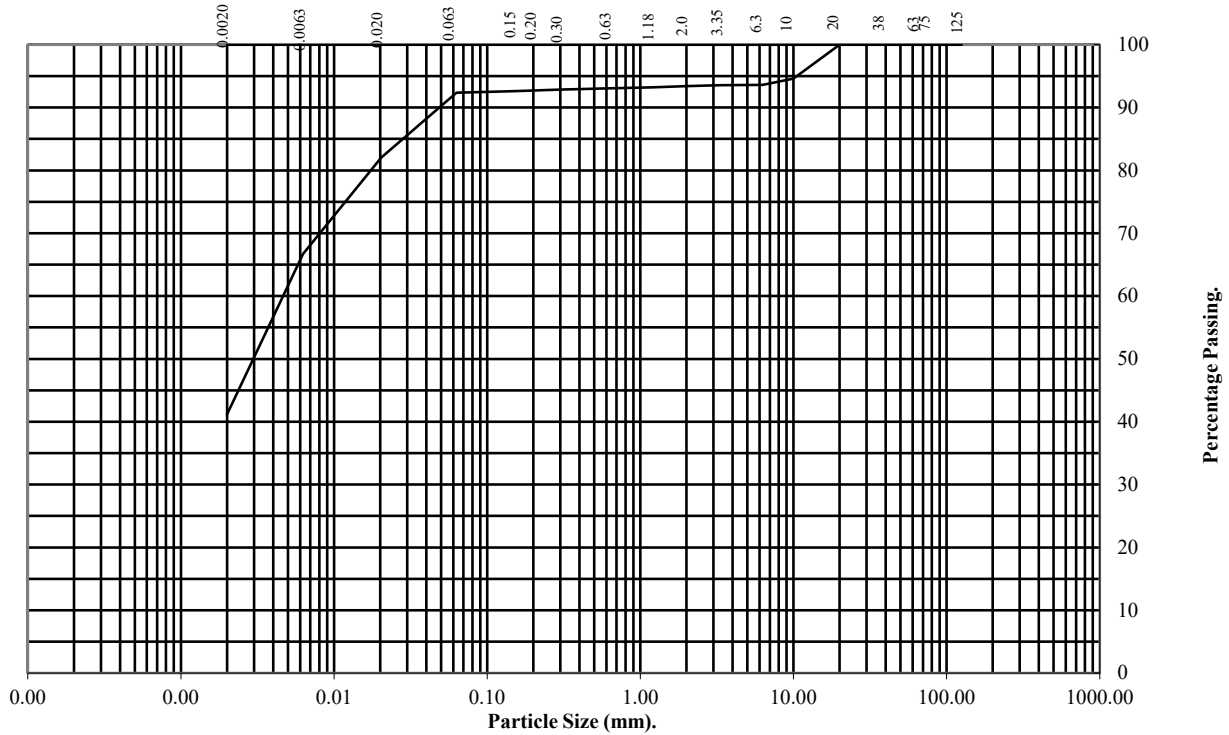
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-06** Top Depth (m): **13.50**

Sample Number: **35** Base Depth (m): **13.95**

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	95
6.3	94
3.35	94
2	93
1.18	93
0.63	93
0.3	93
0.2	93
0.15	93
0.063	92

Particle Diameter	Percentage Passing
0.020	82
0.0063	67
0.0020	41
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	7
Sand	1
Silt	51
Clay	41

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/6955
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

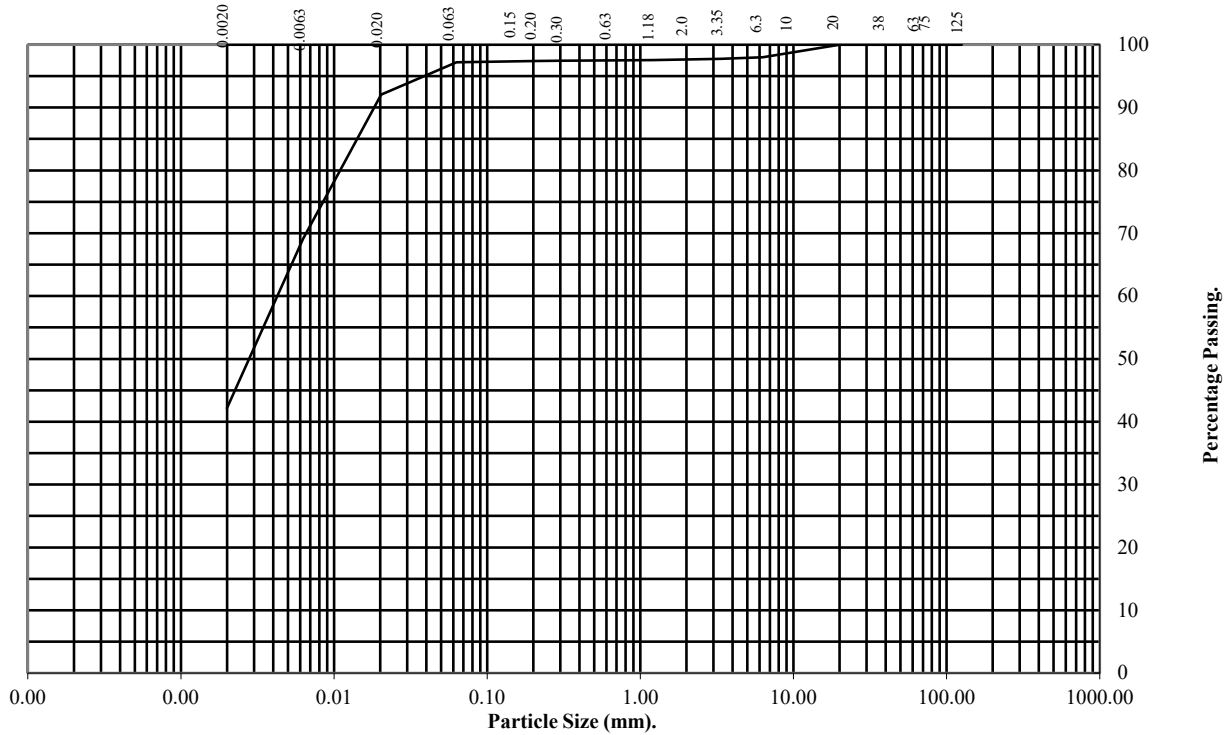
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-06 **Top Depth (m):** 15.00

Sample Number: 38 **Base Depth (m):** 15.45

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	99
6.3	98
3.35	98
2	98
1.18	98
0.63	97
0.3	97
0.2	97
0.15	97
0.063	97

Particle Diameter	Percentage Passing
0.020	92
0.0063	69
0.0020	42
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	2
Sand	1
Silt	55
Clay	42

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/6955
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

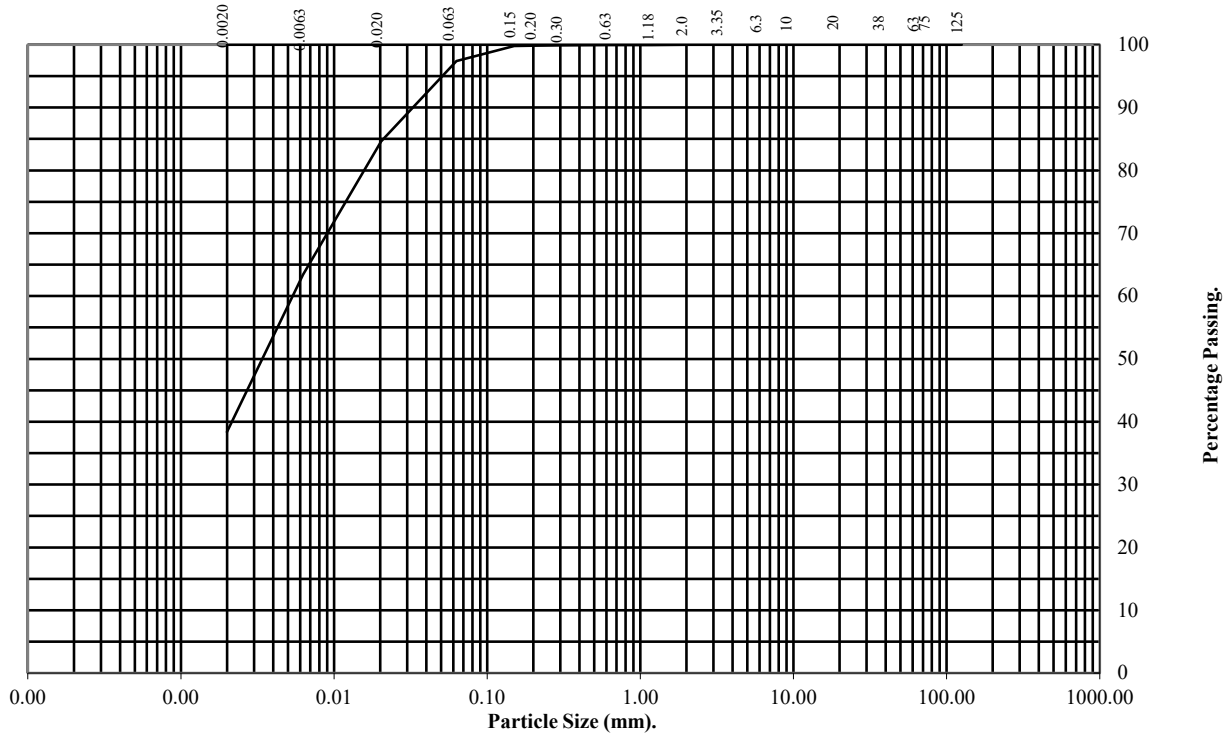
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-06 **Top Depth (m):** 19.50

Sample Number: 45 **Base Depth (m):** 19.95

Sample Type: D



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	97

Particle Diameter	Percentage Passing
0.020	85
0.0063	63
0.0020	38
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	3
Silt	59
Clay	38

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/6955
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

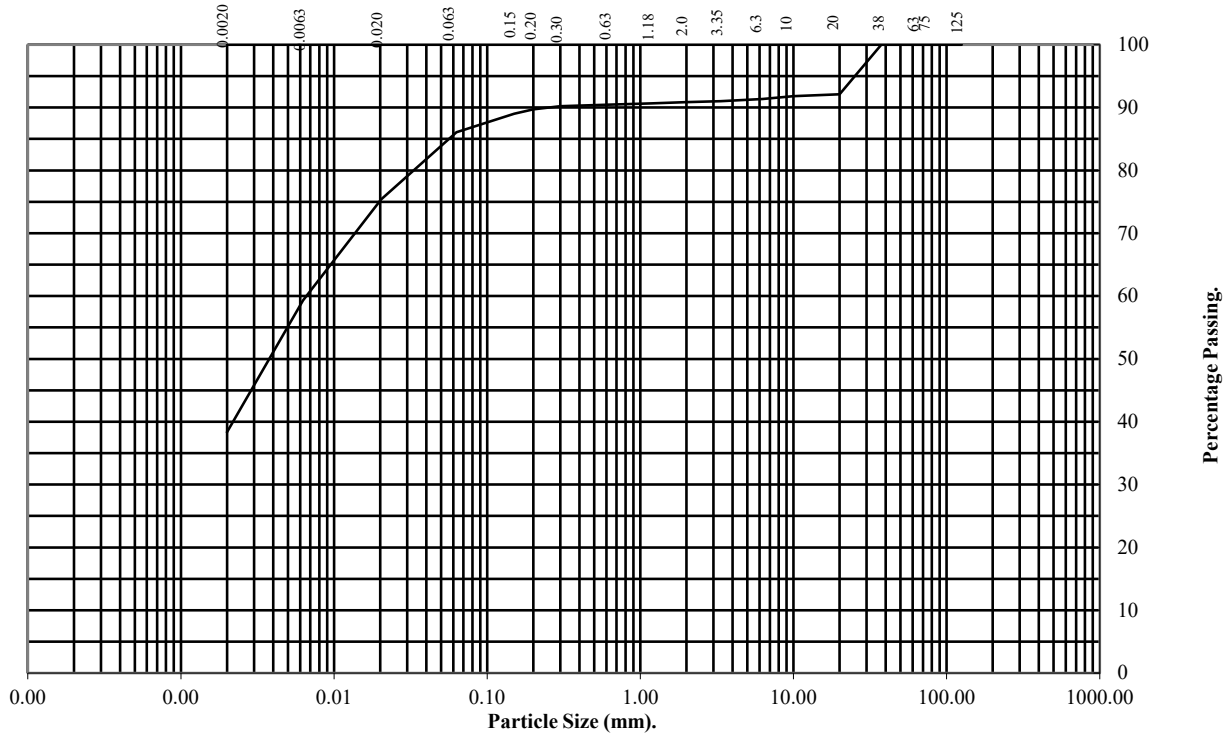
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-07 **Top Depth (m):** 4.50

Sample Number: 6 **Base Depth (m):** 4.95

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	92
10	92
6.3	91
3.35	91
2	91
1.18	91
0.63	90
0.3	90
0.2	90
0.15	89
0.063	86

Particle Diameter	Percentage Passing
0.020	75
0.0063	59
0.0020	38
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	9
Sand	5
Silt	48
Clay	38

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

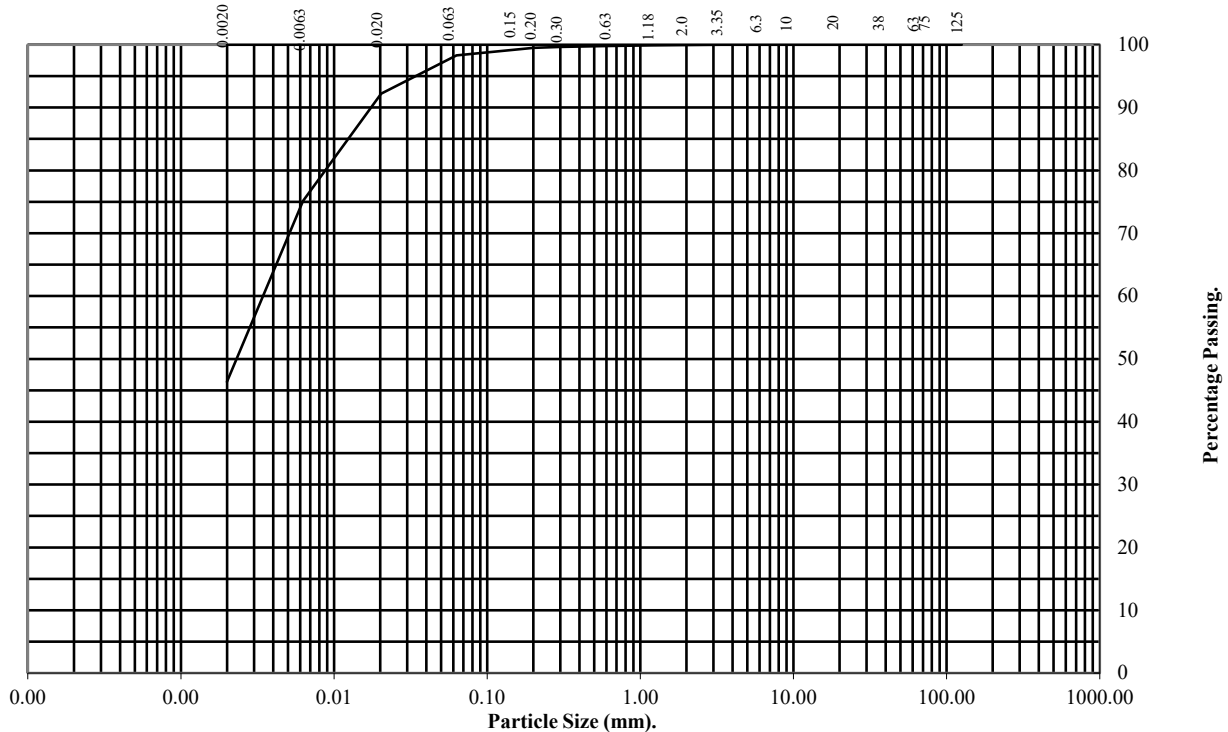
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-07** Top Depth (m): **6.50**

Sample Number: **10** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	99
0.15	99
0.063	98

Particle Diameter	Percentage Passing
0.020	92
0.0063	75
0.0020	46
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	52
Clay	46

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

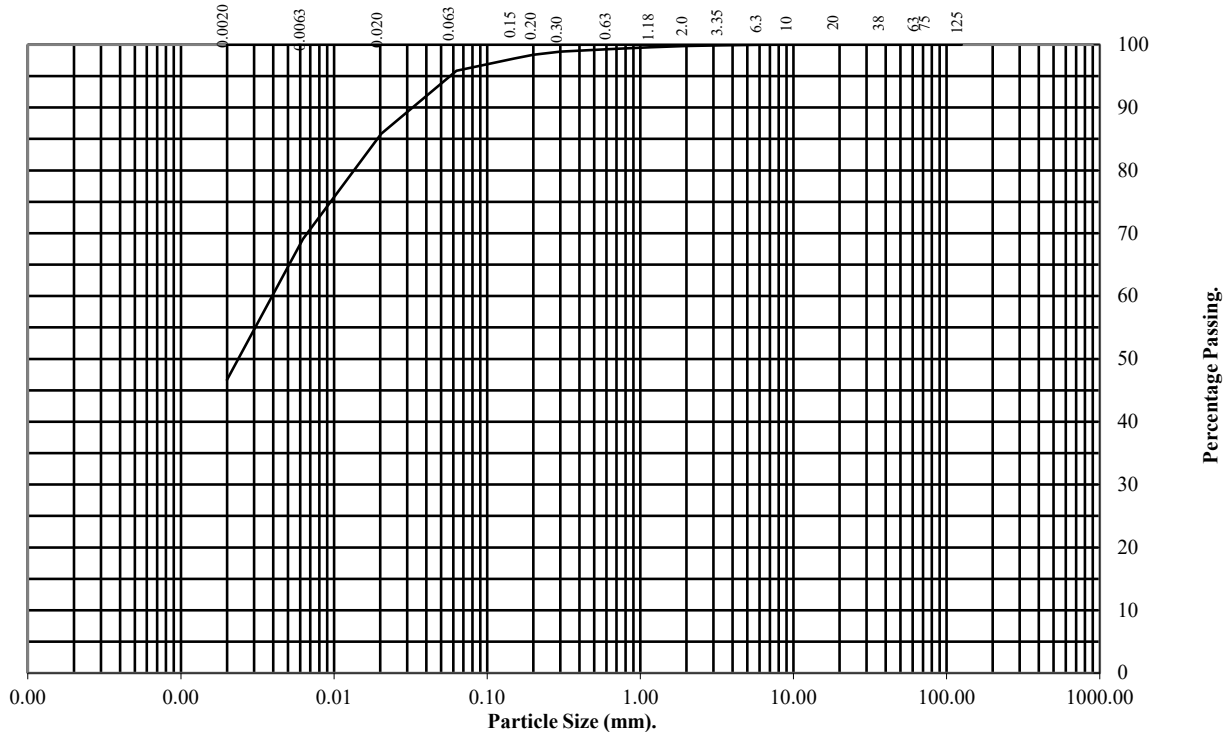
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-07 **Top Depth (m):** 7.50

Sample Number: 14 **Base Depth (m):** 7.95

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	99
0.3	99
0.2	98
0.15	98
0.063	96

Particle Diameter	Percentage Passing
0.020	86
0.0063	69
0.0020	47
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	4
Silt	49
Clay	47

Remarks:
See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

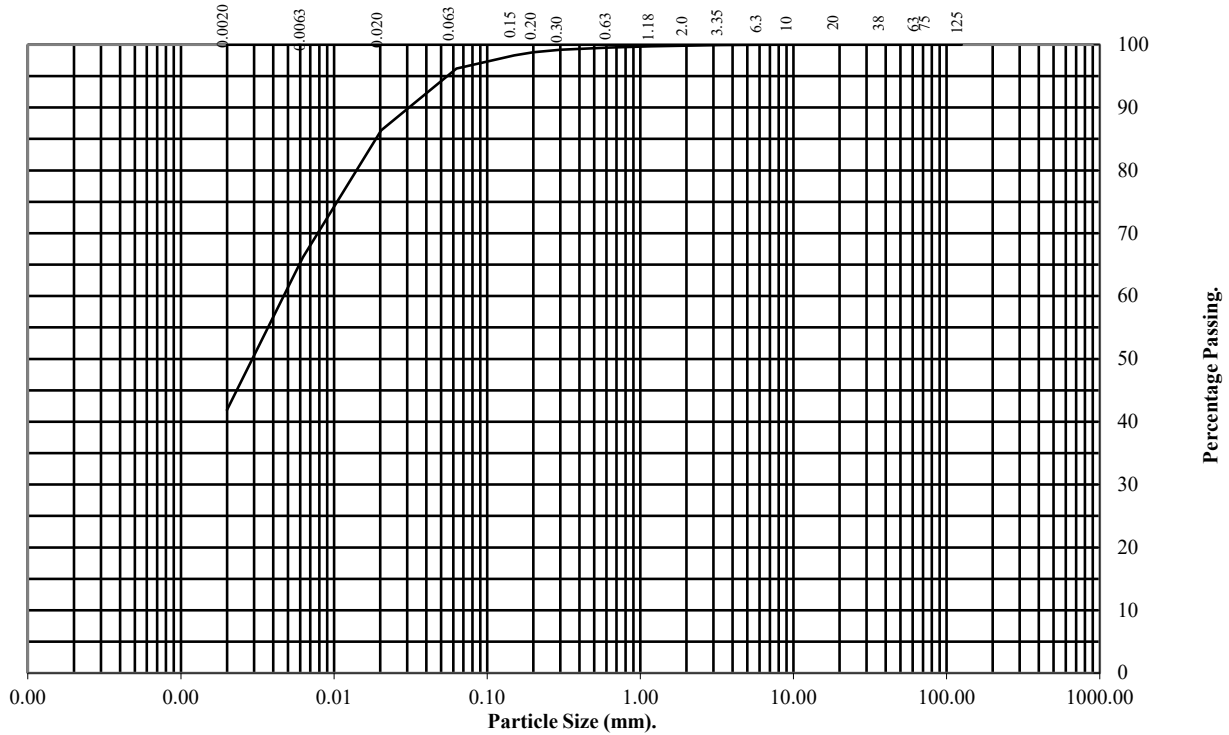
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-07** Top Depth (m): **8.00**

Sample Number: **16** Base Depth (m): **8.45**

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	99
0.2	99
0.15	98
0.063	96

Particle Diameter	Percentage Passing
0.020	86
0.0063	66
0.0020	42
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	4
Silt	54
Clay	42

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

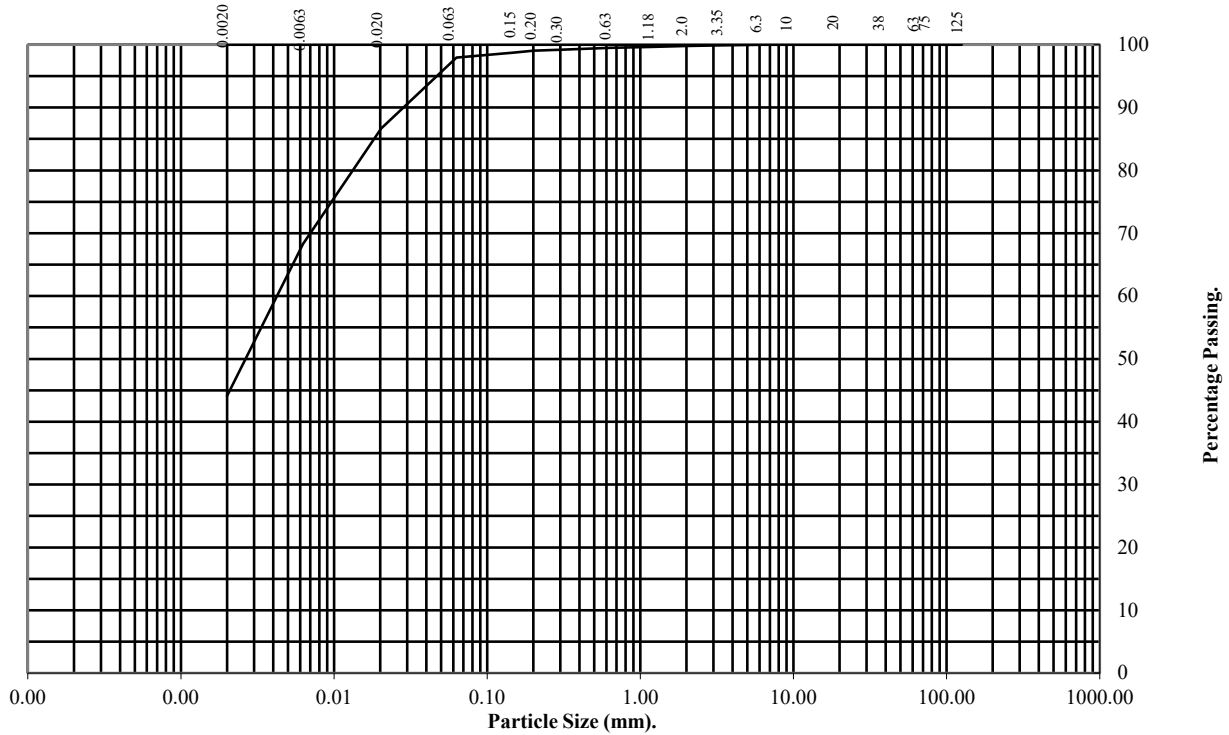
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-07 **Top Depth (m):** 9.00

Sample Number: 18 **Base Depth (m):** 9.45

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	99
0.3	99
0.2	99
0.15	99
0.063	98

Particle Diameter	Percentage Passing
0.020	87
0.0063	68
0.0020	44
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	54
Clay	44

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

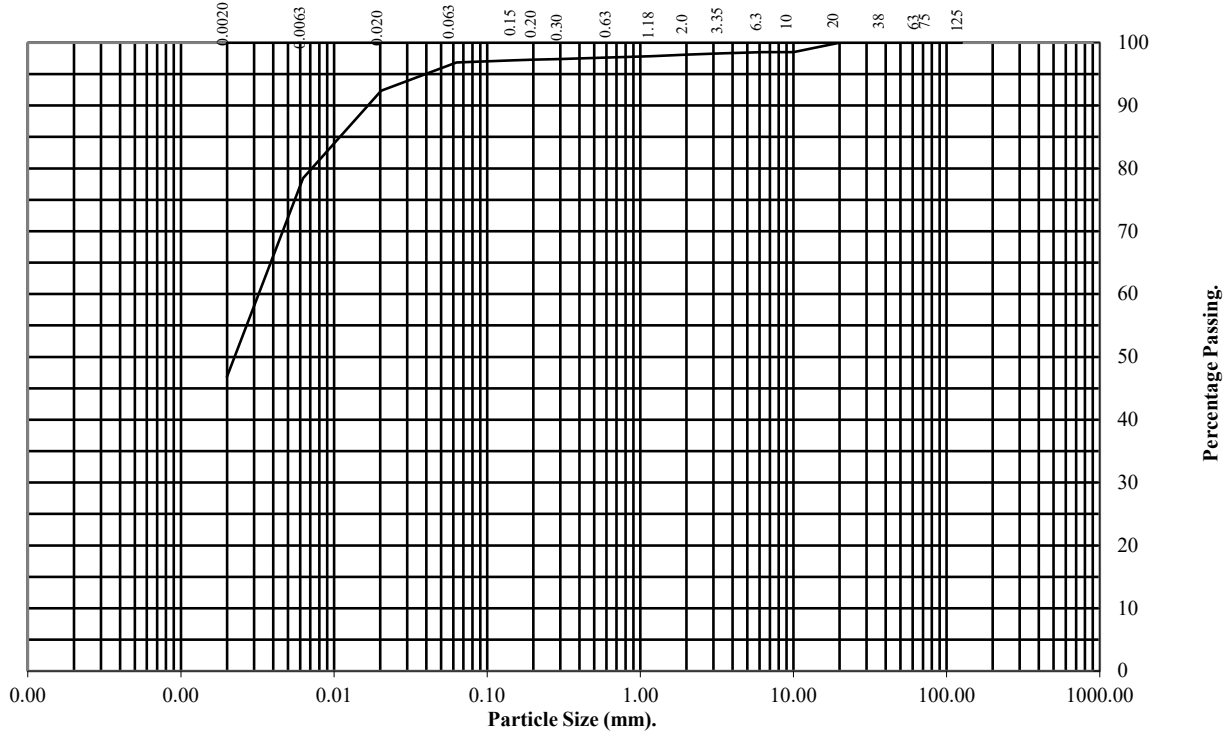
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-07 **Top Depth (m):** 11.00

Sample Number: 22 **Base Depth (m):**

Sample Type: D



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	99
6.3	99
3.35	98
2	98
1.18	98
0.63	98
0.3	97
0.2	97
0.15	97
0.063	97

Particle Diameter	Percentage Passing
0.020	92
0.0063	78
0.0020	47
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	2
Sand	1
Silt	50
Clay	47

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

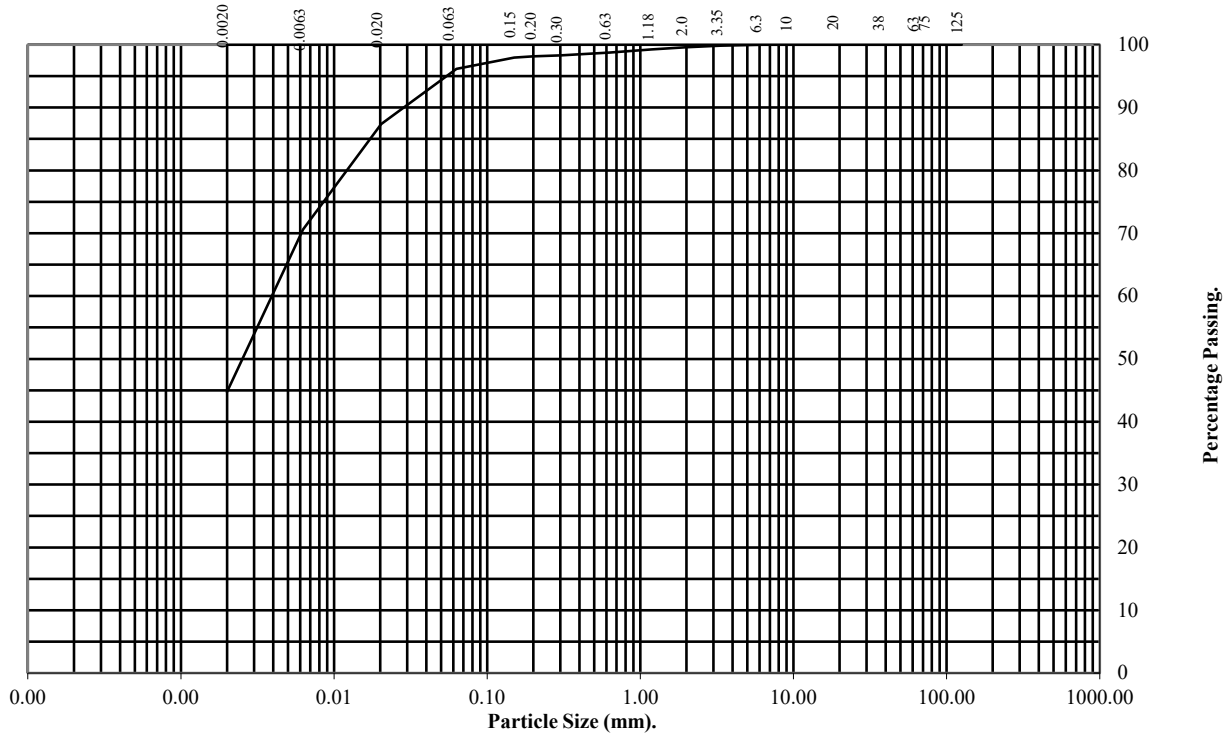
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-07** Top Depth (m): **12.50**

Sample Number: **26** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	99
0.63	99
0.3	98
0.2	98
0.15	98
0.063	96

Particle Diameter	Percentage Passing
0.020	87
0.0063	71
0.0020	45
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	4
Silt	51
Clay	45

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

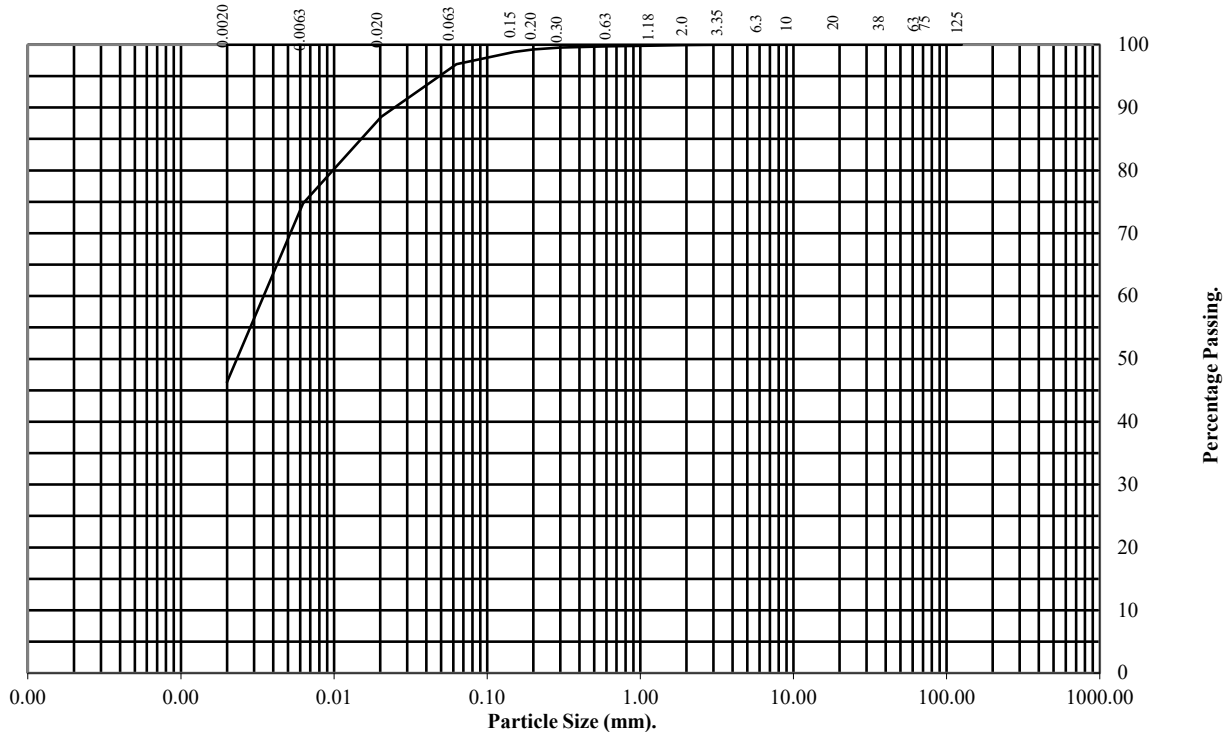
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-07** Top Depth (m): **15.50**

Sample Number: **31** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	99
0.15	99
0.063	97

Particle Diameter	Percentage Passing
0.020	89
0.0063	75
0.0020	46
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	3
Silt	51
Clay	46

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

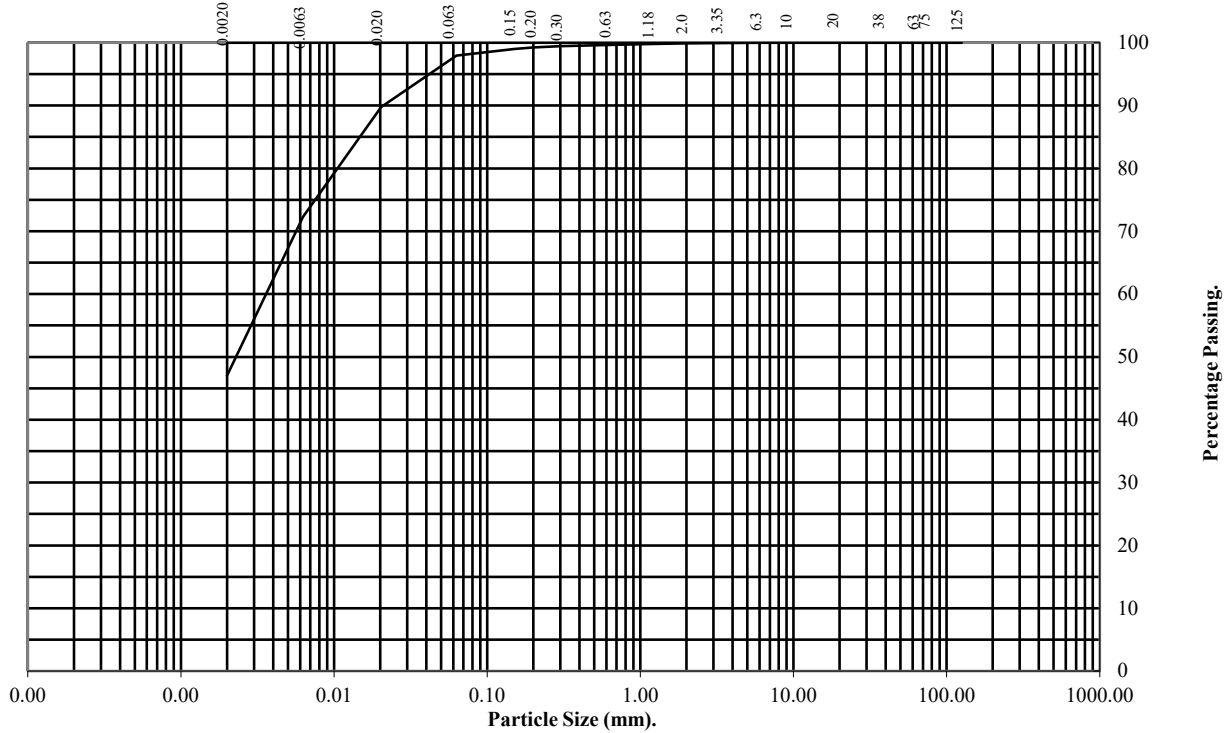
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-07 **Top Depth (m):** 16.20

Sample Number: 33 **Base Depth (m):**

Sample Type: D



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	99
0.2	99
0.15	99
0.063	98

Particle Diameter	Percentage Passing
0.020	90
0.0063	72
0.0020	47
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	51
Clay	47

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

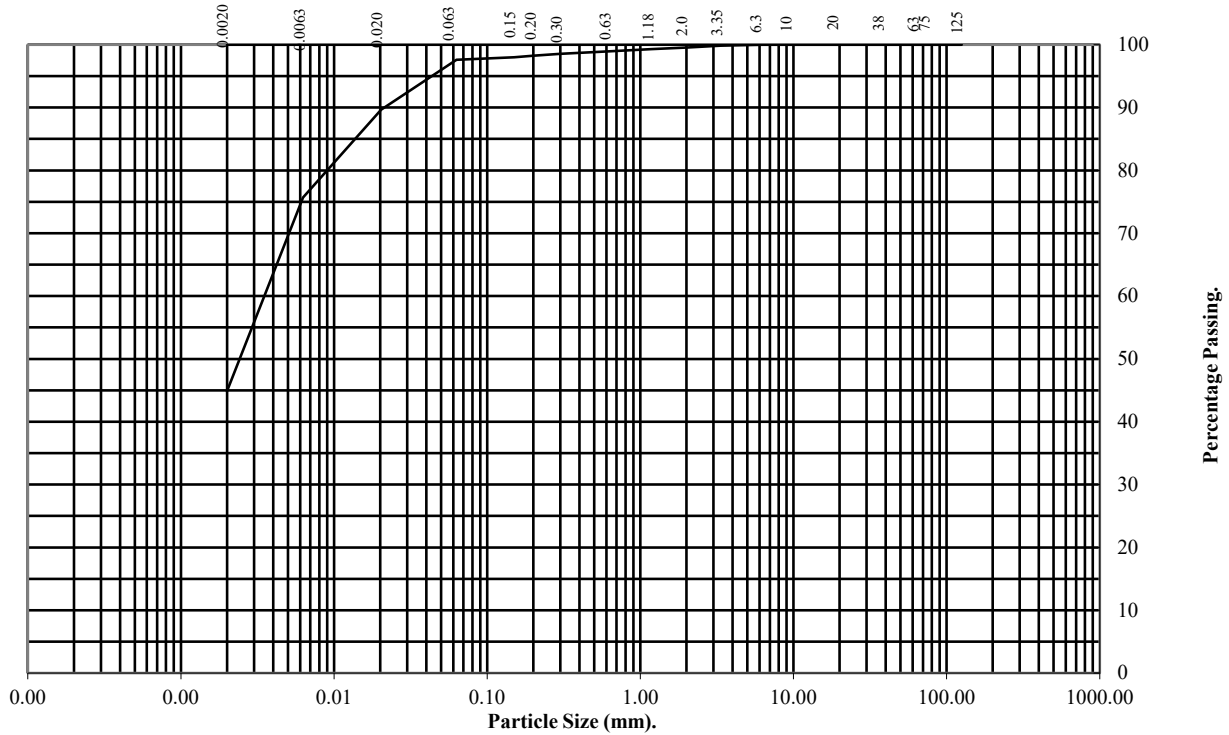
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-07** Top Depth (m): **18.00**

Sample Number: **38** Base Depth (m): **18.45**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	99
0.63	99
0.3	99
0.2	98
0.15	98
0.063	98

Particle Diameter	Percentage Passing
0.020	90
0.0063	76
0.0020	45
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	53
Clay	45

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

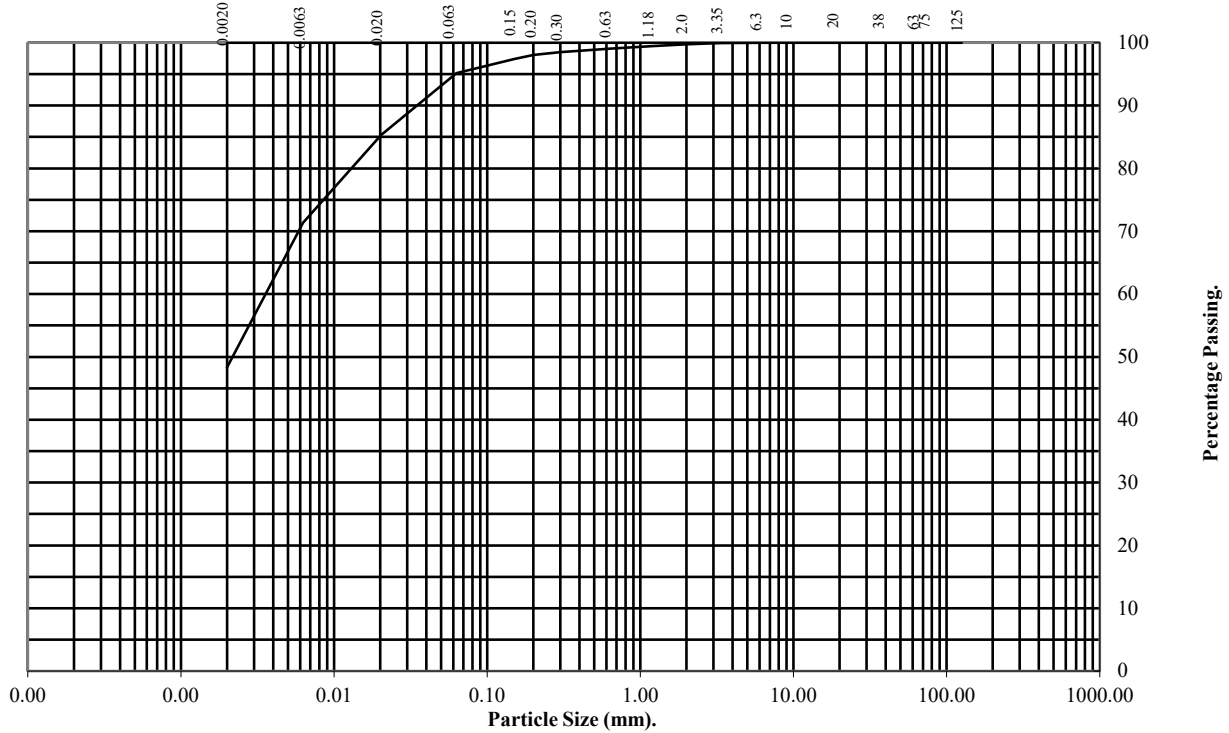
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-07** **Top Depth (m):** **19.20**

Sample Number: **41** **Base Depth (m):**

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	99
0.63	99
0.3	98
0.2	98
0.15	97
0.063	95

Particle Diameter	Percentage Passing
0.020	85
0.0063	71
0.0020	48
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	5
Silt	47
Clay	48

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

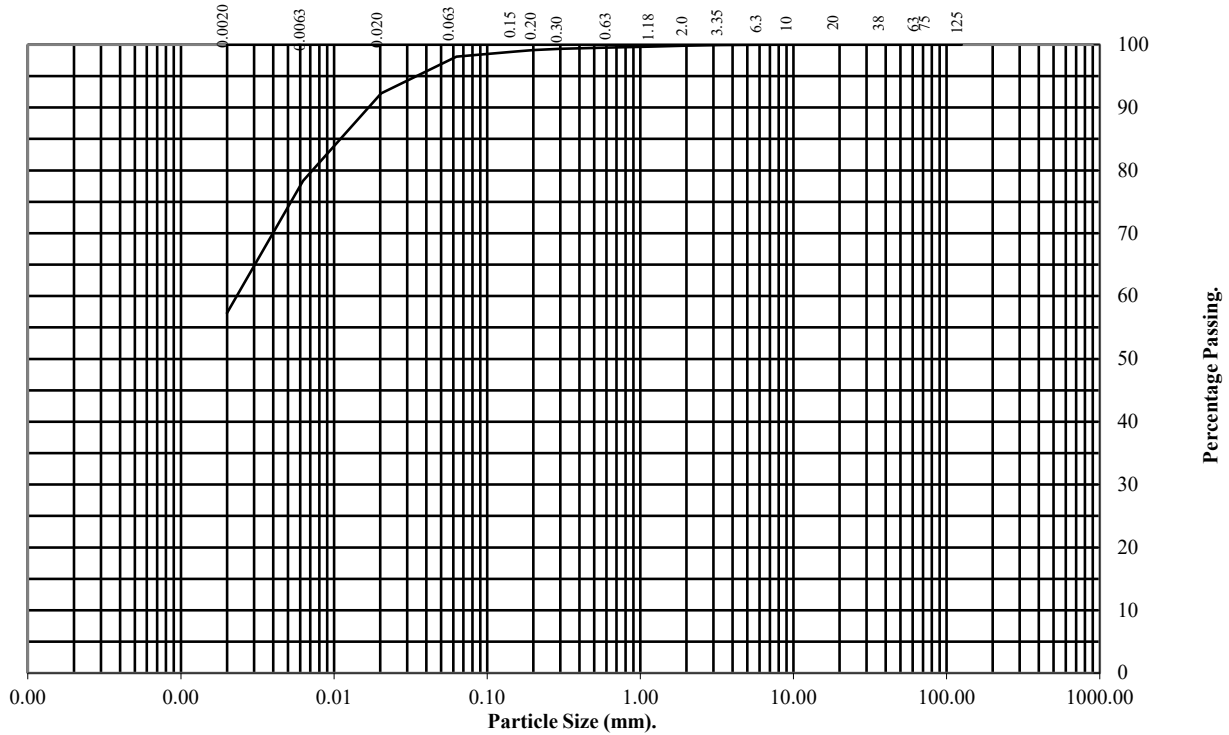
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-07 **Top Depth (m):** 21.00

Sample Number: 46 **Base Depth (m):** 21.45

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	99
0.2	99
0.15	99
0.063	98

Particle Diameter	Percentage Passing
0.020	92
0.0063	78
0.0020	57
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	41
Clay	57

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

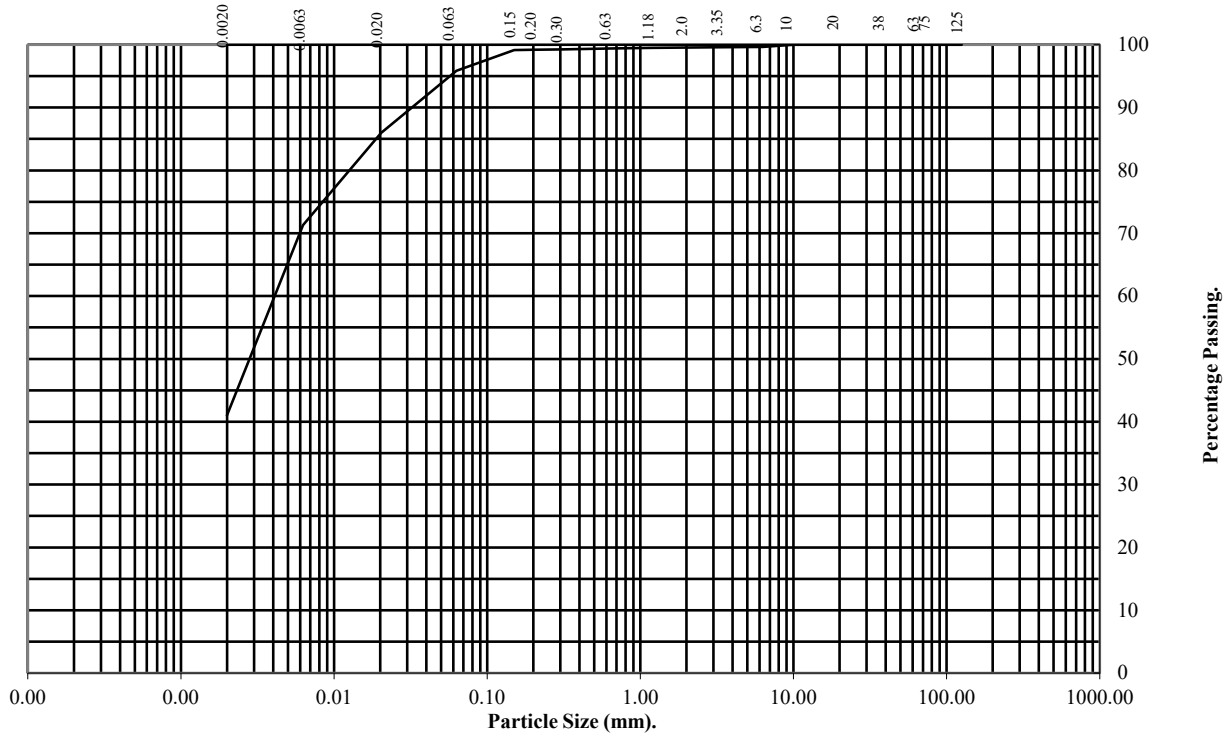
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-07** Top Depth (m): **22.20**

Sample Number: **49** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	99
0.63	99
0.3	99
0.2	99
0.15	99
0.063	96

Particle Diameter	Percentage Passing
0.020	86
0.0063	71
0.0020	41
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	4
Silt	55
Clay	41

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

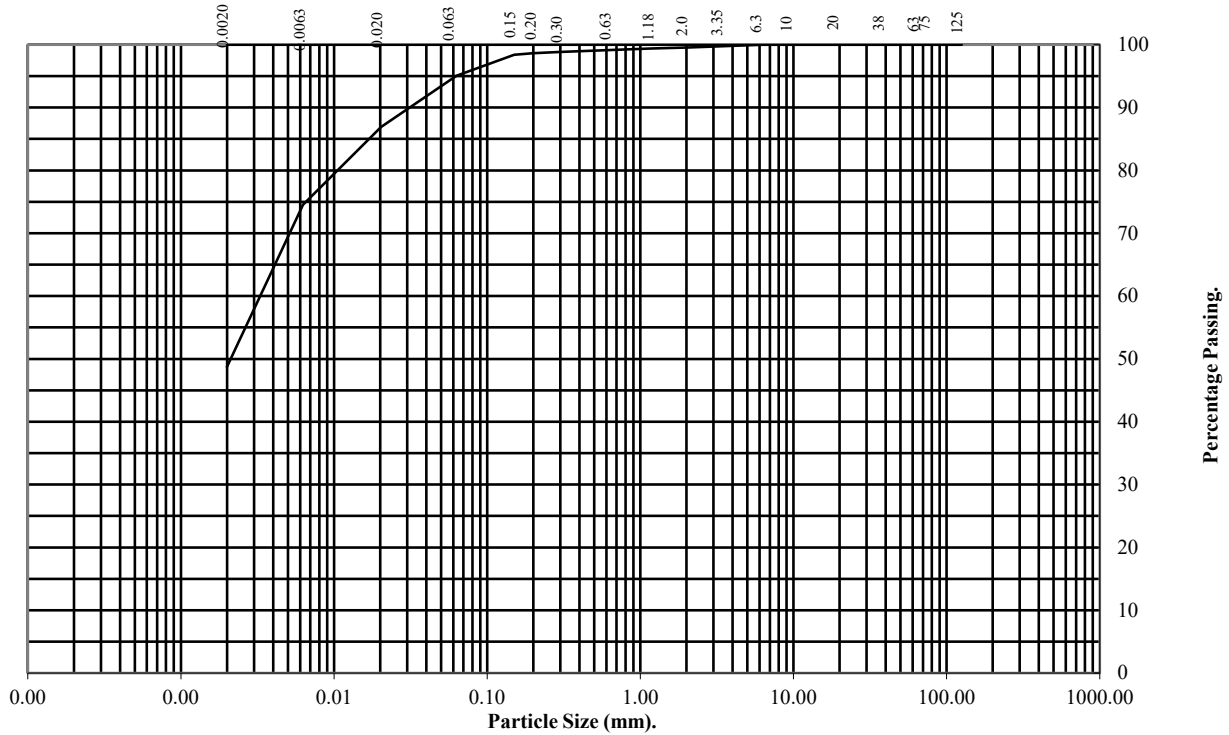
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-07** Top Depth (m): **23.00**

Sample Number: **51** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	99
0.63	99
0.3	99
0.2	99
0.15	98
0.063	95

Particle Diameter	Percentage Passing
0.020	87
0.0063	75
0.0020	49
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	5
Silt	46
Clay	49

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

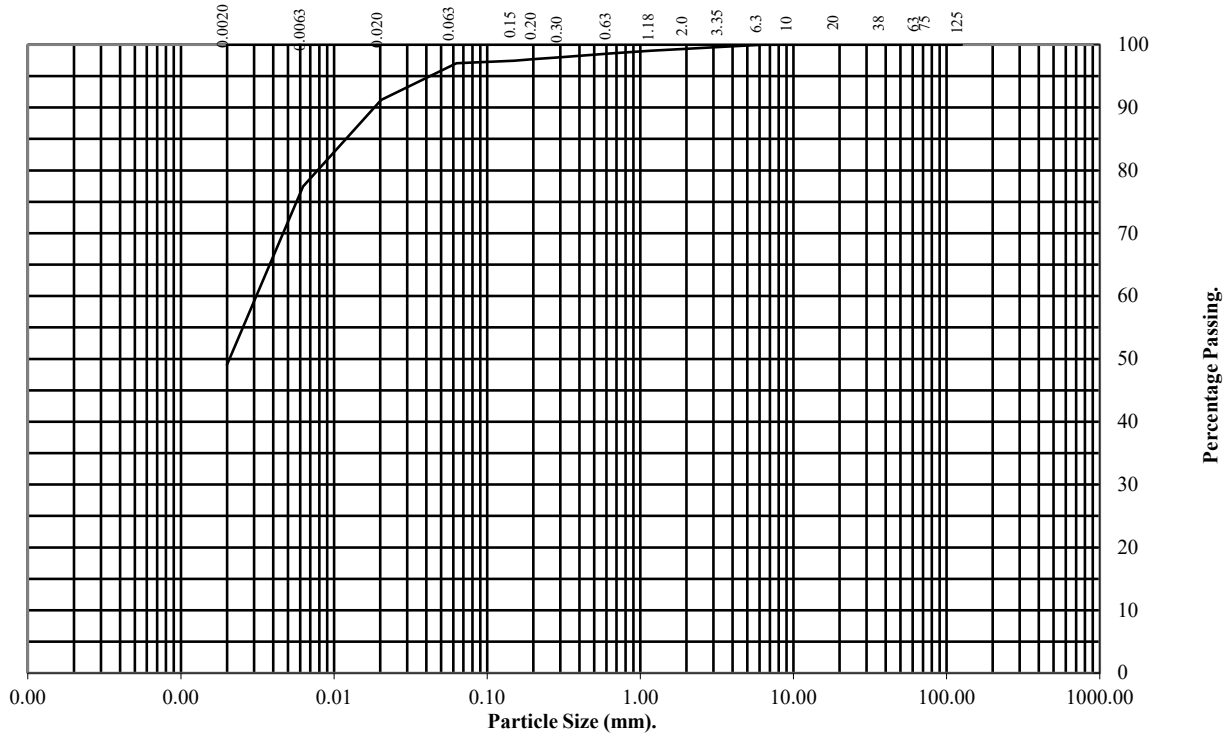
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-07 **Top Depth (m):** 24.00

Sample Number: 54 **Base Depth (m):** 24.45

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	99
1.18	99
0.63	99
0.3	98
0.2	98
0.15	97
0.063	97

Particle Diameter	Percentage Passing
0.020	91
0.0063	77
0.0020	49
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	1
Sand	2
Silt	48
Clay	49

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

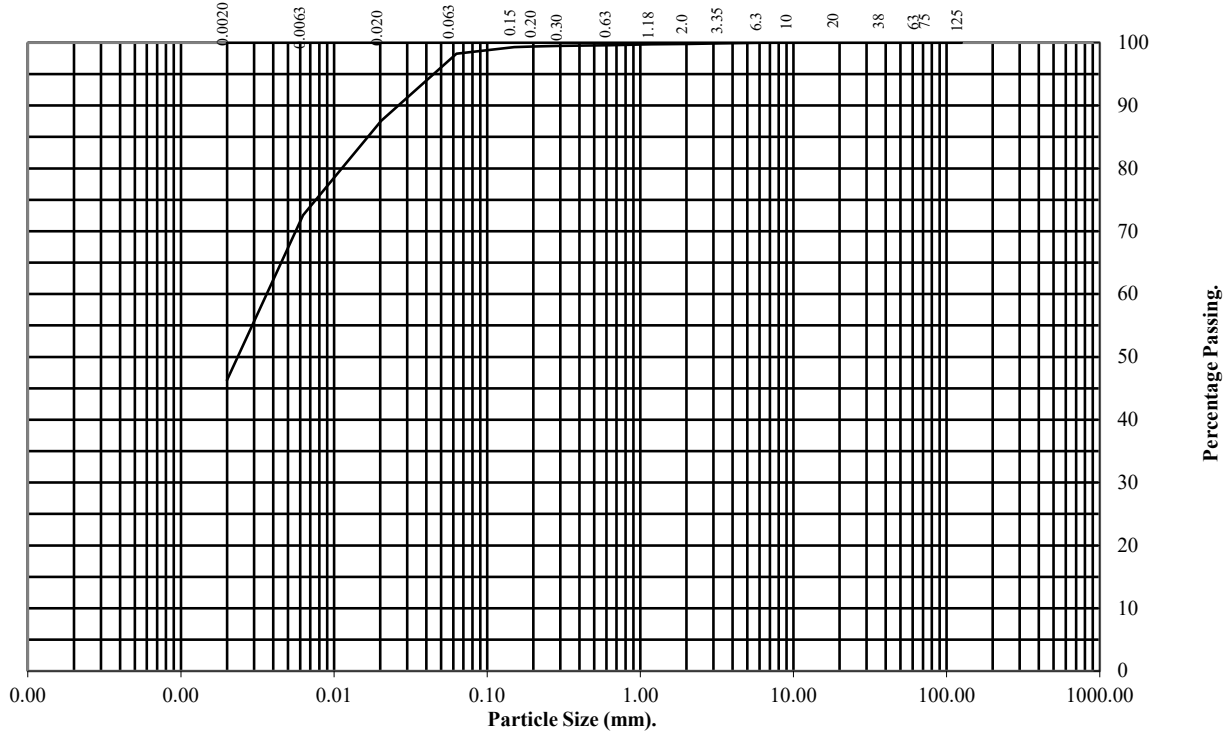
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-07 **Top Depth (m):** 24.50

Sample Number: 56 **Base Depth (m):** 24.95

Sample Type: D



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	99
0.2	99
0.15	99
0.063	98

Particle Diameter	Percentage Passing
0.020	88
0.0063	73
0.0020	46
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	52
Clay	46

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

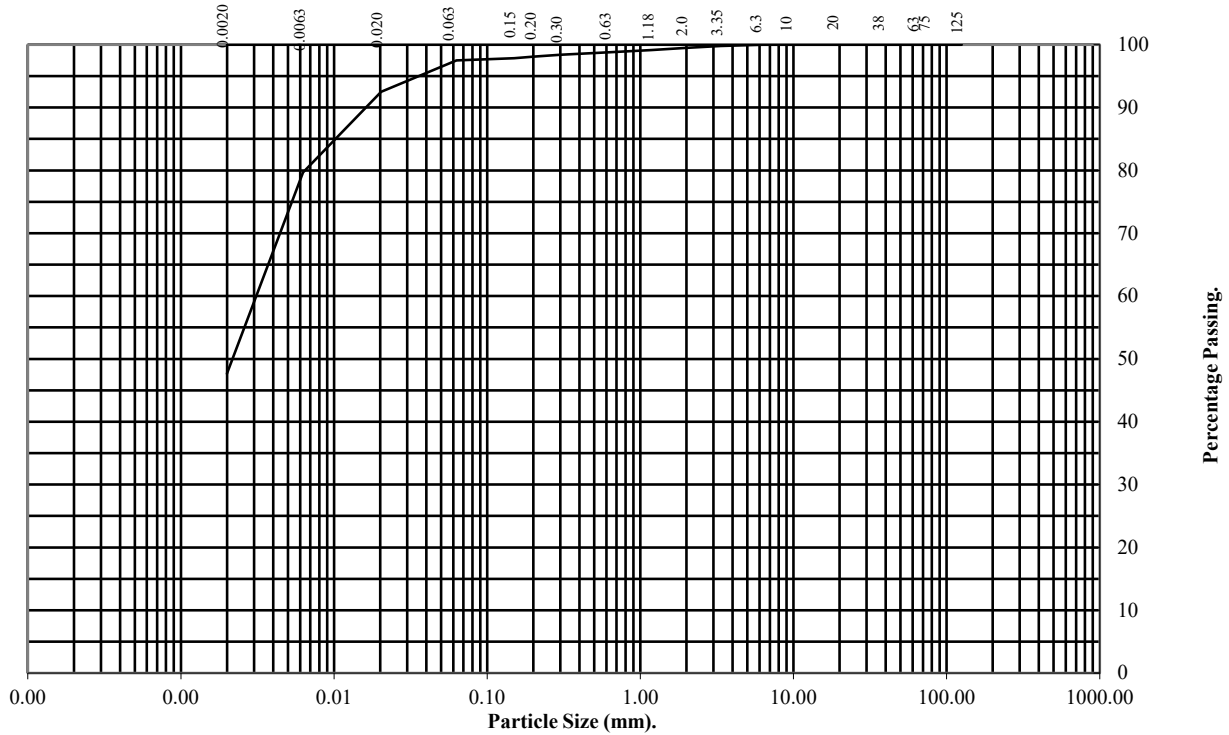
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-07 **Top Depth (m):** 25.50

Sample Number: 58 **Base Depth (m):** 25.95

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	99
1.18	99
0.63	99
0.3	98
0.2	98
0.15	98
0.063	97

Particle Diameter	Percentage Passing
0.020	93
0.0063	80
0.0020	48
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	1
Sand	2
Silt	49
Clay	48

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

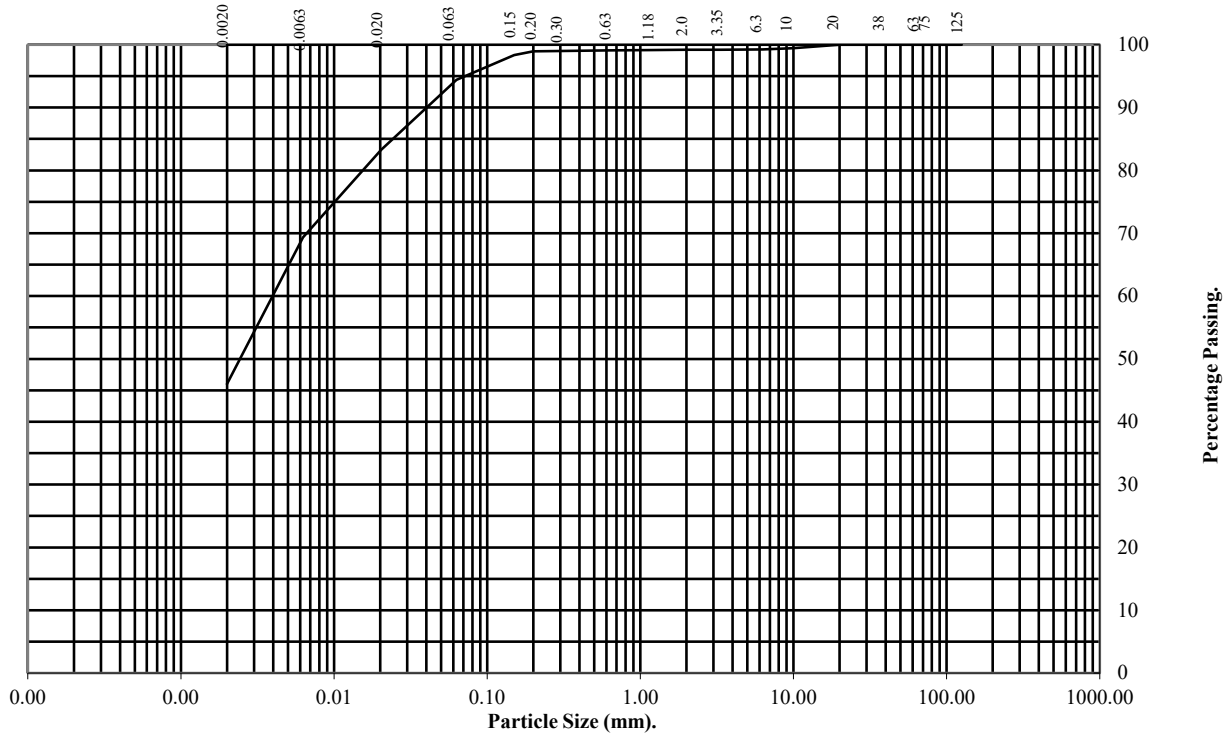
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-07 **Top Depth (m):** 26.00

Sample Number: 60 **Base Depth (m):** 26.45

Sample Type: D



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	99
6.3	99
3.35	99
2	99
1.18	99
0.63	99
0.3	99
0.2	99
0.15	98
0.063	94

Particle Diameter	Percentage Passing
0.020	83
0.0063	69
0.0020	46
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	1
Sand	5
Silt	48
Clay	46

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

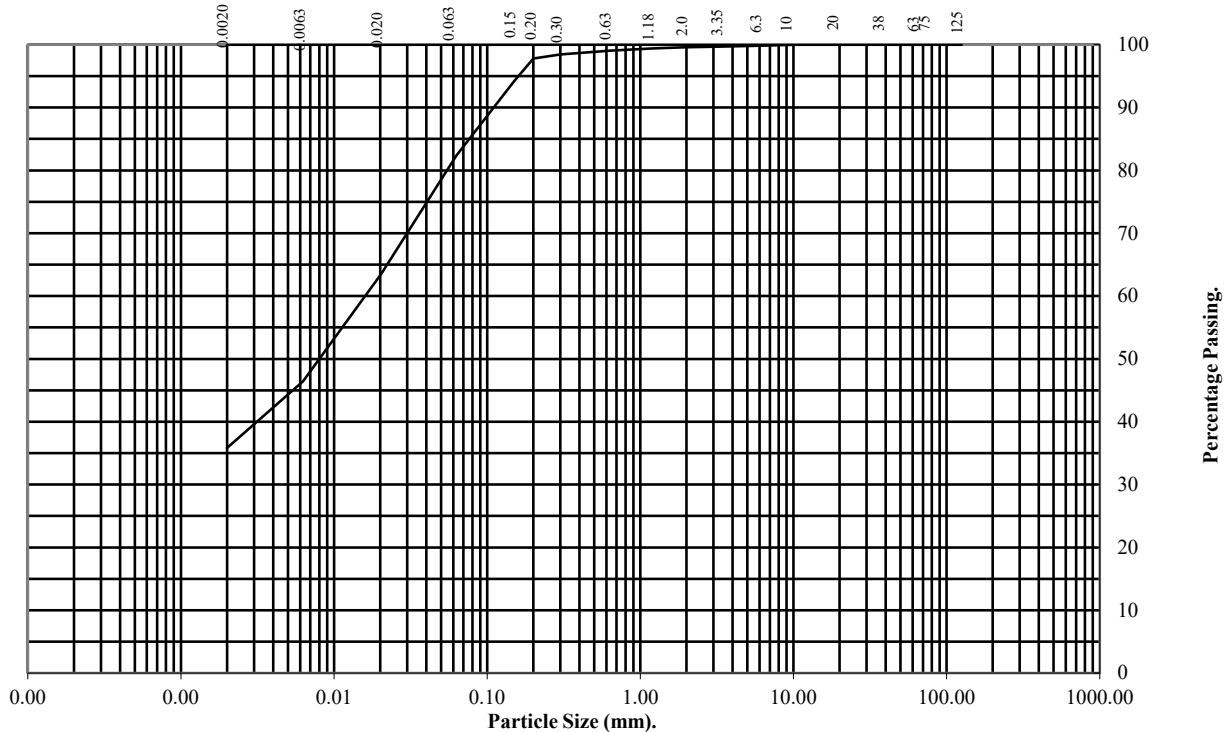
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-07** Top Depth (m): **27.00**

Sample Number: **62** Base Depth (m): **27.45**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	99
0.63	99
0.3	98
0.2	98
0.15	94
0.063	82

Particle Diameter	Percentage Passing
0.020	63
0.0063	46
0.0020	36
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	18
Silt	46
Clay	36

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

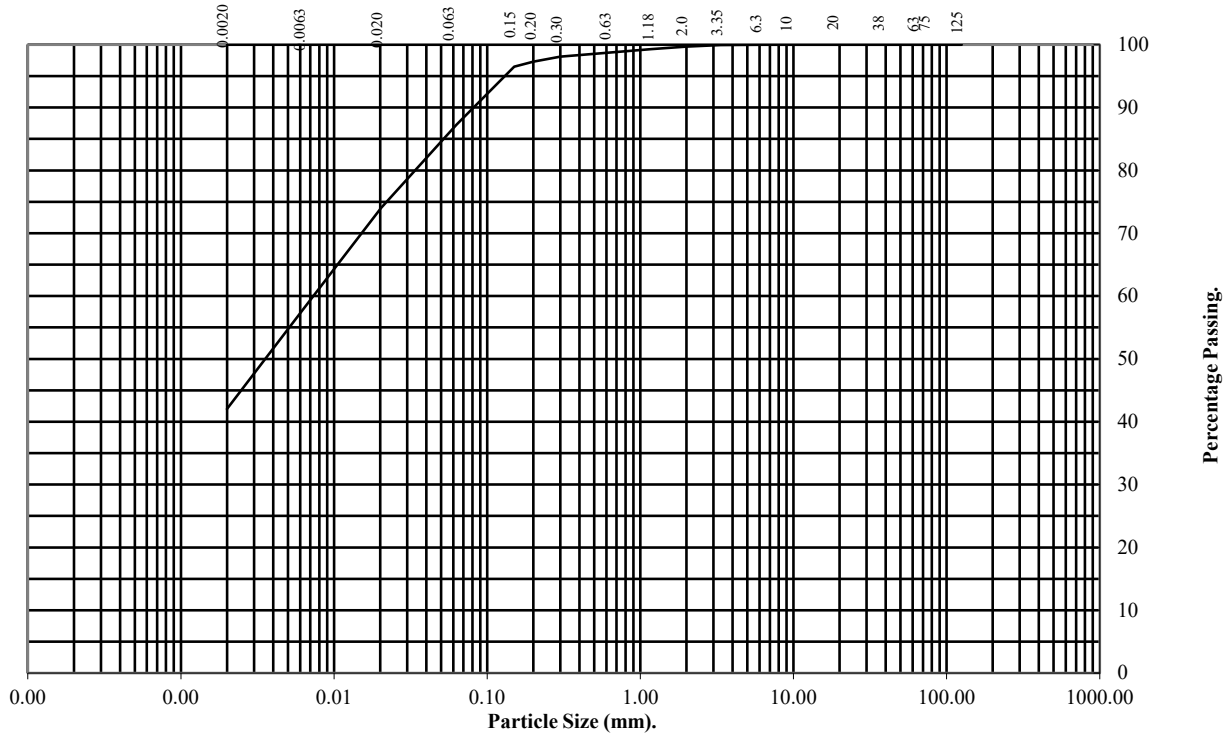
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-07** Top Depth (m): **30.00**

Sample Number: **67** Base Depth (m): **30.45**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	99
0.63	99
0.3	98
0.2	97
0.15	97
0.063	87

Particle Diameter	Percentage Passing
0.020	74
0.0063	58
0.0020	42
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	13
Silt	45
Clay	42

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

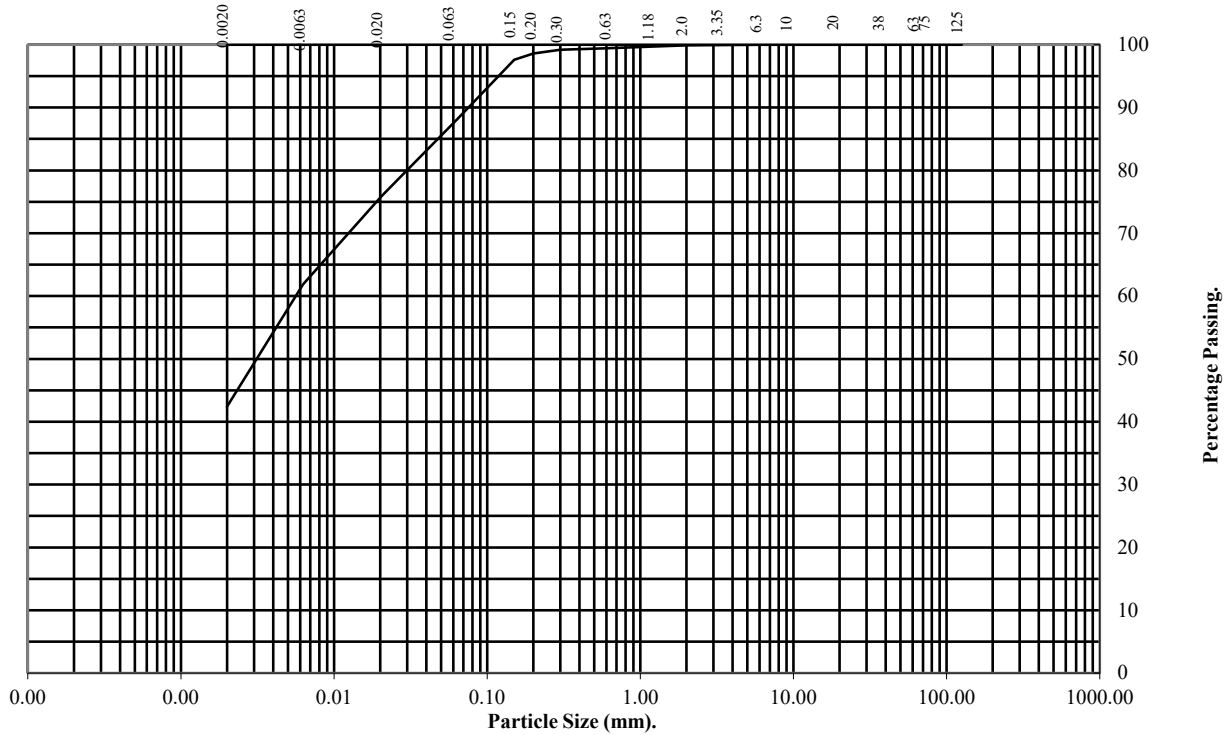
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-07** Top Depth (m): **31.50**

Sample Number: **69** Base Depth (m): **31.95**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	99
0.3	99
0.2	99
0.15	98
0.063	88

Particle Diameter	Percentage Passing
0.020	76
0.0063	62
0.0020	42
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	12
Silt	46
Clay	42

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7022
Client Ref:
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PARTICLE SIZE DISTRIBUTION TEST

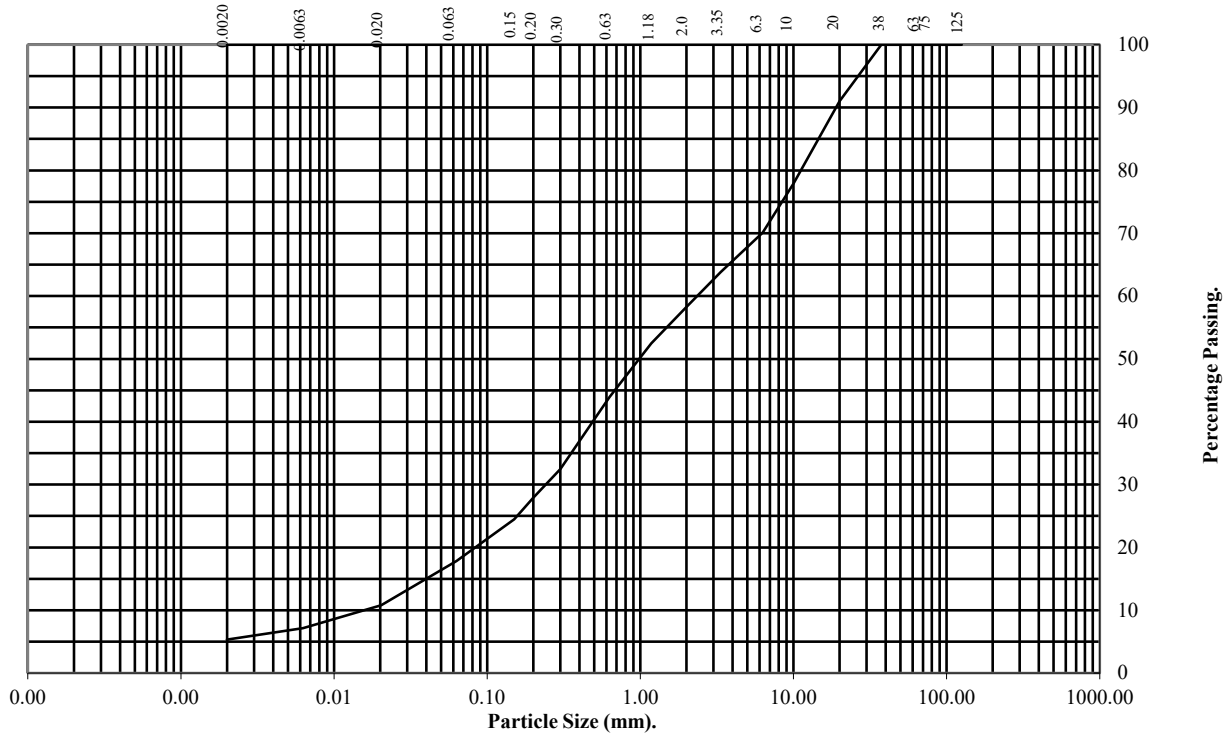
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-08** Top Depth (m): **0.30**

Sample Number: **1** Base Depth (m): **0.50**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	91
10	78
6.3	70
3.35	64
2	58
1.18	52
0.63	44
0.3	32
0.2	28
0.15	24
0.063	18

Particle Diameter	Percentage Passing
0.020	11
0.0063	7
0.0020	5
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	42
Sand	40
Silt	13
Clay	5

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

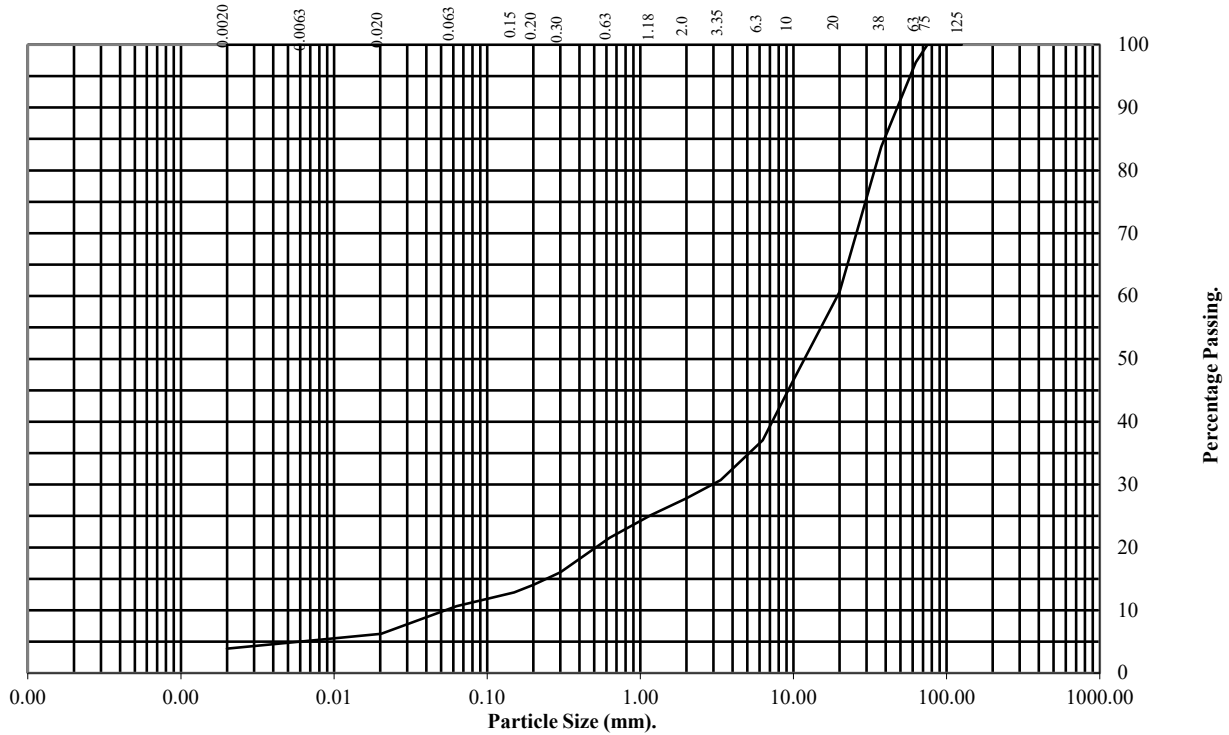
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-08 **Top Depth (m):** 0.70

Sample Number: 3 **Base Depth (m):** 0.90

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	97
37.5	84
20	61
10	47
6.3	37
3.35	31
2	28
1.18	25
0.63	21
0.3	16
0.2	14
0.15	13
0.063	11

Particle Diameter	Percentage Passing
0.020	6
0.0063	5
0.0020	4
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	3
Gravel	69
Sand	17
Silt	7
Clay	4

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

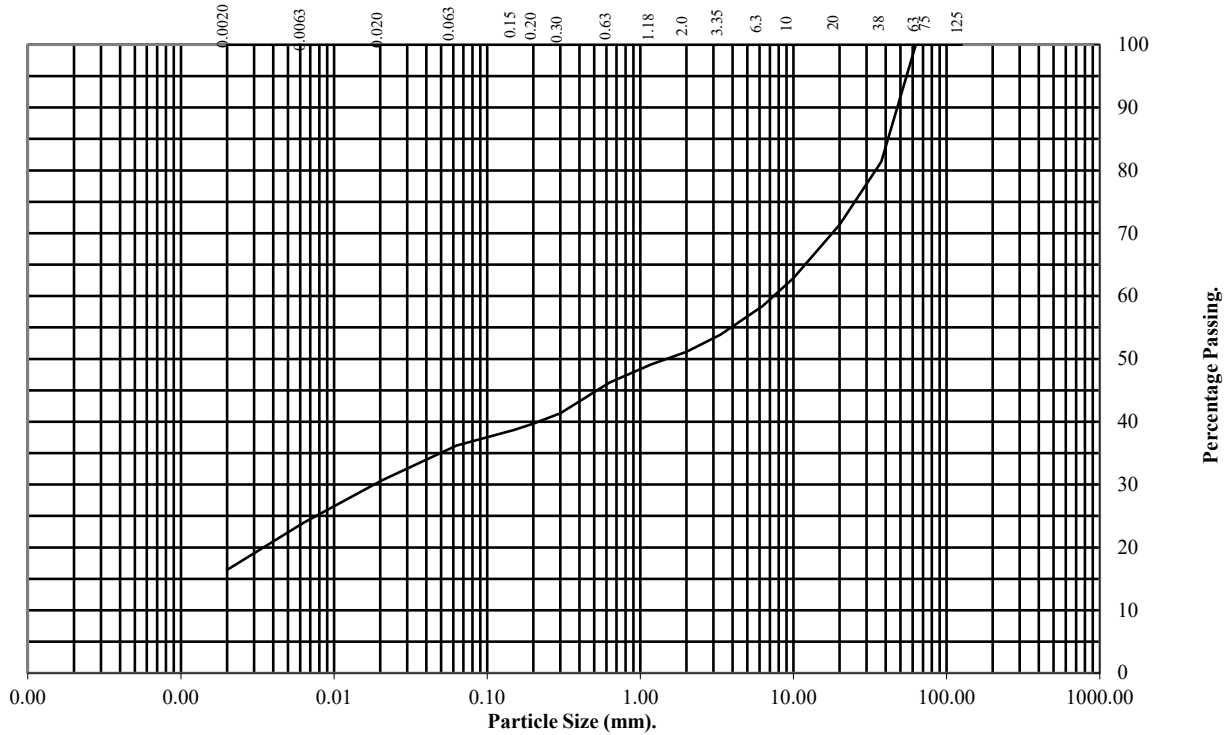
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-08** Top Depth (m): **1.00**

Sample Number: **6** Base Depth (m): **1.20**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	81
20	71
10	63
6.3	58
3.35	54
2	51
1.18	49
0.63	46
0.3	41
0.2	40
0.15	39
0.063	36

Particle Diameter	Percentage Passing
0.020	31
0.0063	24
0.0020	16
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	49
Sand	15
Silt	20
Clay	16

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
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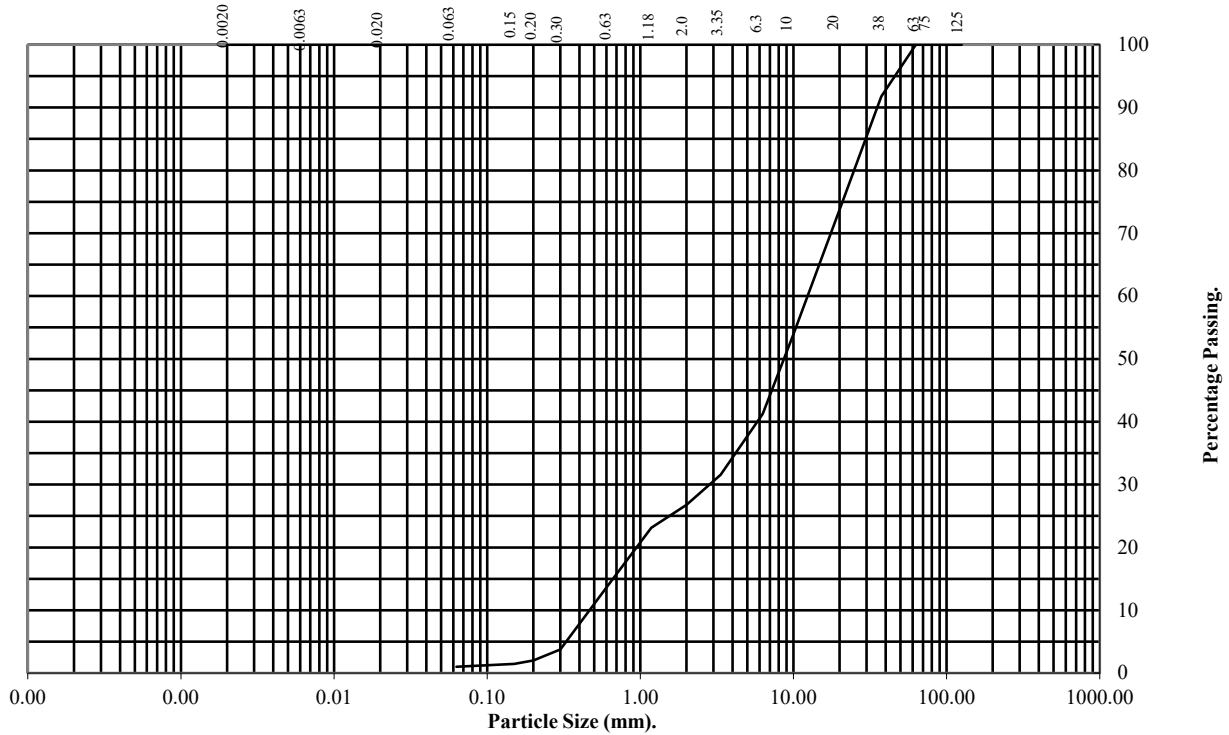
PARTICLE SIZE DISTRIBUTION TEST

BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016
Sieve Method, Clause 5.2

Hole Number: **BH24-08** Top Depth (m): **2.50**

Sample Number: **11** Base Depth (m): **2.70**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	92
20	74
10	54
6.3	41
3.35	32
2	27
1.18	23
0.63	14
0.3	4
0.2	2
0.15	1
0.063	1

Soil Fraction	Total Percentage
Cobbles	0
Gravel	73
Sand	26
Silt/Clay	1

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

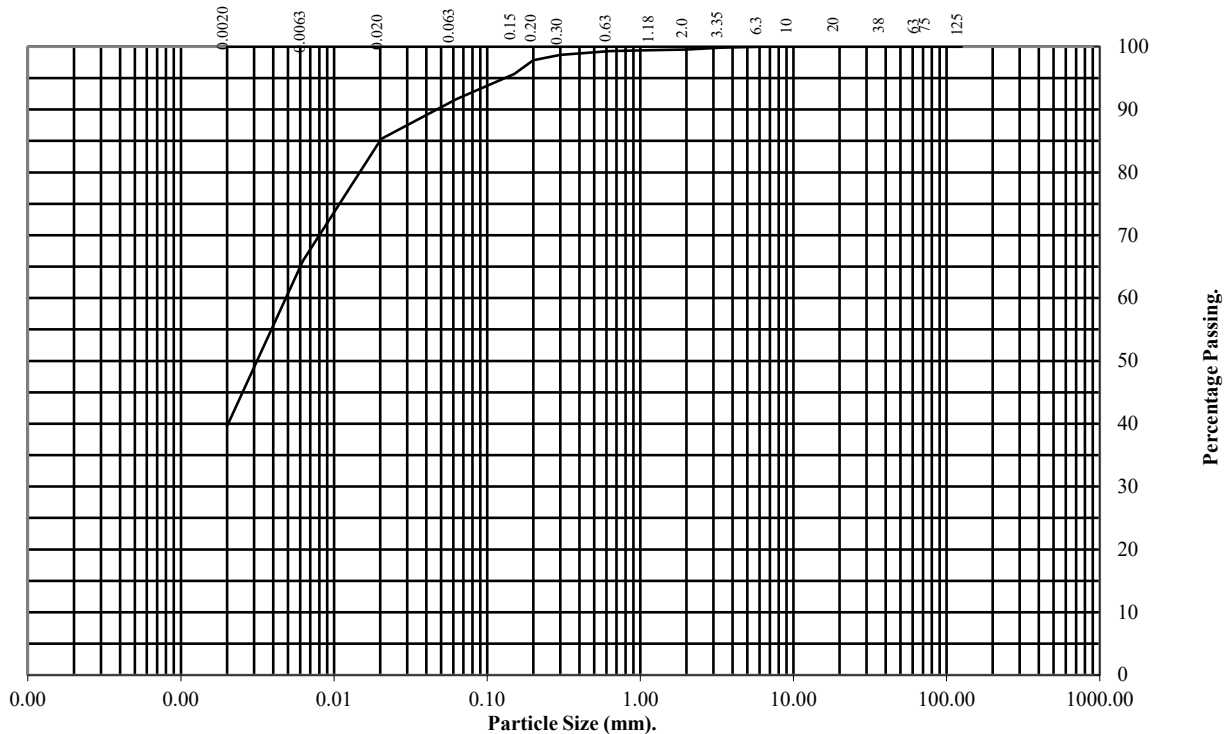
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-08** Top Depth (m): **7.50**

Sample Number: **20** Base Depth (m): **7.95**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	99
0.63	99
0.3	99
0.2	98
0.15	96
0.063	92

Particle Diameter	Percentage Passing
0.020	85
0.0063	66
0.0020	40
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	8
Silt	52
Clay	40

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

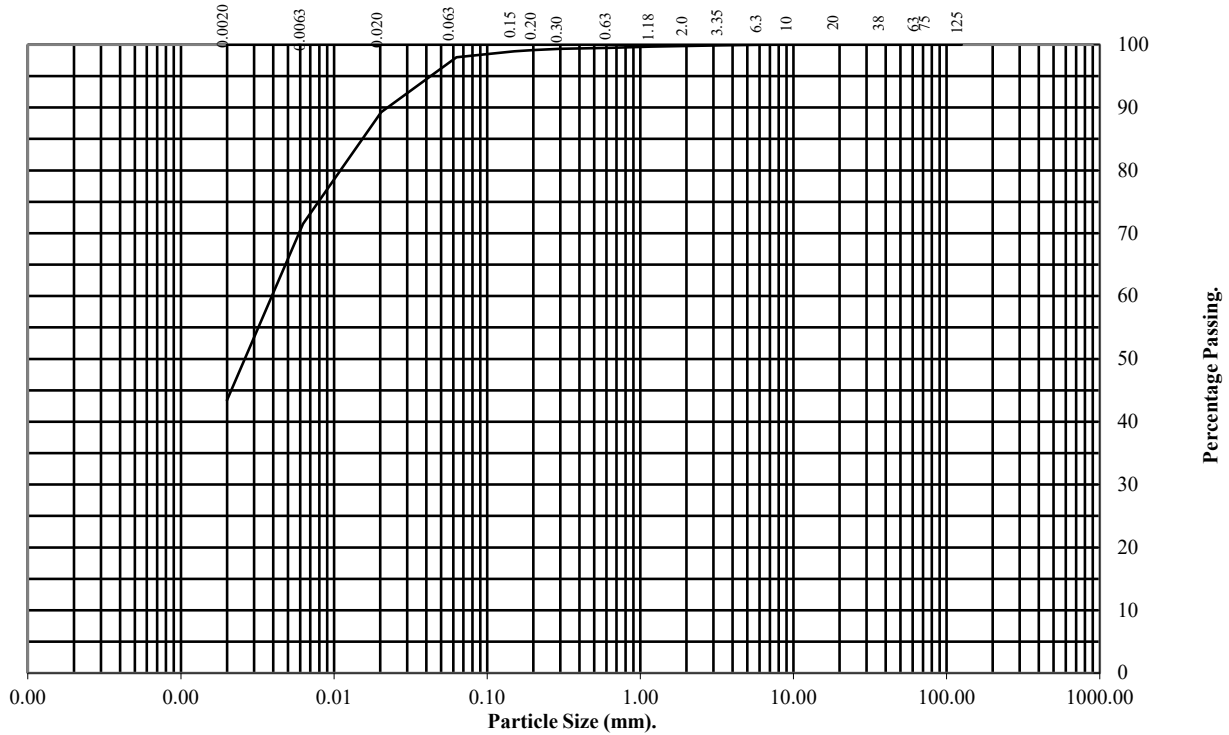
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-08 **Top Depth (m):** 9.50

Sample Number: 24 **Base Depth (m):**

Sample Type: D



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	99
0.2	99
0.15	99
0.063	98

Particle Diameter	Percentage Passing
0.020	89
0.0063	72
0.0020	43
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	55
Clay	43

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
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PARTICLE SIZE DISTRIBUTION TEST

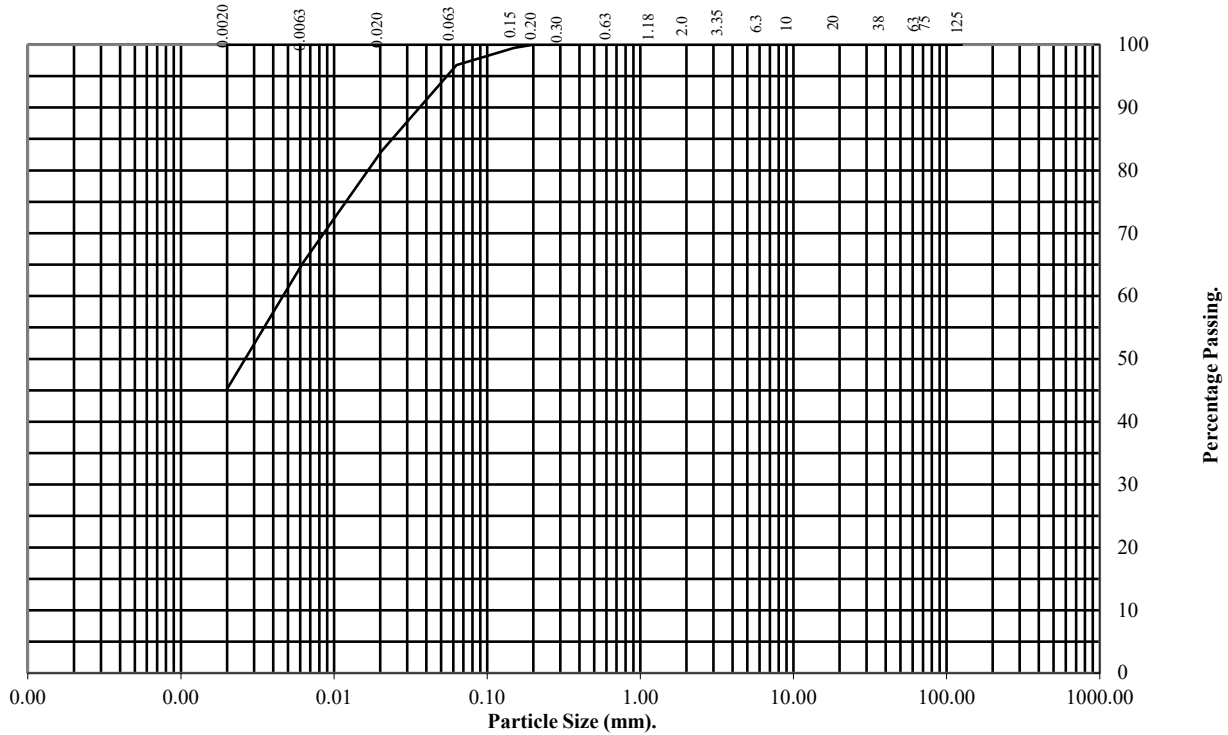
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-08** Top Depth (m): **12.00**

Sample Number: **29** Base Depth (m): **12.45**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	99
0.063	97

Particle Diameter	Percentage Passing
0.020	83
0.0063	65
0.0020	45
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	3
Silt	52
Clay	45

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
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PARTICLE SIZE DISTRIBUTION TEST

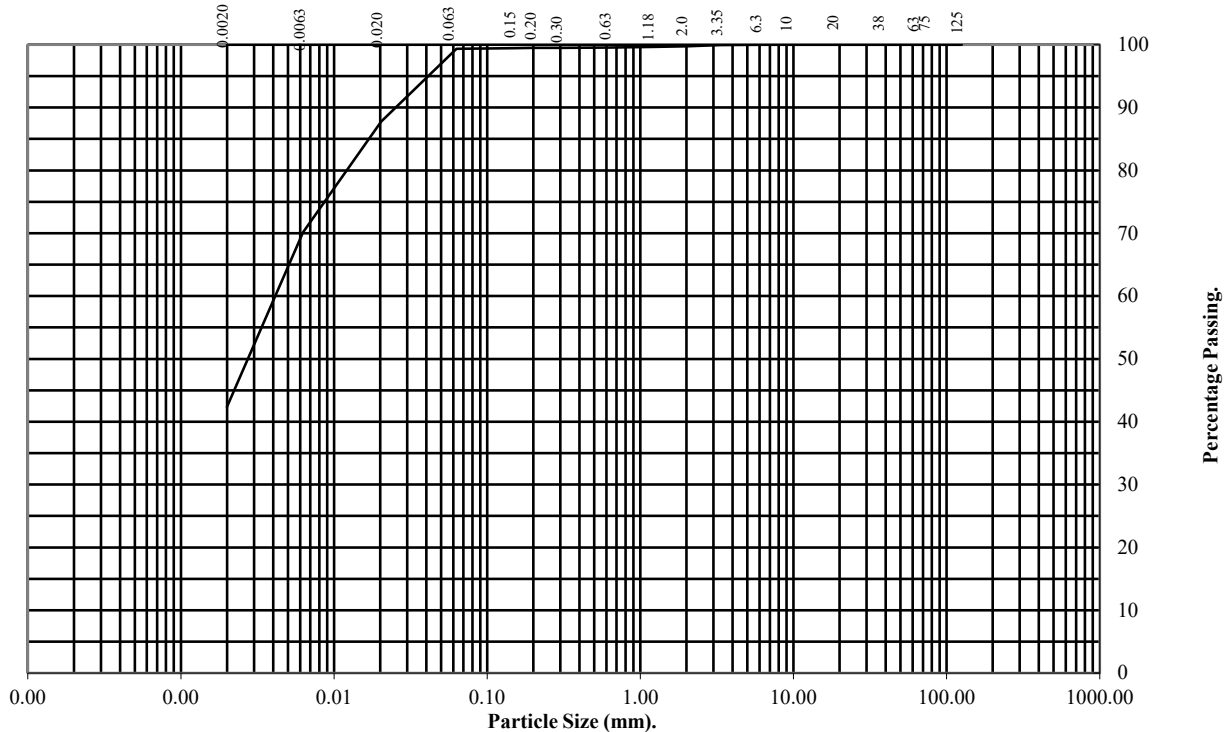
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-08 **Top Depth (m):** 13.50

Sample Number: 32 **Base Depth (m):** 13.95

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	99
0.15	99
0.063	99

Particle Diameter	Percentage Passing
0.020	88
0.0063	70
0.0020	42
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	1
Silt	57
Clay	42

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

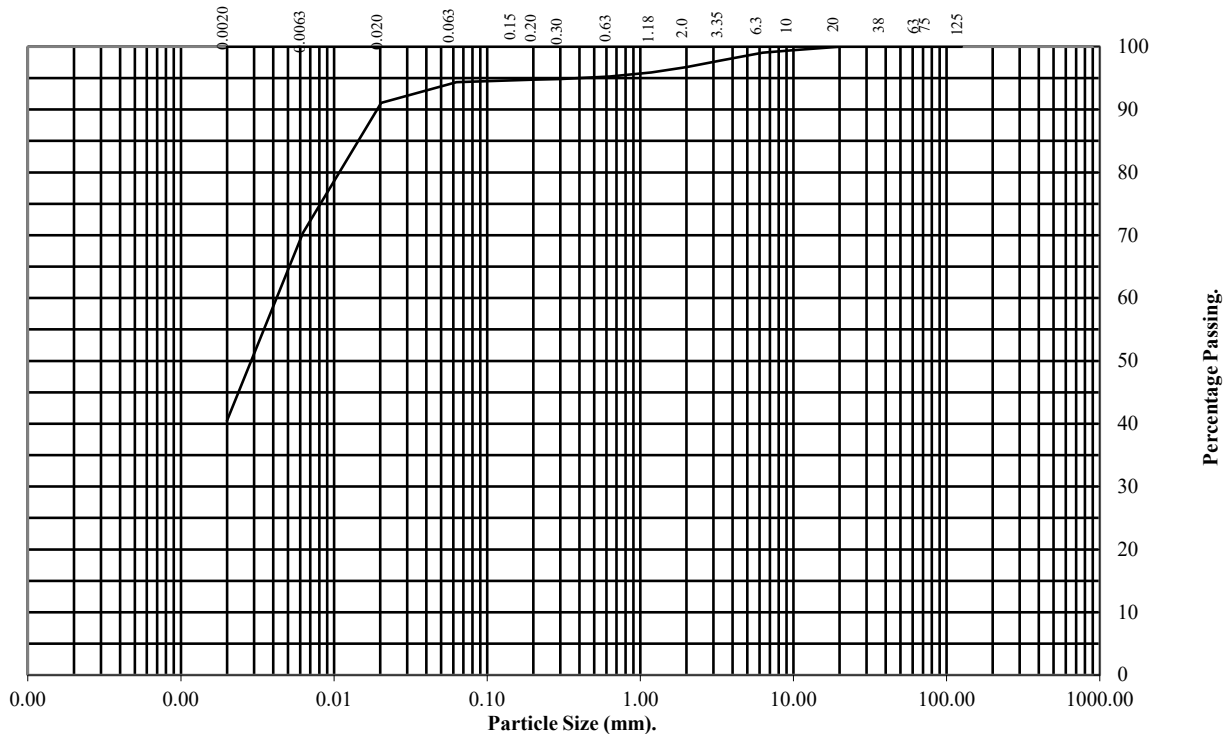
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-08** Top Depth (m): **15.50**

Sample Number: **36** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	99
6.3	99
3.35	98
2	97
1.18	96
0.63	95
0.3	95
0.2	95
0.15	95
0.063	94

Particle Diameter	Percentage Passing
0.020	91
0.0063	70
0.0020	40
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	3
Sand	3
Silt	54
Clay	40

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

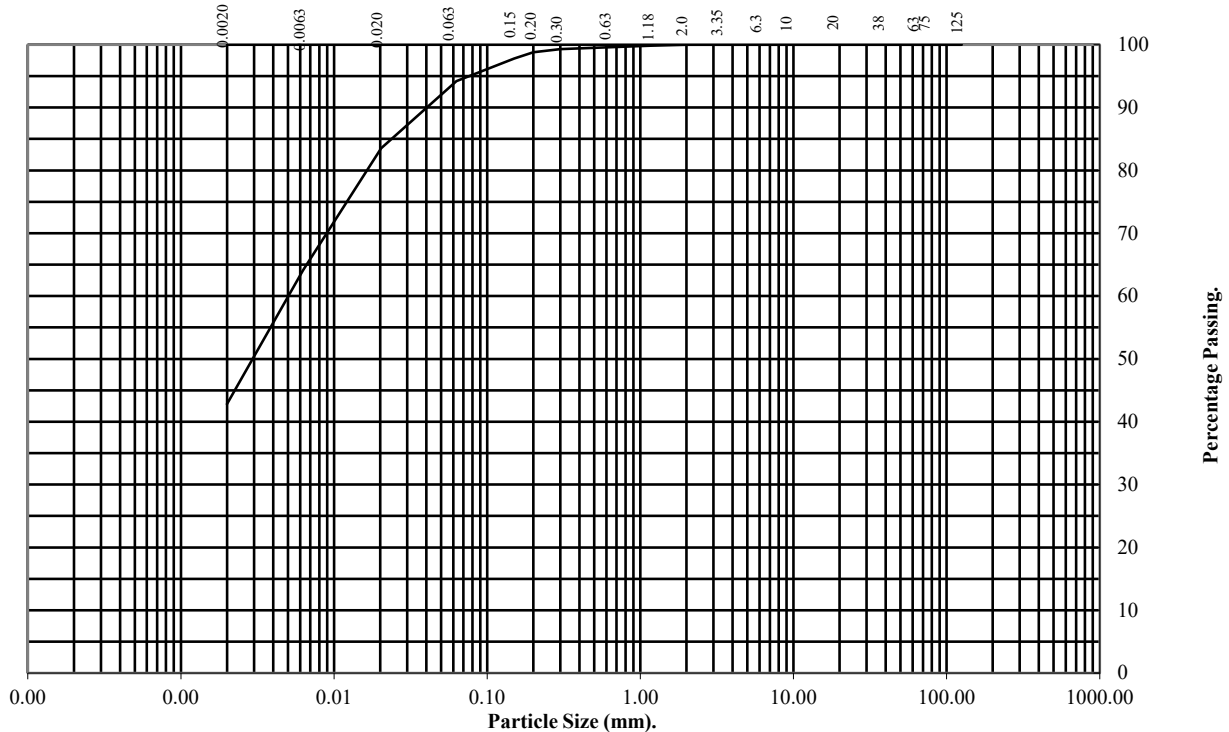
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-08** **Top Depth (m):** **17.00**

Sample Number: **39** **Base Depth (m):**

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	99
0.2	99
0.15	98
0.063	94

Particle Diameter	Percentage Passing
0.020	84
0.0063	64
0.0020	43
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	6
Silt	51
Clay	43

Remarks:
See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

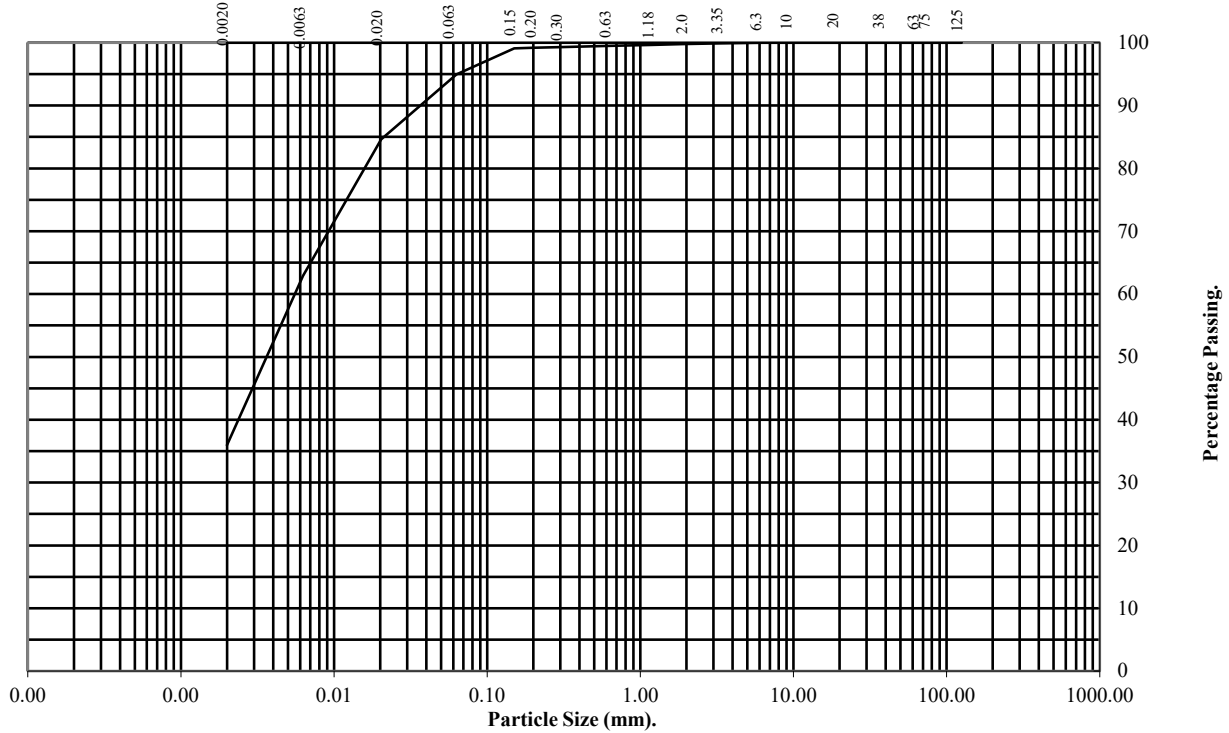
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-08** Top Depth (m): **19.50**

Sample Number: **44** Base Depth (m): **19.95**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	99
0.3	99
0.2	99
0.15	99
0.063	95

Particle Diameter	Percentage Passing
0.020	85
0.0063	63
0.0020	36
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	5
Silt	59
Clay	36

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

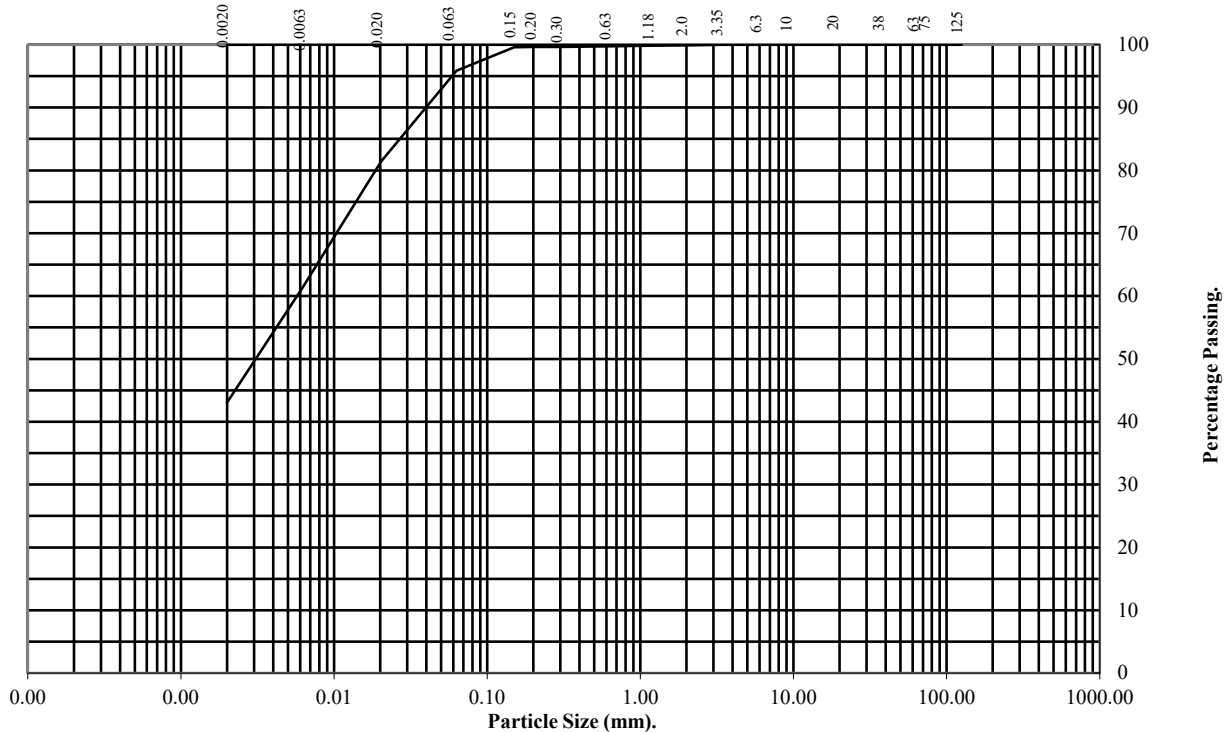
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-08** Top Depth (m): **20.00**

Sample Number: **46** Base Depth (m): **20.45**

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	96

Particle Diameter	Percentage Passing
0.020	81
0.0063	61
0.0020	43
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	4
Silt	53
Clay	43

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

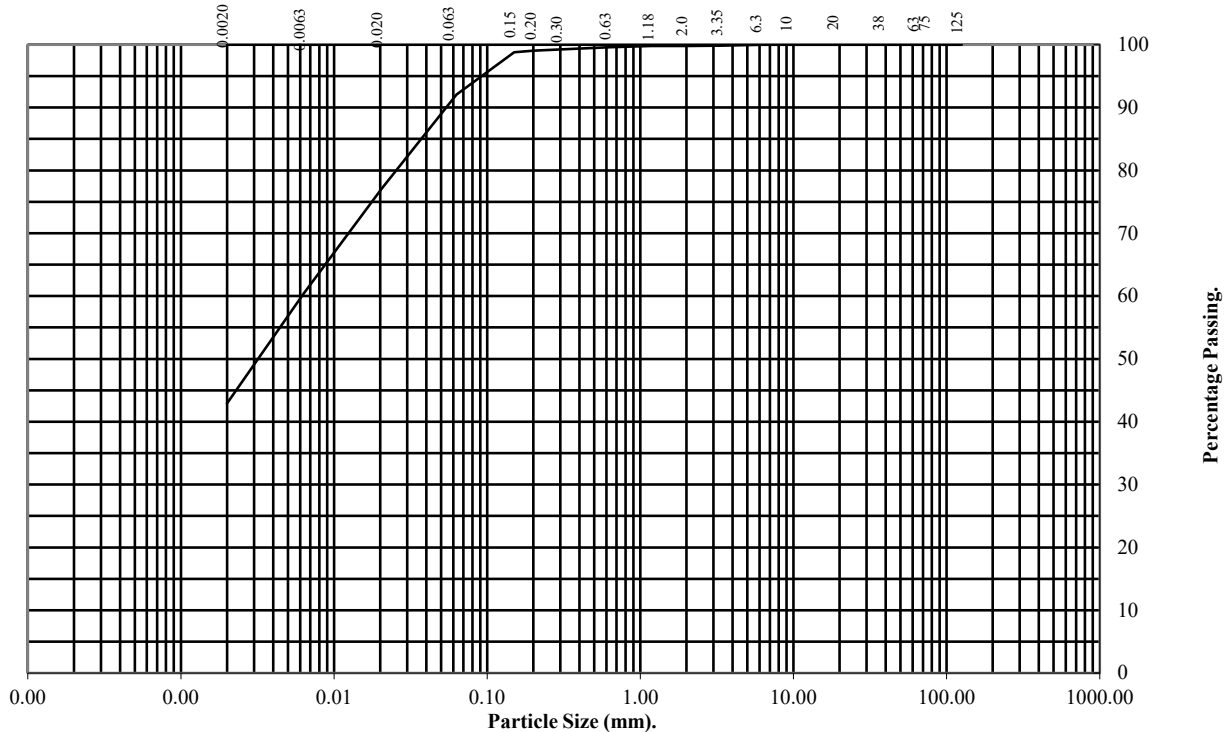
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-08** Top Depth (m): **21.50**

Sample Number: **48** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	99
0.2	99
0.15	99
0.063	92

Particle Diameter	Percentage Passing
0.020	77
0.0063	60
0.0020	43
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	8
Silt	49
Clay	43

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

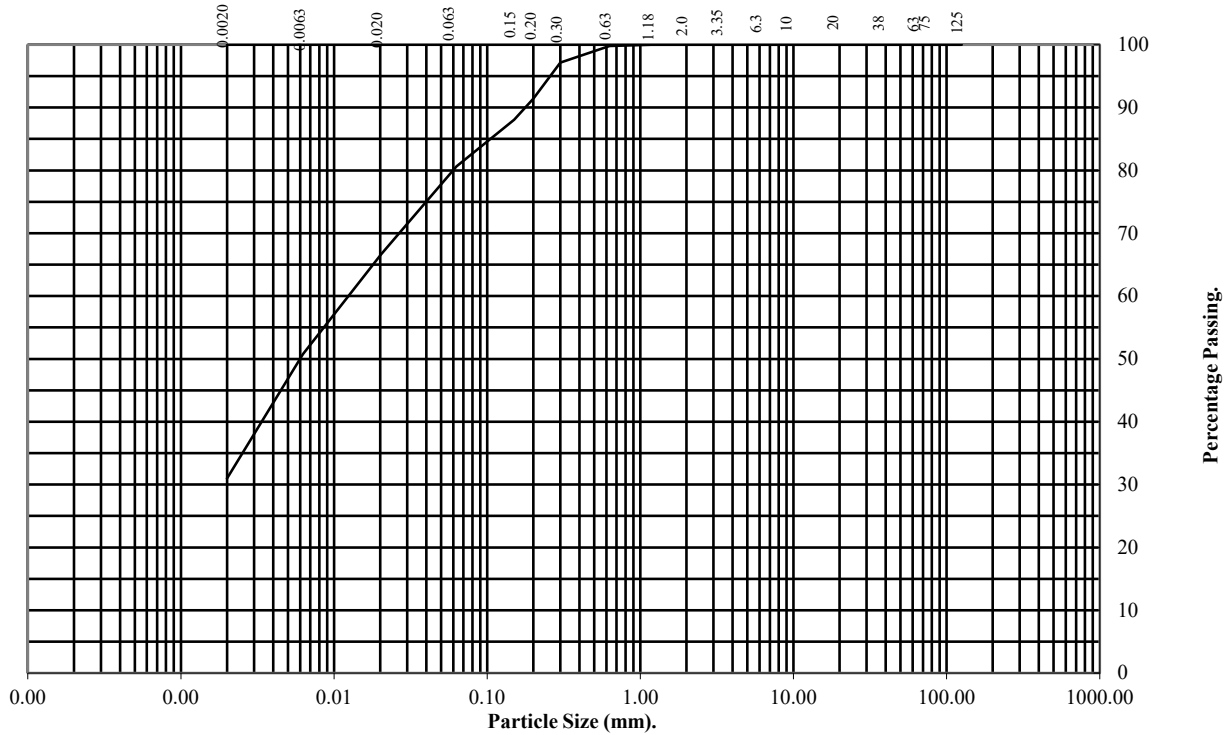
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-08 **Top Depth (m):** 22.50

Sample Number: 50 **Base Depth (m):** 22.95

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	97
0.2	91
0.15	88
0.063	81

Particle Diameter	Percentage Passing
0.020	67
0.0063	51
0.0020	31
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	19
Silt	50
Clay	31

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

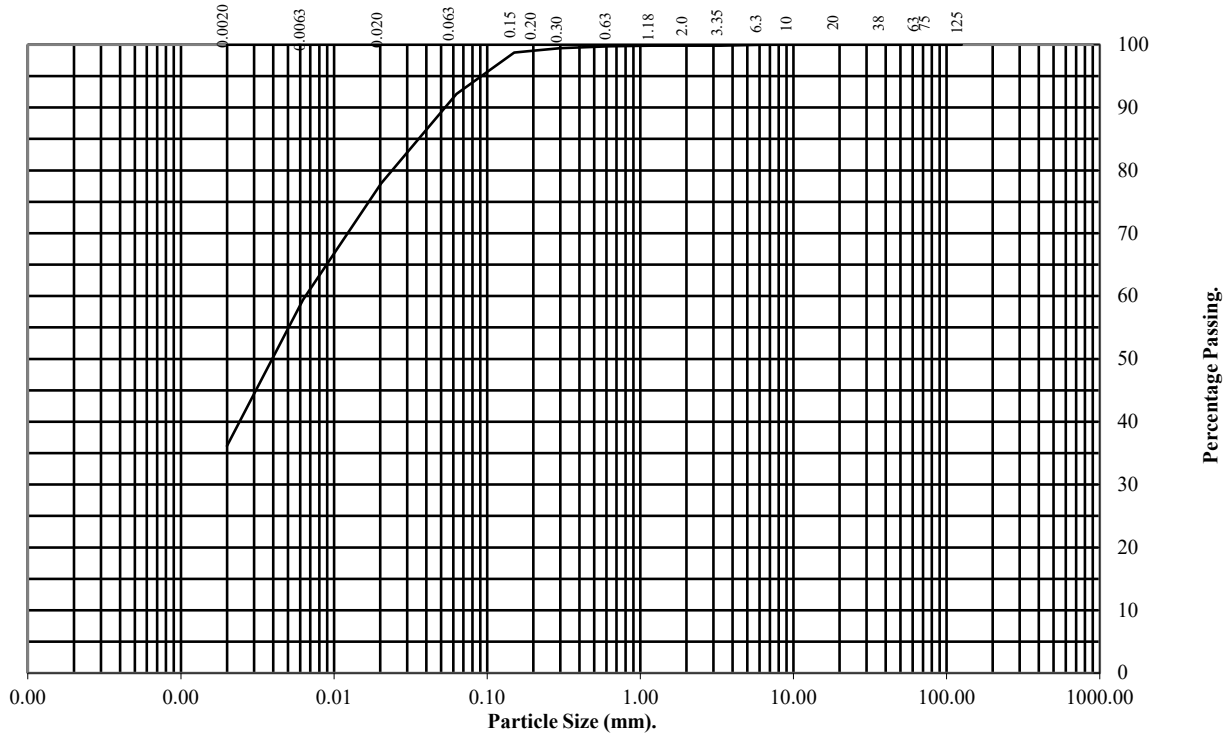
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-08 **Top Depth (m):** 24.00

Sample Number: 53 **Base Depth (m):** 24.45

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	99
0.2	99
0.15	99
0.063	92

Particle Diameter	Percentage Passing
0.020	78
0.0063	59
0.0020	36
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	8
Silt	56
Clay	36

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

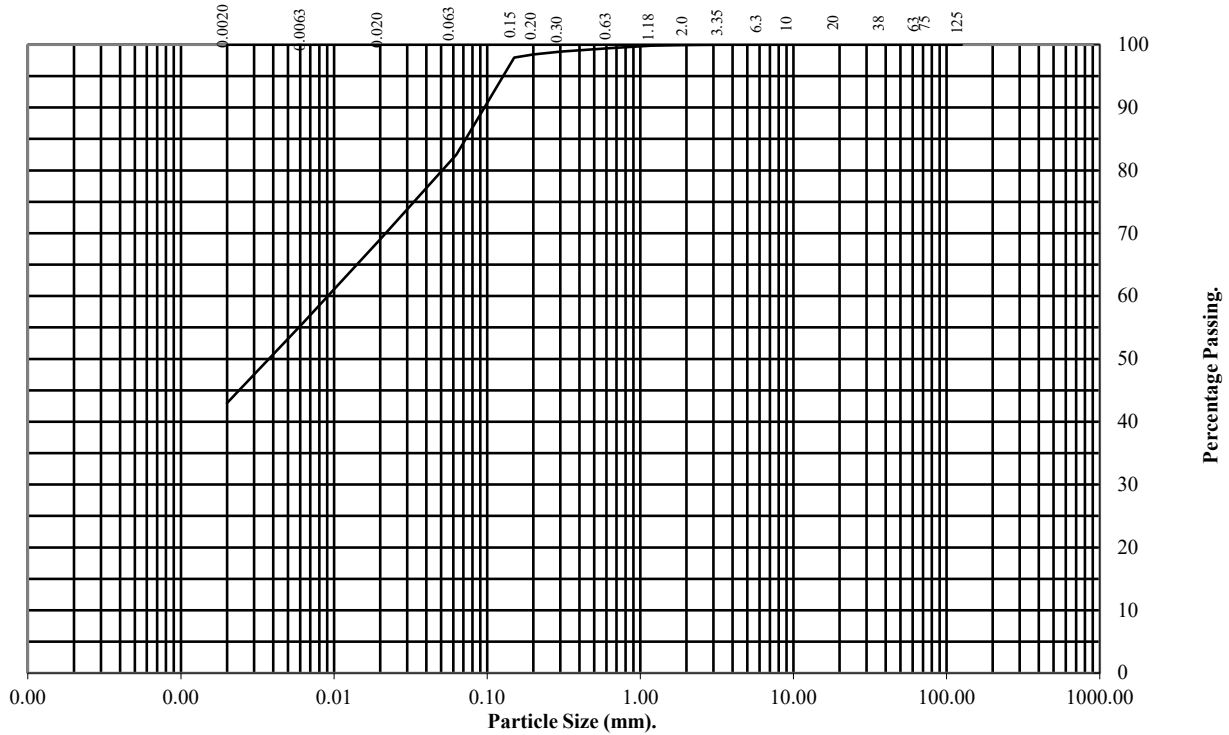
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-08 **Top Depth (m):** 25.50

Sample Number: 56 **Base Depth (m):** 25.95

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	99
0.3	99
0.2	98
0.15	98
0.063	83

Particle Diameter	Percentage Passing
0.020	69
0.0063	56
0.0020	43
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	17
Silt	40
Clay	43

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

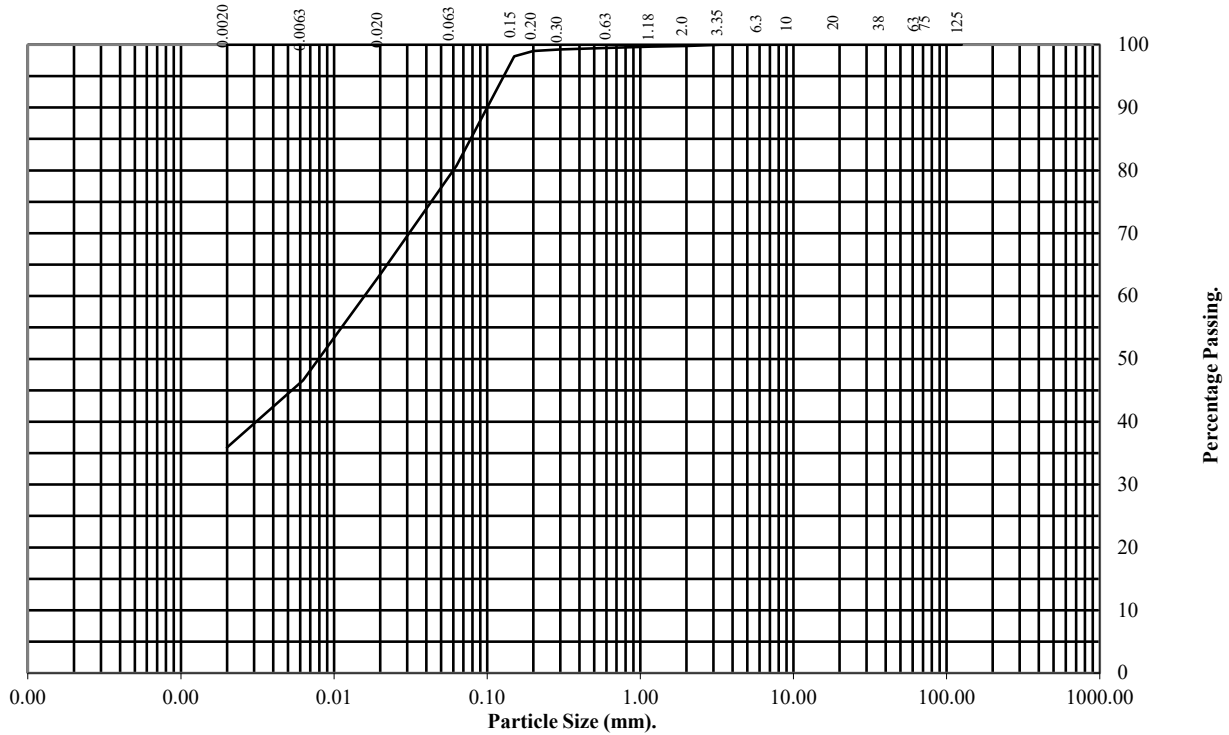
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-08** Top Depth (m): **26.00**

Sample Number: **58** Base Depth (m): **26.50**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	99
0.2	99
0.15	98
0.063	81

Particle Diameter	Percentage Passing
0.020	64
0.0063	47
0.0020	36
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	19
Silt	45
Clay	36

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

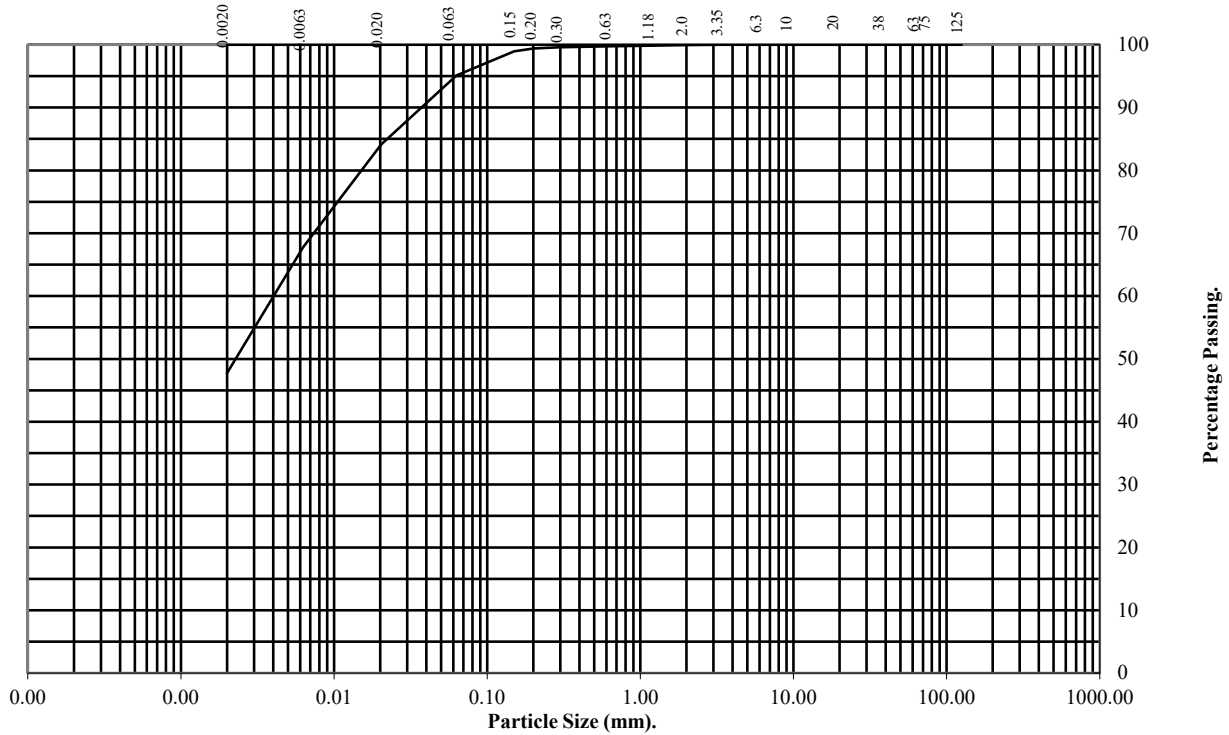
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-08** Top Depth (m): **27.50**

Sample Number: **61** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	99
0.15	99
0.063	95

Particle Diameter	Percentage Passing
0.020	84
0.0063	68
0.0020	48
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	5
Silt	47
Clay	48

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

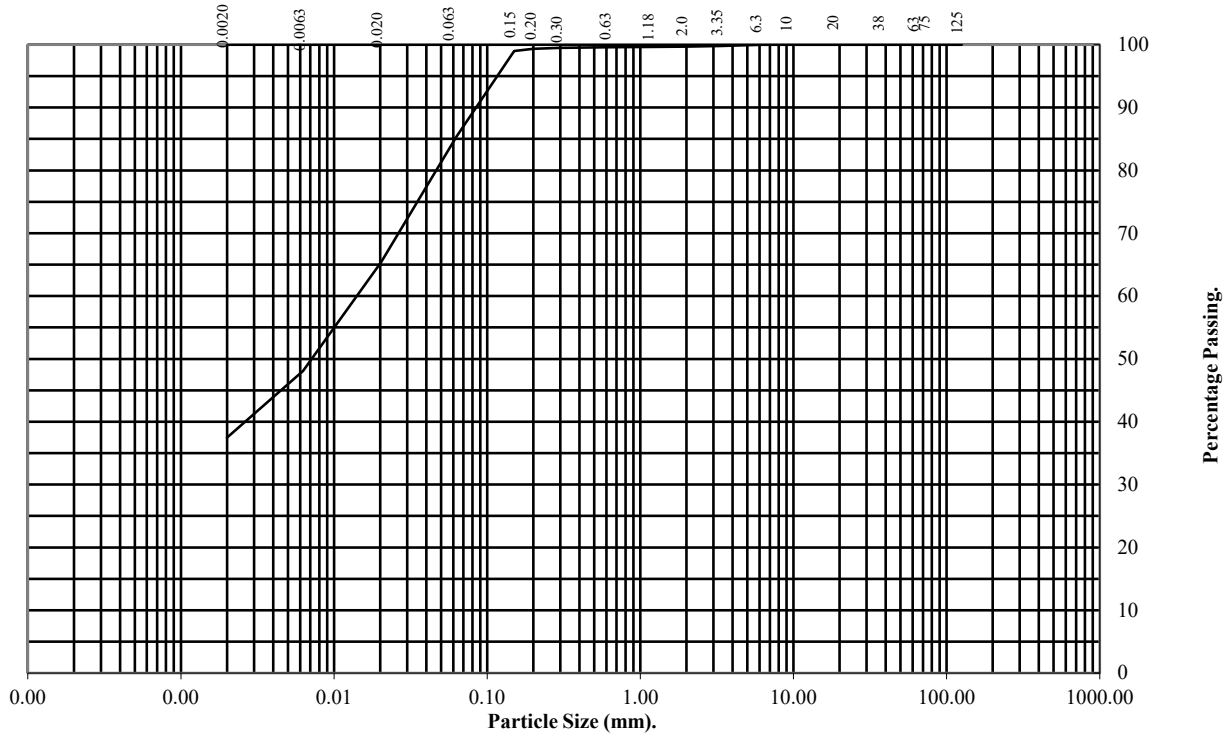
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-08** Top Depth (m): **28.00**

Sample Number: **63** Base Depth (m): **28.50**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	99
0.2	99
0.15	99
0.063	85

Particle Diameter	Percentage Passing
0.020	65
0.0063	48
0.0020	37
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	15
Silt	48
Clay	37

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

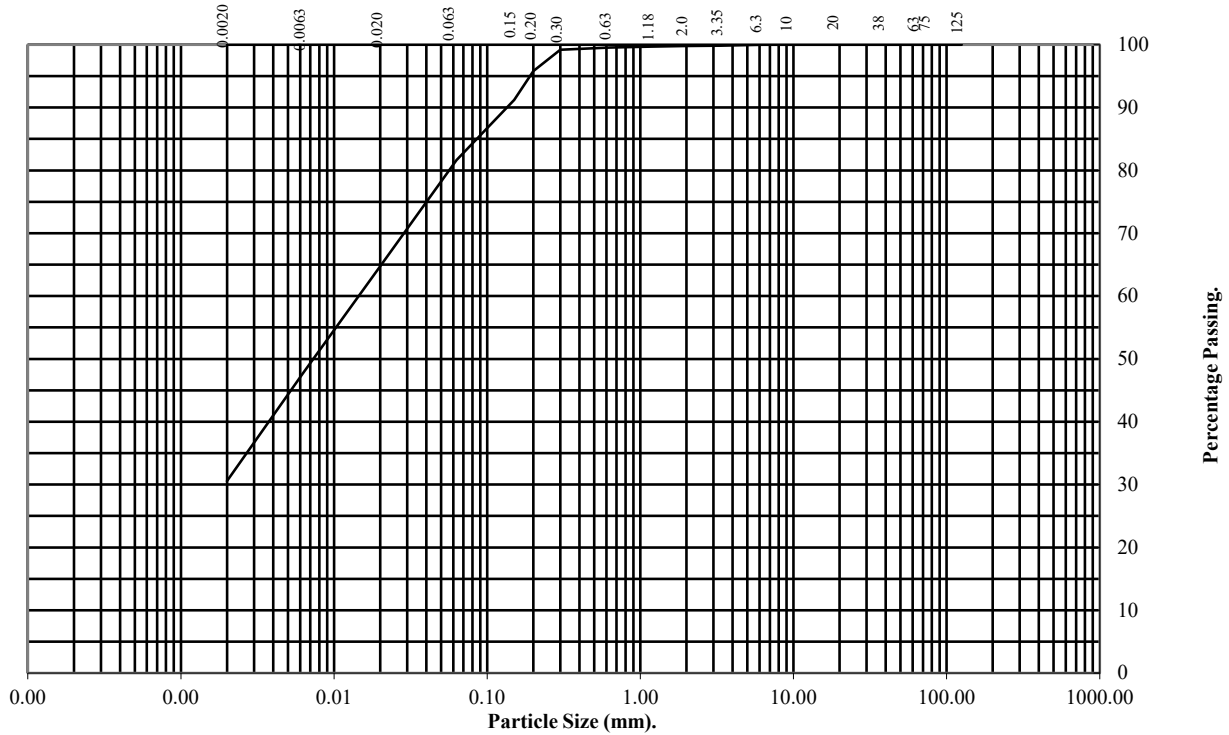
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-08 **Top Depth (m):** 30.00

Sample Number: 65 **Base Depth (m):** 30.45

Sample Type: U



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	99
0.2	96
0.15	91
0.063	82

Particle Diameter	Percentage Passing
0.020	65
0.0063	48
0.0020	31
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	18
Silt	51
Clay	31

Remarks:

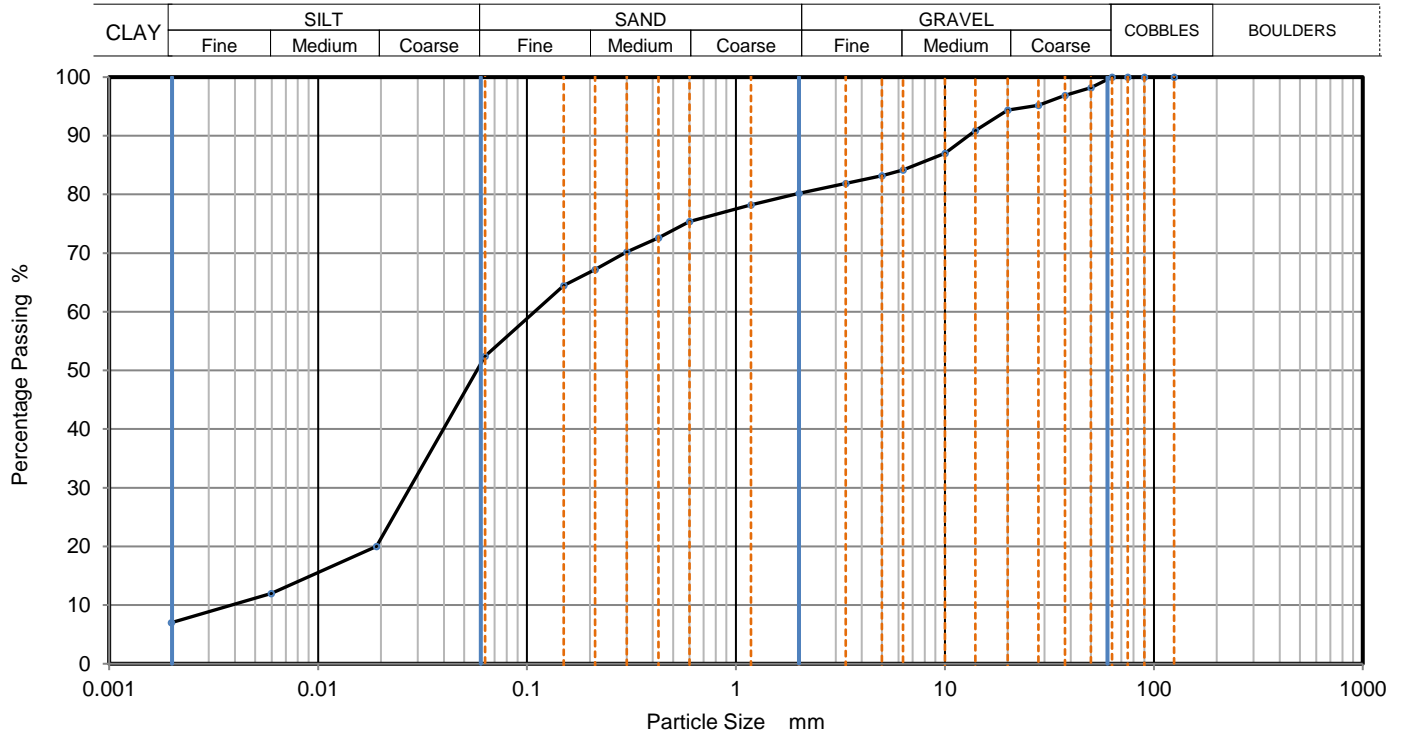
See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7027
Client Ref:
24/3980

GFQ-008-77 Issue 02 - Nov 23	Determination of Particle Size Distribution (ISO 17892-4:2016)		Job Ref	J286799	
			Borehole/Pit No.	BH24-09	
Project Name	Thorney Lane, Phase 1 Due Diligence		Sample No.	7	
Soil Description	Dark brown slightly sandy slightly gravelly silty CLAY		Depth, m	1.00	
Specimen Reference		Specimen Depth	m	Sample Type	LB
Test Method	ISO 17892 -4, by sieving and pipette sedimentation		KeyLAB ID	TTLP2024093077	



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0191	20
90	100	0.0060	12
75	100	0.0020	7
63	100		
50	98		
37.5	97		
28	95		
20	94		
14	91		
10	87		
6.3	84		
5	83		
3.35	82		
2	80		
1.18	78		
0.6	75	Particle density (assumed) 2.65 Mg/m3	
0.425	73		
0.3	70		
0.212	67		
0.15	65		
0.063	52		

Dry Mass of sample, g

13897

Sample Proportions	% dry mass
Very coarse	0
Gravel	20
Sand	28
Silt	45
Clay	7

Grading Analysis		
D ₁₀₀	mm	63
D ₆₀	mm	0.109
D ₃₀	mm	0.0274
D ₁₀	mm	0.00405
Uniformity Coefficient		27
Curvature Coefficient		1.7
Pretreatment Method (If Applicable)		

Remarks

Preparation and testing performed to BS EN ISO 17892-4 unless noted below

Date Printed:

04/10/2024



ISO PSD

PARTICLE SIZE DISTRIBUTION TEST

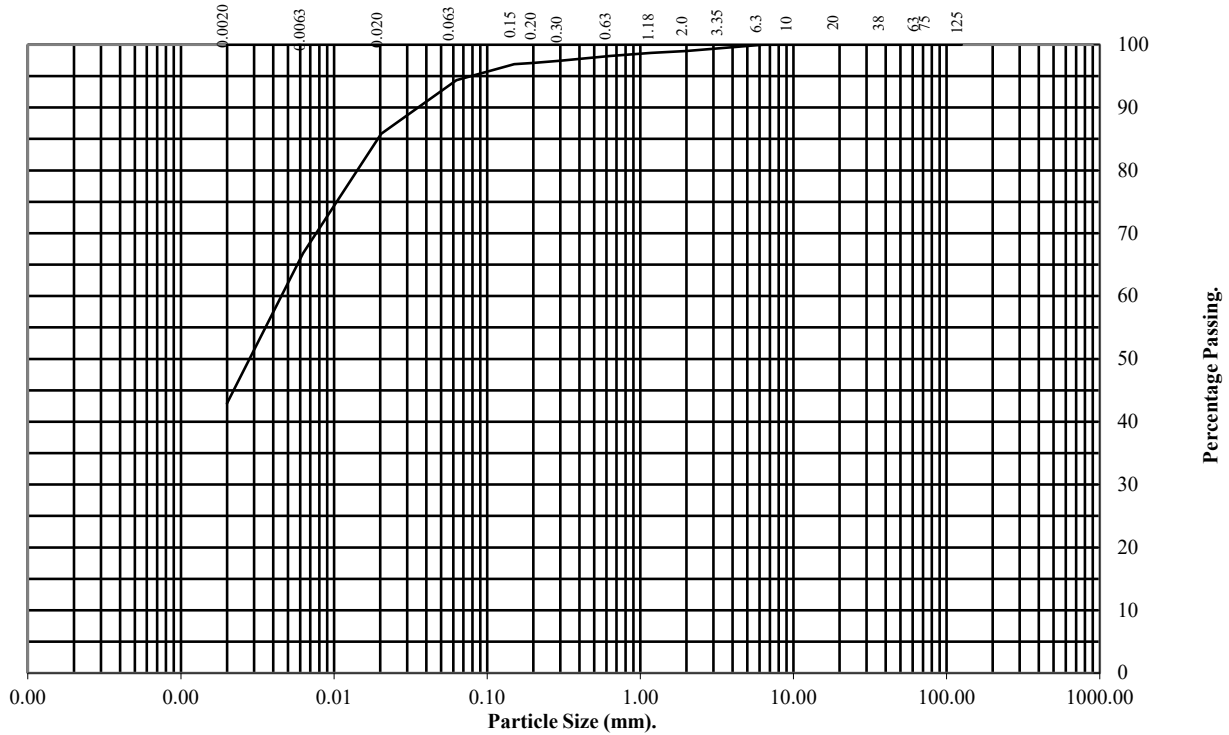
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-09** Top Depth (m): **3.00**

Sample Number: **15** Base Depth (m): **3.45**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	99
2	99
1.18	99
0.63	98
0.3	97
0.2	97
0.15	97
0.063	94

Particle Diameter	Percentage Passing
0.020	86
0.0063	67
0.0020	43
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	1
Sand	5
Silt	51
Clay	43

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/6956
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

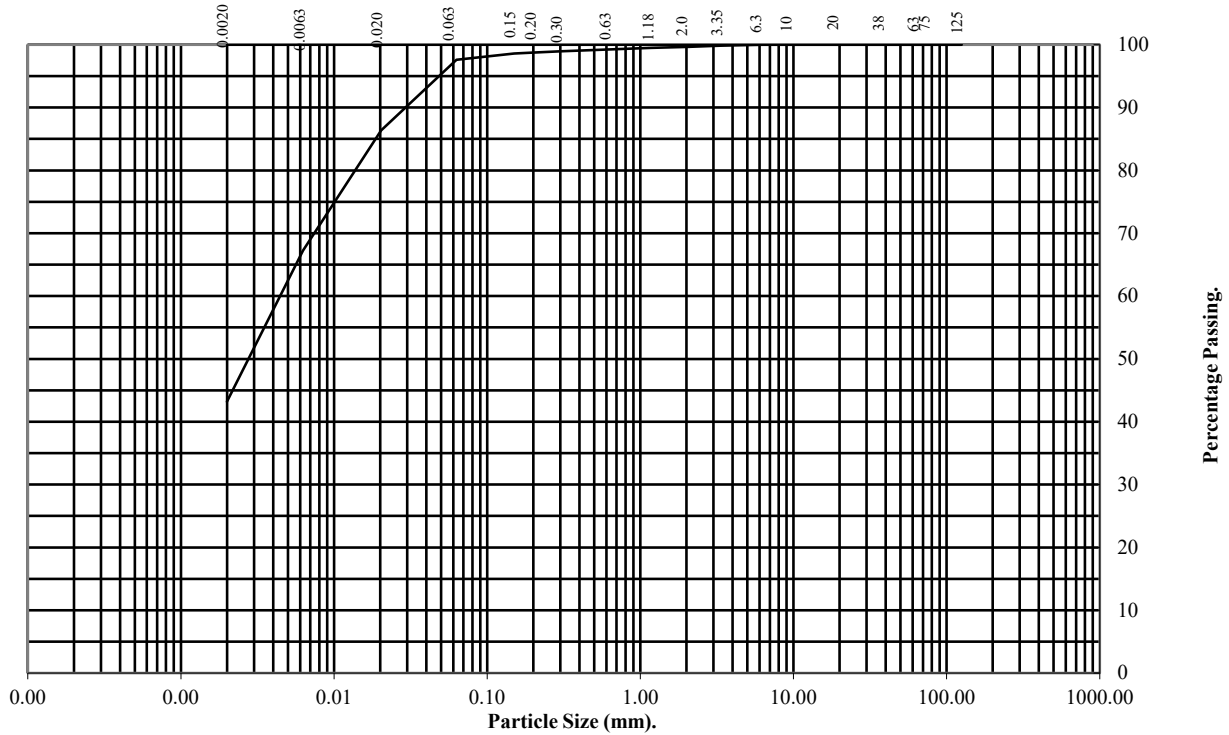
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-09** Top Depth (m): **7.00**

Sample Number: **26** Base Depth (m):

Sample Type: **D**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	99
0.63	99
0.3	99
0.2	99
0.15	99
0.063	98

Particle Diameter	Percentage Passing
0.020	86
0.0063	67
0.0020	43
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	2
Silt	55
Clay	43

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/6956
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

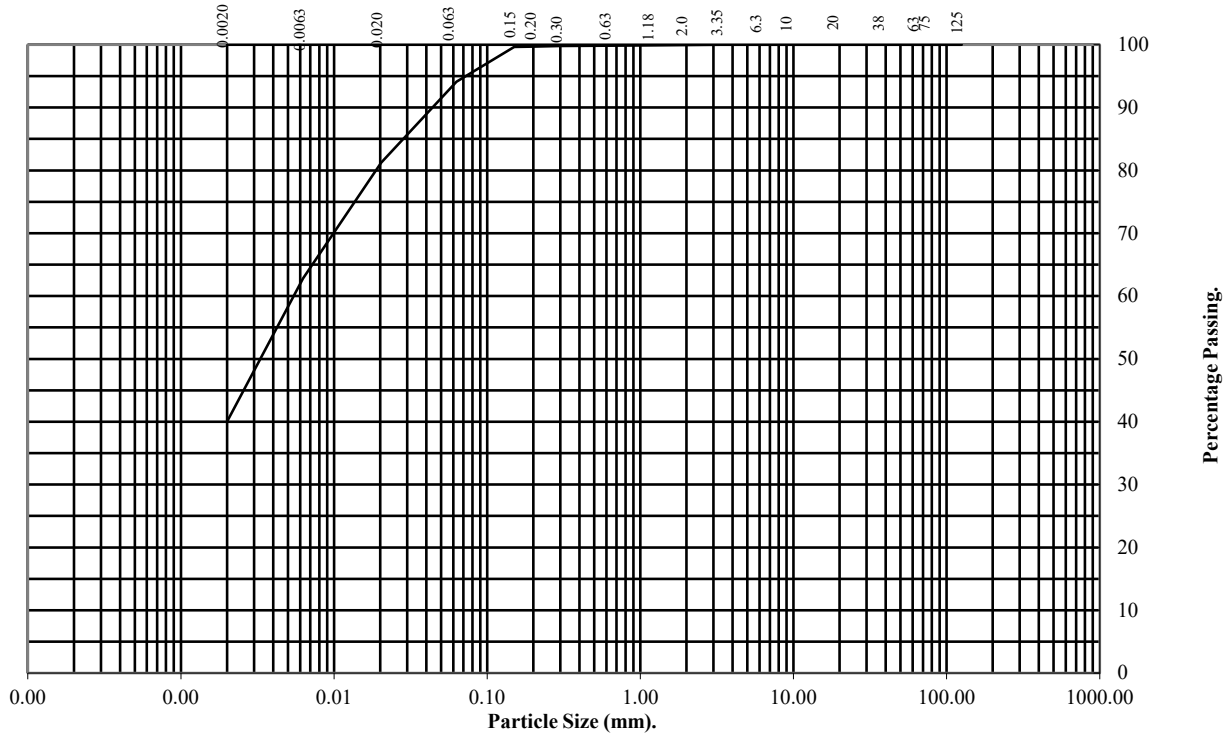
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-09** Top Depth (m): **16.50**

Sample Number: **42** Base Depth (m): **16.95**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	100
0.15	100
0.063	94

Particle Diameter	Percentage Passing
0.020	81
0.0063	63
0.0020	40
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	6
Silt	54
Clay	40

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/6956
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

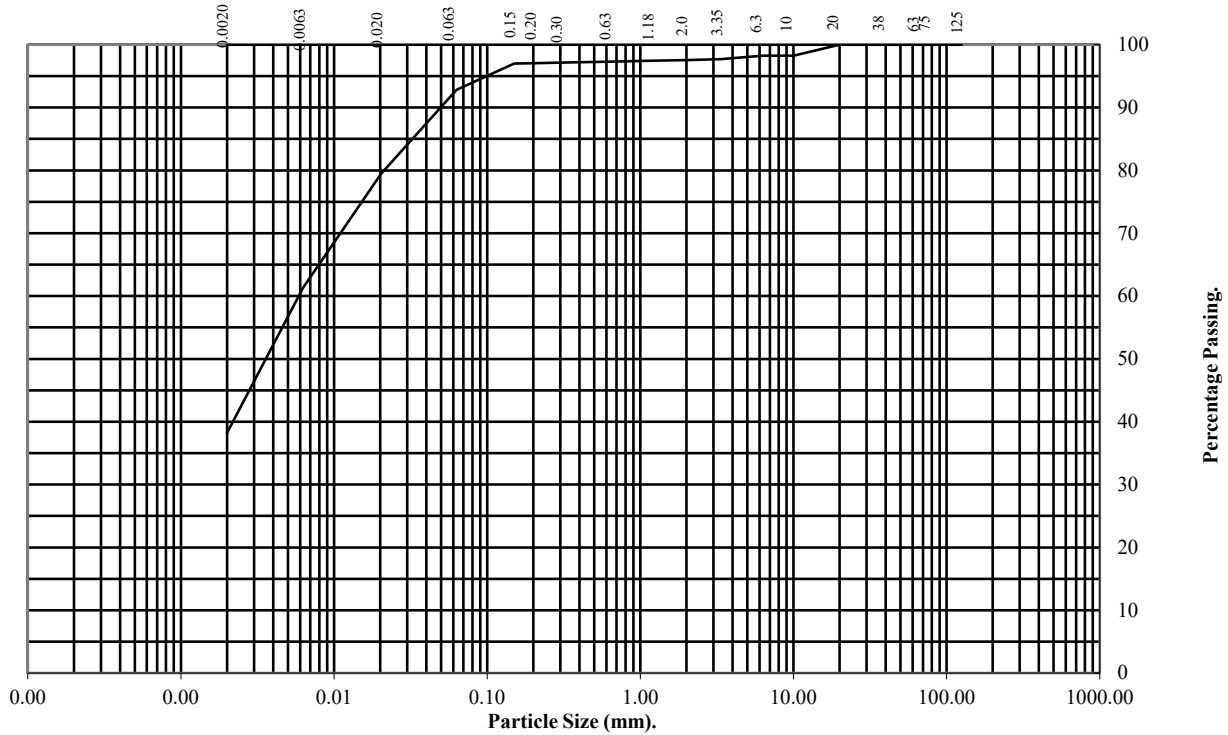
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-09** Top Depth (m): **19.50**

Sample Number: **47** Base Depth (m): **19.95**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	98
6.3	98
3.35	98
2	98
1.18	97
0.63	97
0.3	97
0.2	97
0.15	97
0.063	93

Particle Diameter	Percentage Passing
0.020	79
0.0063	61
0.0020	38
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	2
Sand	5
Silt	55
Clay	38

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/6956
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

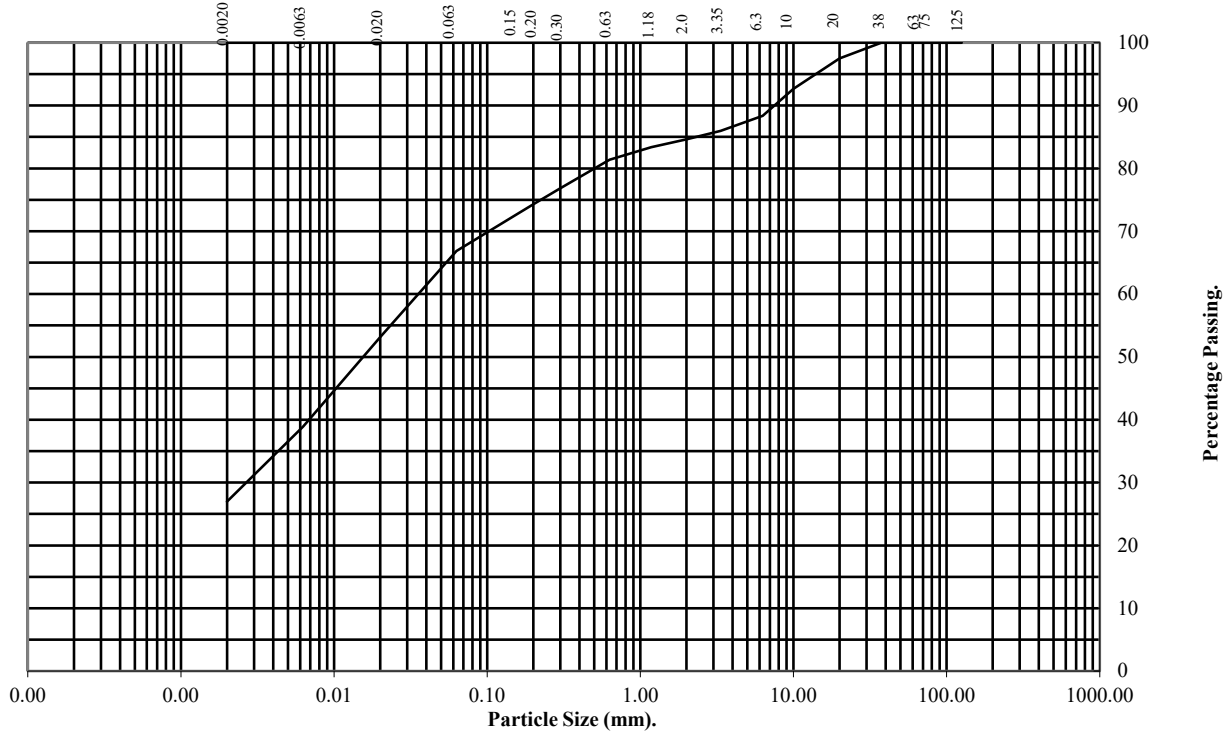
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: BH24-10 **Top Depth (m):** 0.90

Sample Number: 4 **Base Depth (m):** 1.20

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	97
10	93
6.3	88
3.35	86
2	85
1.18	83
0.63	81
0.3	77
0.2	74
0.15	72
0.063	67

Particle Diameter	Percentage Passing
0.020	53
0.0063	39
0.0020	27
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	15
Sand	18
Silt	40
Clay	27

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7201
Client Ref:
24/3980

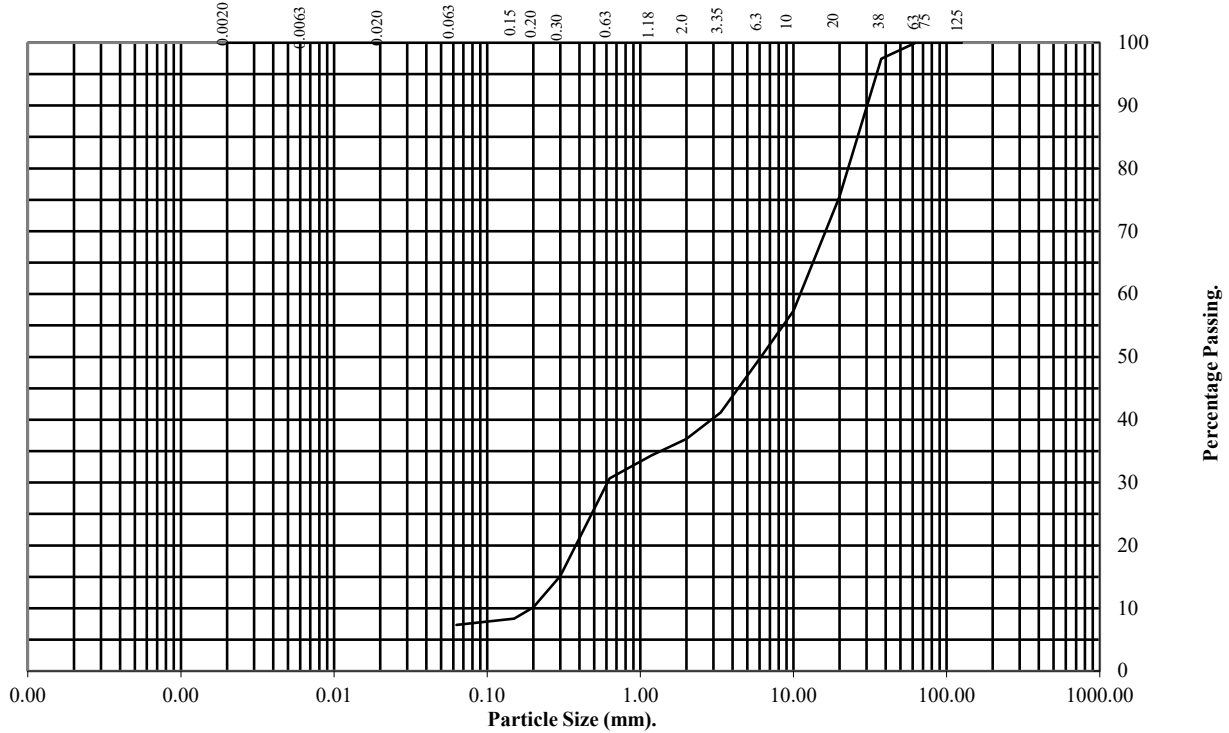
PARTICLE SIZE DISTRIBUTION TEST

BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016
Sieve Method, Clause 5.2

Hole Number: **BH24-10** Top Depth (m): **1.50**

Sample Number: **6** Base Depth (m): **1.95**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	97
20	76
10	57
6.3	50
3.35	41
2	37
1.18	34
0.63	31
0.3	15
0.2	10
0.15	8
0.063	7

Soil Fraction	Total Percentage
Cobbles	0
Gravel	63
Sand	30
Silt/Clay	7

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7201
Client Ref:
24/3980

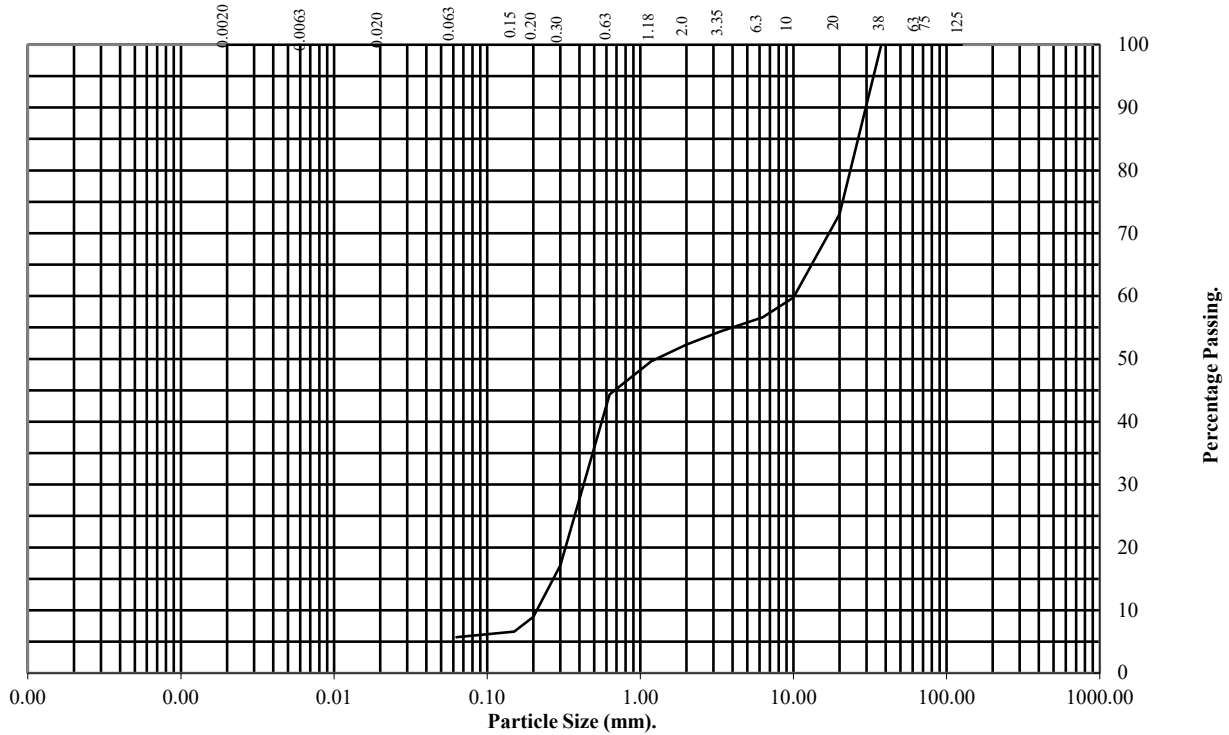
PARTICLE SIZE DISTRIBUTION TEST

BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016
Sieve Method, Clause 5.2

Hole Number: **BH24-10** Top Depth (m): **3.00**

Sample Number: **9** Base Depth (m): **3.45**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	73
10	60
6.3	57
3.35	54
2	52
1.18	50
0.63	44
0.3	17
0.2	9
0.15	7
0.063	6

Soil Fraction	Total Percentage
Cobbles	0
Gravel	48
Sand	46
Silt/Clay	6

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7201
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

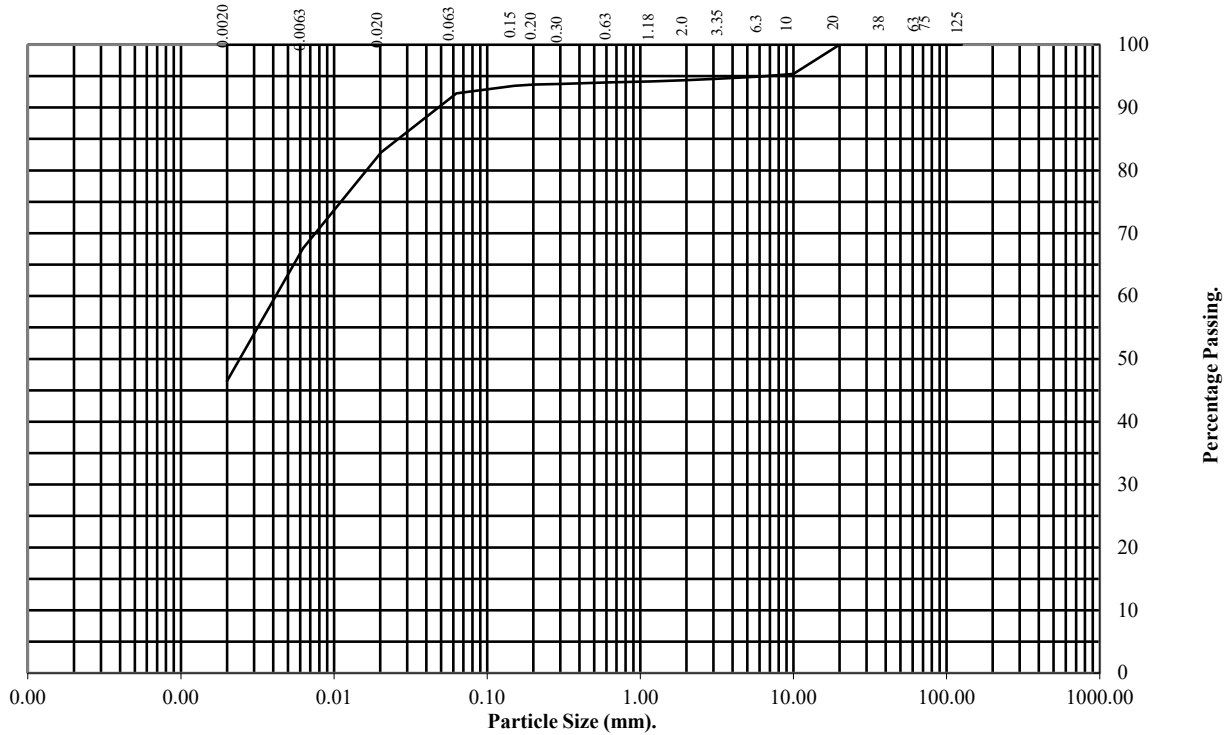
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-10** Top Depth (m): **6.00**

Sample Number: **15** Base Depth (m): **6.50**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	95
6.3	95
3.35	95
2	94
1.18	94
0.63	94
0.3	94
0.2	94
0.15	93
0.063	92

Particle Diameter	Percentage Passing
0.020	83
0.0063	68
0.0020	46
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	6
Sand	2
Silt	46
Clay	46

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7201
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

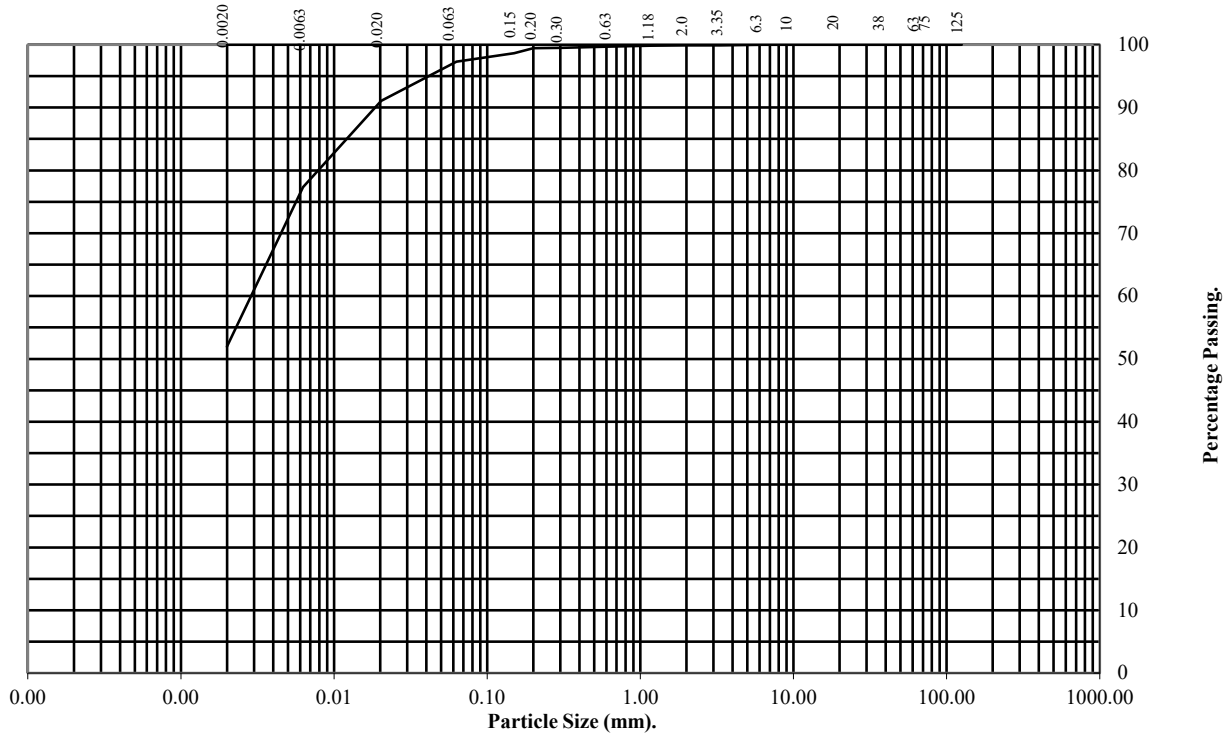
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **BH24-10** Top Depth (m): **9.00**

Sample Number: **20** Base Depth (m): **9.45**

Sample Type: **U**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	100
0.63	100
0.3	100
0.2	99
0.15	99
0.063	97

Particle Diameter	Percentage Passing
0.020	91
0.0063	77
0.0020	52
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	3
Silt	45
Clay	52

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7201
Client Ref:
24/3980

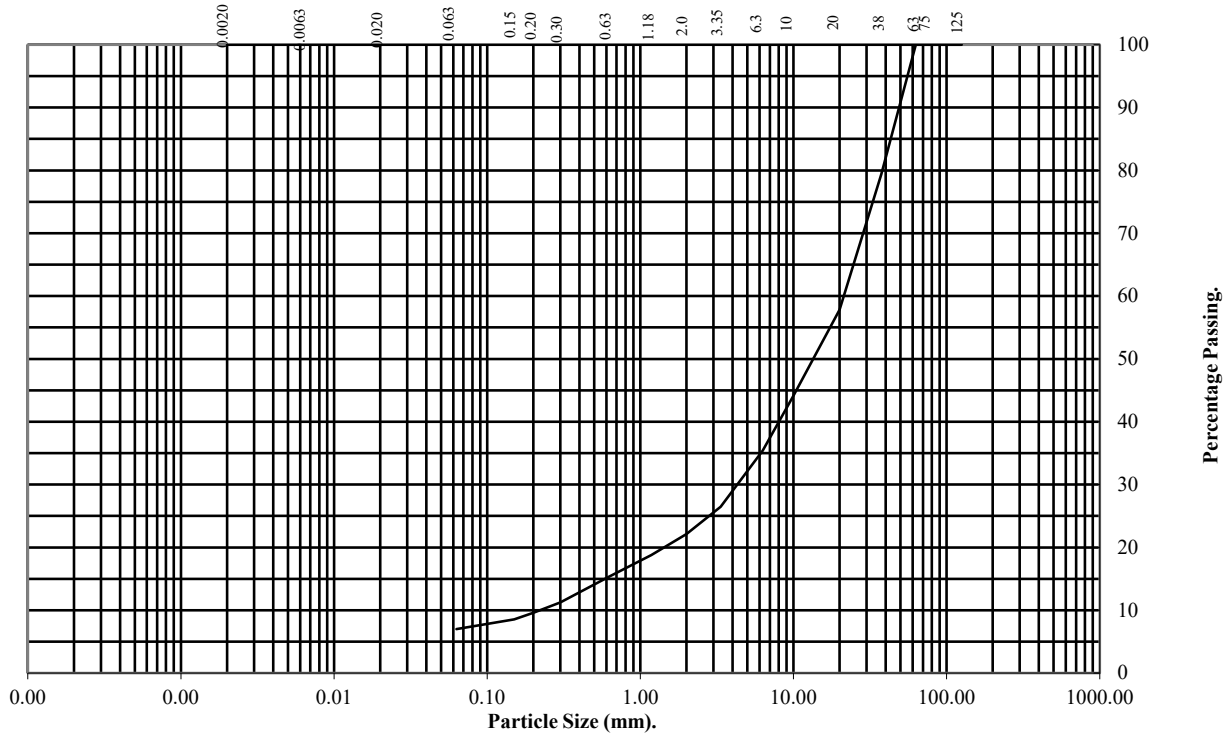
PARTICLE SIZE DISTRIBUTION TEST

BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016
Sieve Method, Clause 5.2

Hole Number: **DS24-01** Top Depth (m): **0.30**

Sample Number: **1** Base Depth (m): **0.65**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	79
20	58
10	44
6.3	35
3.35	26
2	22
1.18	19
0.63	15
0.3	11
0.2	10
0.15	9
0.063	7

Soil Fraction	Total Percentage
Cobbles	0
Gravel	78
Sand	15
Silt/Clay	7

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7202
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

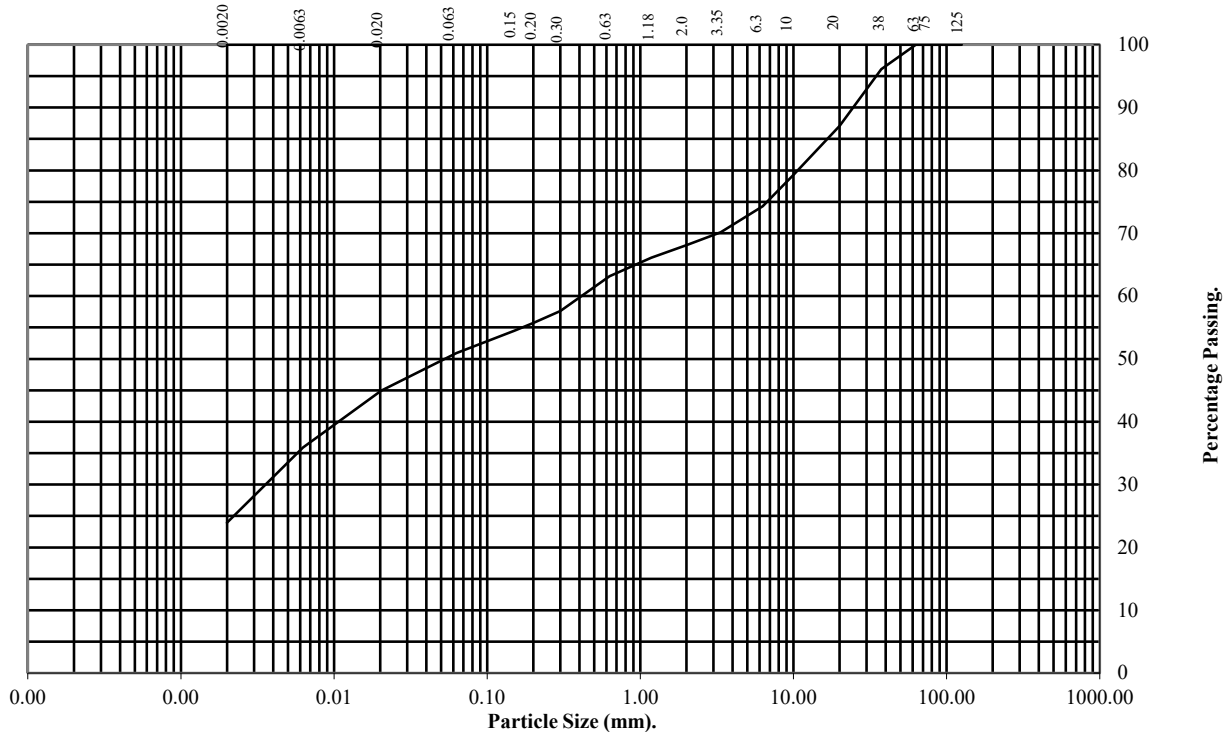
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **DS24-05** **Top Depth (m):** **1.20**

Sample Number: **5** **Base Depth (m):**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	96
20	87
10	79
6.3	74
3.35	70
2	68
1.18	66
0.63	63
0.3	58
0.2	56
0.15	54
0.063	51

Particle Diameter	Percentage Passing
0.020	45
0.0063	36
0.0020	24
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	32
Sand	17
Silt	27
Clay	24

Remarks:
See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7202
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

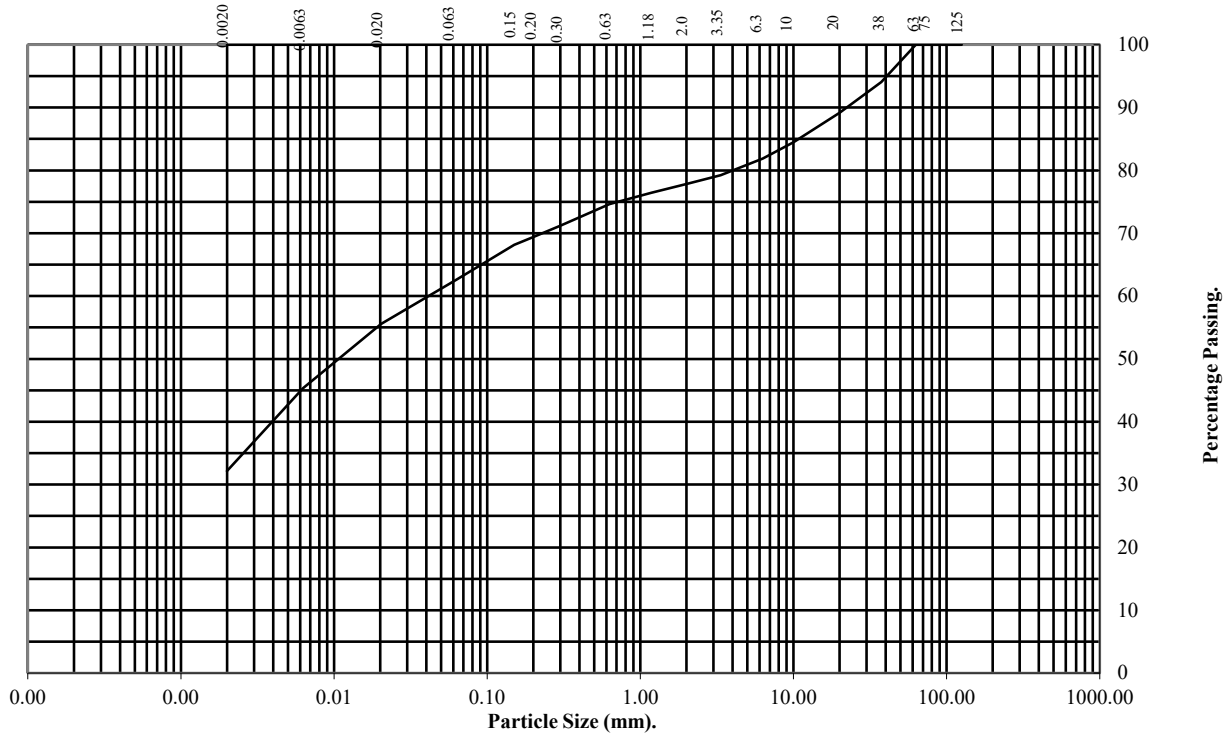
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **DS24-07** **Top Depth (m):** **0.30**

Sample Number: **1** **Base Depth (m):** **0.50**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	94
20	89
10	84
6.3	82
3.35	79
2	78
1.18	76
0.63	75
0.3	71
0.2	69
0.15	68
0.063	63

Particle Diameter	Percentage Passing
0.020	56
0.0063	45
0.0020	32
<i>Particle Density - 2.65 Mg/m3 assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	22
Sand	15
Silt	31
Clay	32

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7202
Client Ref:
24/3980

PARTICLE SIZE DISTRIBUTION TEST

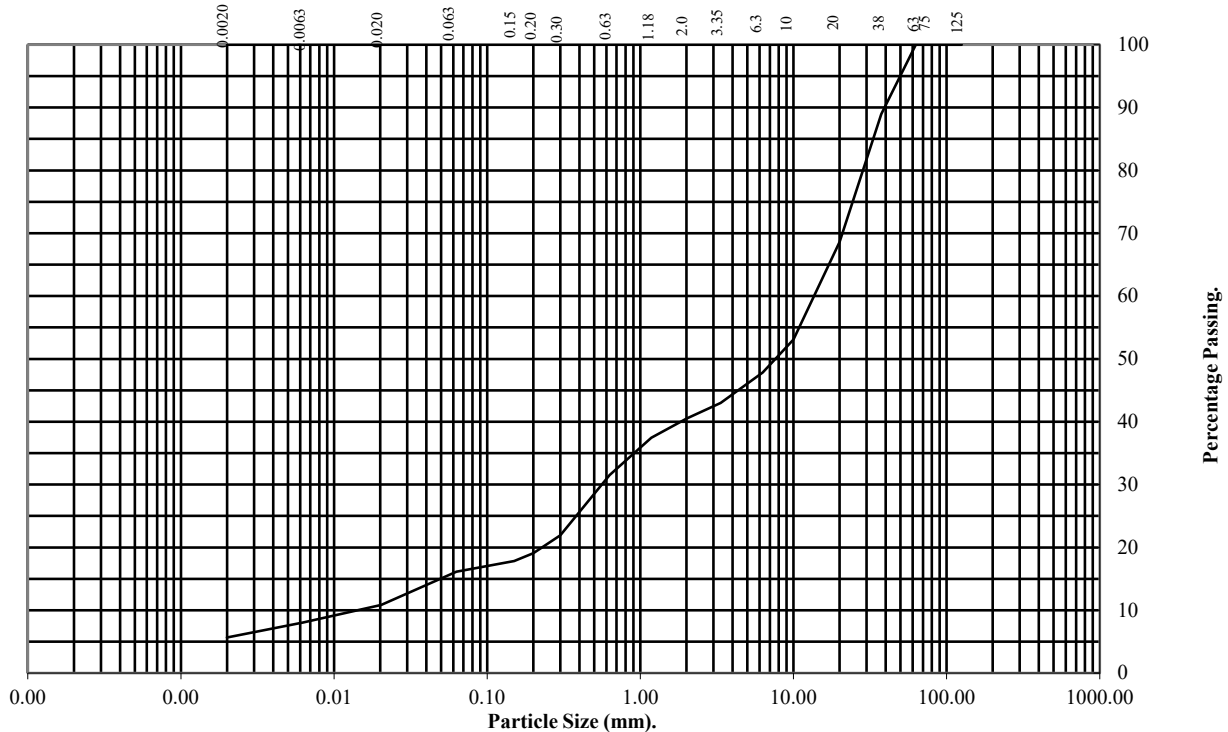
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2 & Pipette Method, Clause 5.4

Hole Number: **DS24-07** Top Depth (m): **0.70**

Sample Number: **3** Base Depth (m): **0.90**

Sample Type: **B**



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	89
20	69
10	53
6.3	48
3.35	43
2	40
1.18	37
0.63	32
0.3	22
0.2	19
0.15	18
0.063	16

Particle Diameter	Percentage Passing
0.020	11
0.0063	8
0.0020	6
<i>Particle Density - 2.65 Mg/m³ assumed</i>	

Soil Fraction	Total Percentage
Cobbles	0
Gravel	60
Sand	24
Silt	10
Clay	6

Remarks:

See Summary of Soil Descriptions



Thorney Lane Phase 1 Due Diligence

Contract No:
PSL24/7202
Client Ref:
24/3980



Final Report

Report No.: 24-30776-1

Initial Date of Issue: 03-Oct-2024

Re-Issue Details:

Client Concept Engineering Consultants

Client Address:
Unit D
Herald Way Binley Industrial Estate
Coventry
CV3 2RQ

Contact(s): Kasia Mazerant
Lab

Project 24/3980 Thorney Lane Phase 1

Quotation No.: Q24-33724 **Date Received:** 24-Sep-2024

Order No.: 103602 (L3317) **Date Instructed:** 24-Sep-2024

No. of Samples: 14

Turnaround (Wkdays): 5 **Results Due:** 30-Sep-2024

Date Approved: 02-Oct-2024

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Soil

Project: 24/3980 Thorney Lane Phase 1

Client: Concept Engineering Consultants		Chemtest Job No.: 24-30776 24-30776 24-30776 24-30776 24-30776 24-30776 24-30776 24-30776 24-30776											
Quotation No.: Q24-33724		Chemtest Sample ID.: 1871039 1871040 1871041 1871042 1871043 1871044 1871045 1871046											
Order No.: 103602 (L3317)		Client Sample Ref.: 1 11 15 28 42 53 60 5											
		Sample Location: BH24-01 BH24-01 BH24-01 BH24-01 BH24-01 BH24-01 BH24-01 BH24-01 BH24-01 BH24-02											
		Sample Type: SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL											
		Top Depth (m): 0.25 3.50 5.00 10.20 15.50 19.50 22.20 0.70											
		Bottom Depth (m): 0.40 3.95 5.45 19.95 0.90											
		Date Sampled: 19-Sep-2024 19-Sep-2024 19-Sep-2024 19-Sep-2024 19-Sep-2024 19-Sep-2024 19-Sep-2024 19-Sep-2024 19-Sep-2024											
Determinand	HWOL Code	Accred.	SOP	Units	LOD								
Moisture		N	2030	%	0.020	13	16	18	18	18	17	12	11
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	None	None	None	None	None	None	Stones
Soil Texture		N	2040		N/A	Loam	Clay	Clay	Clay	Clay	Clay	Clay	Loam
pH (2.5:1) at 20C		N	2010		4.0	10.3	8.5	8.7	8.5	8.9	8.9	8.7	9.6
Magnesium (Water Soluble)		N	2120	g/l	0.010	< 0.010	0.015	0.014	0.033	0.022	0.094	0.053	< 0.010
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.70	0.23	0.16	0.41	0.30	1.3	0.76	0.36
Total Sulphur		U	2175	%	0.010	0.28	0.31	0.47	0.33	0.38	1.2	0.93	0.22
Chloride (Water Soluble)		M	2220	g/l	0.010	0.020	0.014	0.014	0.056	0.030	0.071	0.057	0.011
Nitrate (Water Soluble)		N	2220	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.015
Sulphate (Acid Soluble)		U	2430	%	0.010	0.32	0.013	0.032	0.084	0.061	0.38	0.13	0.31

Results - Soil

Project: 24/3980 Thorney Lane Phase 1

Client: Concept Engineering Consultants		Chemtest Job No.:											
		24-30776		24-30776		24-30776		24-30776		24-30776			
Quotation No.: Q24-33724		Chemtest Sample ID.:											
		1871047		1871048		1871049		1871050		1871051		1871052	
Order No.: 103602 (L3317)		Client Sample Ref.:											
		10		15		21		27		33		41	
		Sample Location:											
		BH24-02		BH24-02		BH24-02		BH24-02		BH24-02		BH24-02	
		Sample Type:											
		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Top Depth (m):											
		2.00		4.20		6.50		8.70		11.00		14.00	
		Bottom Depth (m):											
		2.45											
		Date Sampled:											
		19-Sep-2024		19-Sep-2024		19-Sep-2024		19-Sep-2024		19-Sep-2024		19-Sep-2024	
Determinand	HWOL Code	Accred.	SOP	Units	LOD								
Moisture		N	2030	%	0.020	18	17	15	18	20	14		
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown		
Other Material		N	2040		N/A	None	None	None	None	None	None		
Soil Texture		N	2040		N/A	Clay	Clay	Clay	Clay	Clay	Clay		
pH (2.5:1) at 20C		N	2010		4.0	8.7	8.4	8.6	8.8	8.6	8.8		
Magnesium (Water Soluble)		N	2120	g/l	0.010	0.027	0.027	0.033	0.022	0.029	0.020		
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.43	0.32	0.44	0.27	0.38	0.29		
Total Sulphur		U	2175	%	0.010	0.64	0.34	0.72	0.36	0.30	0.34		
Chloride (Water Soluble)		M	2220	g/l	0.010	0.012	< 0.010	0.020	0.021	0.037	0.030		
Nitrate (Water Soluble)		N	2220	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010		
Sulphate (Acid Soluble)		U	2430	%	0.010	0.094	0.044	0.043	0.045	0.067	0.039		

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'AquaKem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.

Any comments or interpretations are outside the scope of UKAS accreditation.

The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.

Uncertainty of measurement for the determinands tested are available upon request .

None of the results in this report have been recovery corrected.

All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.

All water samples will be retained for 14 days from the date of receipt.

Charges may apply to extended sample storage.

Water Sample Category Key for Accreditation

- DW - Drinking Water
- GW - Ground Water
- LE - Land Leachate
- NA - Not Applicable

Report Information

PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Final Report

Report No.: 24-30779-1

Initial Date of Issue: 03-Oct-2024

Re-Issue Details:

Client Concept Engineering Consultants

Client Address: Unit D
Herald Way Binley Industrial Estate
Coventry
CV3 2RQ

Contact(s): Kasia Mazerant
Lab

Project 24/3980 Thorney Lane Phase 1

Quotation No.: Q24-33724 **Date Received:** 24-Sep-2024

Order No.: 103603 (L3318) **Date Instructed:** 24-Sep-2024

No. of Samples: 21

Turnaround (Wkdays): 5 **Results Due:** 30-Sep-2024

Date Approved: 02-Oct-2024

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Soil

Project: 24/3980 Thorney Lane Phase 1

Client: Concept Engineering Consultants		Chemtest Job No.:		24-30779	24-30779	24-30779	24-30779	24-30779	24-30779	24-30779	24-30779	24-30779	
Quotation No.: Q24-33724		Chemtest Sample ID.:		1871056	1871057	1871058	1871059	1871060	1871061	1871062	1871063	1871063	
Order No.: 103603 (L3318)		Client Sample Ref.:		1	3	4	11	20	31	41	48	48	
		Sample Location:		BH24-03	BH24-03	BH24-03	BH24-03	BH24-03	BH24-03	BH24-03	BH24-03	BH24-03	
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
		Top Depth (m):		0.20	0.50	0.90	3.00	6.50	12.50	18.50	22.50	22.50	
		Bottom Depth (m):		0.60		1.20	3.45	6.95		18.95	22.95	22.95	
		Date Sampled:		20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	
Determinand	HWOL Code	Accred.	SOP	Units	LOD								
Moisture		N	2030	%	0.020	8.7	11	19	16	16	5.3	17	20
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	Stones	Stones	None	None	Stones	None	None
Soil Texture		N	2040		N/A	Loam	Clay	Clay	Clay	Clay	Clay	Clay	Clay
pH (2.5:1) at 20C		N	2010		4.0	8.4	8.4	8.1	8.4	8.4	8.5	9.0	8.2
Magnesium (Water Soluble)		N	2120	g/l	0.010	< 0.010	< 0.010	0.011	0.021	0.038	0.037	0.016	0.025
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.085	0.11	0.34	0.38	0.46	0.28	0.19	0.48
Total Sulphur		U	2175	%	0.010	0.030	0.030	0.070	0.49	0.44	0.41	0.29	0.48
Chloride (Water Soluble)		M	2220	g/l	0.010	< 0.010	< 0.010	< 0.010	0.016	0.032	< 0.010	0.026	0.088
Nitrate (Water Soluble)		N	2220	g/l	0.010	< 0.010	< 0.010	0.034	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Sulphate (Acid Soluble)		U	2430	%	0.010	0.010	0.028	0.16	0.11	0.086	0.047	0.064	0.073

Results - Soil

Project: 24/3980 Thorney Lane Phase 1

Client: Concept Engineering Consultants		Chemtest Job No.:											
		24-30779	24-30779	24-30779	24-30779	24-30779	24-30779	24-30779	24-30779	24-30779	24-30779		
Quotation No.: Q24-33724		Chemtest Sample ID.:											
		1871064	1871065	1871066	1871067	1871068	1871069	1871070	1871071				
Order No.: 103603 (L3318)		Client Sample Ref.:											
		52	59	5	1	5	18	22	4				
		Sample Location:											
		BH24-03	BH24-03	BH24-04	BH24-04A	BH24-04A	BH24-04A	BH24-04A	BH24-05				
		Sample Type:											
		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL				
		Top Depth (m):											
		24.50	29.00	0.90	0.30	0.90	6.00	7.50	1.60				
		Bottom Depth (m):											
		24.95	29.45	1.10	0.50	1.20		7.95	2.10				
		Date Sampled:											
		20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024		
Determinand	HWOL Code	Accred.	SOP	Units	LOD								
Moisture		N	2030	%	0.020	14	19	12	14	14	19	13	20
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	None	None	Stones	Stones	Stones	None	None	Stones
Soil Texture		N	2040		N/A	Clay	Clay	Clay	Clay	Loam	Clay	Clay	Clay
pH (2.5:1) at 20C		N	2010		4.0	8.2	8.1	8.2	8.6	9.6	8.3	8.6	10.2
Magnesium (Water Soluble)		N	2120	g/l	0.010	0.052	0.022	< 0.010	< 0.010	< 0.010	0.046	0.030	< 0.010
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.70	0.40	0.048	0.11	0.45	0.60	0.38	0.50
Total Sulphur		U	2175	%	0.010	1.0	0.72	0.050	0.040	0.22	0.43	0.32	0.12
Chloride (Water Soluble)		M	2220	g/l	0.010	0.033	0.057	< 0.010	< 0.010	0.022	< 0.010	< 0.010	0.014
Nitrate (Water Soluble)		N	2220	g/l	0.010	< 0.010	< 0.010	< 0.010	0.030	0.022	< 0.010	< 0.010	< 0.010
Sulphate (Acid Soluble)		U	2430	%	0.010	0.21	0.15	0.025	0.044	0.20	0.18	0.041	0.17

Results - Soil

Project: 24/3980 Thorney Lane Phase 1

Client: Concept Engineering Consultants		Chemtest Job No.:										
		24-30779			24-30779		24-30779		24-30779		24-30779	
Quotation No.: Q24-33724		Chemtest Sample ID.:										
		1871072			1871073		1871074		1871075		1871076	
Order No.: 103603 (L3318)		Client Sample Ref.:										
		7			24		32		43		46	
		Sample Location:										
		BH24-05			BH24-05		BH24-05		BH24-05		BH24-05	
		Sample Type:										
		SOIL			SOIL		SOIL		SOIL		SOIL	
		Top Depth (m):										
		3.00			12.00		18.00		23.50		25.50	
		Bottom Depth (m):										
		3.50			12.45				23.95		25.95	
		Date Sampled:										
		20-Sep-2024			20-Sep-2024		20-Sep-2024		20-Sep-2024		20-Sep-2024	
Determinand	HWOL Code	Accred.	SOP	Units	LOD							
Moisture		N	2030	%	0.020	18	17	18	15	19		
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown		
Other Material		N	2040		N/A	Stones	None	None	None	None		
Soil Texture		N	2040		N/A	Clay	Clay	Clay	Clay	Clay		
pH (2.5:1) at 20C		N	2010		4.0	8.5	8.4	8.2	8.4	8.4		
Magnesium (Water Soluble)		N	2120	g/l	0.010	0.017	0.039	0.050	0.038	0.059		
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.011	0.45	0.65	0.60	0.87		
Total Sulphur		U	2175	%	0.010	0.010	0.38	0.36	0.75	0.50		
Chloride (Water Soluble)		M	2220	g/l	0.010	< 0.010	0.014	0.027	0.061	0.076		
Nitrate (Water Soluble)		N	2220	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010		
Sulphate (Acid Soluble)		U	2430	%	0.010	< 0.010	0.076	0.19	0.12	0.16		

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'AquaKem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.	

Report Information

Key

U	UKAS accredited
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N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.

Any comments or interpretations are outside the scope of UKAS accreditation.

The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.

Uncertainty of measurement for the determinands tested are available upon request .

None of the results in this report have been recovery corrected.

All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.

All water samples will be retained for 14 days from the date of receipt.

Charges may apply to extended sample storage.

Water Sample Category Key for Accreditation

- DW - Drinking Water
- GW - Ground Water
- LE - Land Leachate
- NA - Not Applicable

Report Information

PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Final Report

Report No.: 24-30736-1

Initial Date of Issue: 02-Oct-2024

Re-Issue Details:

Client Concept Engineering Consultants

Client Address:
Unit D
Herald Way Binley Industrial Estate
Coventry
CV3 2RQ

Contact(s): Kasia Mazerant
Lab

Project 24/3980 Thorney Lane Phase 1 Due
Dilligence

Quotation No.: Q24-33724 **Date Received:** 24-Sep-2024

Order No.: 103604 (L3319) **Date Instructed:** 24-Sep-2024

No. of Samples: 15

Turnaround (Wkdays): 5 **Results Due:** 30-Sep-2024

Date Approved: 02-Oct-2024

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Soil

Project: 24/3980 Thorney Lane Phase 1 Due Dilligence

Client: Concept Engineering Consultants		Chemtest Job No.:										
		24-30736	24-30736	24-30736	24-30736	24-30736	24-30736	24-30736	24-30736	24-30736	24-30736	24-30736
Quotation No.: Q24-33724		Chemtest Sample ID.:										
		1870874	1870875	1870876	1870877	1870878	1870879	1870880	1870881	1870882	1870883	1870884
Order No.: 103604 (L3319)		Client Sample Ref.:										
		1	14	19	22	26	30	39	48	57	66	75
		Sample Location:										
		BH24-08	BH24-08	BH24-08	BH24-08	BH24-08	BH24-08	BH24-08	BH24-08	BH24-08	BH24-08	BH24-08
		Sample Type:										
		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):										
		0.30	3.00	6.50	8.00	10.50	12.50	17.00	21.50	26.00	30.50	35.00
		Bottom Depth (m):										
		0.50			8.45	10.95						
		Date Sampled:										
		20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024	20-Sep-2024
Determinand	HWOL Code	Accred.	SOP	Units	LOD							
Moisture		N	2030	%	0.020	22	13	15	16	18	19	18
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	None	None	None	None	None	Stones
Soil Texture		N	2040		N/A	Loam	Clay	Clay	Clay	Clay	Clay	Clay
pH (2.5:1) at 20C		N	2010		4.0	10.3	8.7	8.6	8.7	8.9	8.7	8.8
Magnesium (Water Soluble)		N	2120	g/l	0.010	< 0.010	0.031	0.026	0.015	0.017	0.018	0.016
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	1.1	0.36	0.37	0.17	0.19	0.14	0.23
Total Sulphur		U	2175	%	0.010	0.28	0.41	0.35	0.37	0.34	0.26	0.46
Chloride (Water Soluble)		M	2220	g/l	0.010	0.061	0.015	0.056	0.016	0.024	0.013	0.015
Nitrate (Water Soluble)		N	2220	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Sulphate (Acid Soluble)		U	2430	%	0.010	0.47	0.071	0.056	0.044	0.050	0.052	0.039

Results - Soil

Project: 24/3980 Thorney Lane Phase 1 Due Dilligence

Client: Concept Engineering Consultants		Chemtest Job No.:											
		24-30736		24-30736		24-30736		24-30736		24-30736		24-30736	
Quotation No.: Q24-33724		Chemtest Sample ID.:											
		1870882		1870883		1870884		1870885		1870886		1870887	
Order No.: 103604 (L3319)		Client Sample Ref.:											
		52		57		62		64		4		13	
		Sample Location:											
		BH24-08		BH24-08		BH24-08		BH24-08		BH24-10		BH24-10	
		Sample Type:											
		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Top Depth (m):											
		23.00		26.00		27.50		29.00		0.90		5.00	
		Bottom Depth (m):											
		23.45				27.95		29.45		1.20		9.95	
		Date Sampled:											
		20-Sep-2024		20-Sep-2024		20-Sep-2024		20-Sep-2024		20-Sep-2024		20-Sep-2024	
Determinand	HWOL Code	Accred.	SOP	Units	LOD								
Moisture		N	2030	%	0.020	11	9.4	11	17	12	19	21	
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	
Other Material		N	2040		N/A	Stones	Stones	Stones	None	Stones	None	None	
Soil Texture		N	2040		N/A	Clay	Clay	Clay	Clay	Clay	Clay	Clay	
pH (2.5:1) at 20C		N	2010		4.0	8.5	8.1	8.4	8.4	8.4	8.1	8.6	
Magnesium (Water Soluble)		N	2120	g/l	0.010	0.045	0.073	< 0.010	< 0.010	< 0.010	0.011	< 0.010	
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.61	1.2	< 0.010	0.10	0.14	0.11	0.10	
Total Sulphur		U	2175	%	0.010	0.97	0.80	0.010	0.080	0.030	0.34	0.27	
Chloride (Water Soluble)		M	2220	g/l	0.010	0.028	0.11	< 0.010	< 0.010	0.018	0.012	0.013	
Nitrate (Water Soluble)		N	2220	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.011	< 0.010	< 0.010	
Sulphate (Acid Soluble)		U	2430	%	0.010	0.16	0.23	0.021	0.021	0.034	0.016	0.034	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'AquaKem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.	

Report Information

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None of the results in this report have been recovery corrected.

All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.

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Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.

All water samples will be retained for 14 days from the date of receipt.

Charges may apply to extended sample storage.

Water Sample Category Key for Accreditation

- DW - Drinking Water
- GW - Ground Water
- LE - Land Leachate
- NA - Not Applicable

Report Information

PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Final Report

Report No.: 24-30534-1

Initial Date of Issue: 26-Sep-2024

Re-Issue Details:

Client Concept Engineering Consultants

Client Address: Unit D
Herald Way Binley Industrial Estate
Coventry
CV3 2RQ

Contact(s): Kasia Mazerant
Lab

Project 24/3980 Thorney Lane Phase 1 Due Diligence

Quotation No.: Q24-33724 **Date Received:** 23-Sep-2024

Order No.: 103582 (L3311) **Date Instructed:** 23-Sep-2024

No. of Samples: 12

Turnaround (Wkdays): 5 **Results Due:** 27-Sep-2024

Date Approved: 26-Sep-2024

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Soil

Project: 24/3980 Thorney Lane Phase 1 Due Diligence

Client: Concept Engineering Consultants		Chemtest Job No.:											
		24-30534	24-30534	24-30534	24-30534	24-30534	24-30534	24-30534	24-30534	24-30534	24-30534	24-30534	
Chemtest Sample ID.:		1870104	1870105	1870106	1870107	1870108	1870109	1870110	1870111				
Client Sample Ref.:		4	16	34	4	11	53	60	12				
Sample Location:		BH24-06	BH24-06	BH24-06	BH24-07	BH24-07	BH24-07	BH24-07	BH24-09				
Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL				
Top Depth (m):		0.50	2.50	12.00	3.00	6.50	23.70	26.00	2.50				
Bottom Depth (m):		0.80	3.00	12.45	3.45	6.95		26.45	3.00				
Date Sampled:		19-Sep-2024	19-Sep-2024	19-Sep-2024	19-Sep-2024	19-Sep-2024	19-Sep-2024	19-Sep-2024	19-Sep-2024	19-Sep-2024	19-Sep-2024	19-Sep-2024	
Determinand	HWOL Code	Accred.	SOP	Units	LOD								
Moisture		N	2030	%	0.020	11	4.8	19	18	15	9.5	12	23
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones and Roots	Stones	None	None	None	Stones	Stones	None
Soil Texture		N	2040		N/A	Loam	Sand	Clay	Clay	Clay	Loam	Loam	Clay
pH (2.5:1) at 20C		N	2010		4.0	9.8	9.9	8.9	8.0	8.4	8.0	9.1	8.0
Magnesium (Water Soluble)		N	2120	g/l	0.010	< 0.010	< 0.010	0.012	< 0.010	0.030	0.063	0.010	< 0.010
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.26	0.019	0.19	0.069	0.45	0.96	0.15	0.13
Total Sulphur		U	2175	%	0.010	0.24	0.030	0.30	0.080	0.34	1.6	0.19	0.050
Chloride (Water Soluble)		M	2220	g/l	0.010	0.017	< 0.010	0.022	< 0.010	0.010	0.088	< 0.010	0.027
Nitrate (Water Soluble)		N	2220	g/l	0.010	0.018	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Sulphate (Acid Soluble)		U	2430	%	0.010	0.21	< 0.010	0.065	0.019	0.094	0.35	0.070	0.032

Results - Soil

Project: 24/3980 Thorney Lane Phase 1 Due Diligence

Client: Concept Engineering Consultants		Chemtest Job No.:							
		24-30534		24-30534		24-30534		24-30534	
Quotation No.: Q24-33724		Chemtest Sample ID.:							
		1870112		1870113		1870114		1870115	
Order No.: 103582 (L3311)		Client Sample Ref.:							
		46		1		5		3	
		Sample Location:							
		BH24-09		DS24-01		DS24-05		DS24-07	
		Sample Type:							
		SOIL		SOIL		SOIL		SOIL	
		Top Depth (m):							
		19.00		0.30		1.20		0.70	
		Bottom Depth (m):							
				0.65				0.90	
		Date Sampled:							
		19-Sep-2024		19-Sep-2024		19-Sep-2024		19-Sep-2024	
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
Moisture		N	2030	%	0.020	17	15	12	7.4
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	None	Stones	Stones	Stones
Soil Texture		N	2040		N/A	Clay	Loam	Clay	Sand
pH (2.5:1) at 20C		N	2010		4.0	8.8	9.7	8.5	8.4
Magnesium (Water Soluble)		N	2120	g/l	0.010	0.017	< 0.010	< 0.010	< 0.010
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.33	1.9	0.13	0.25
Total Sulphur		U	2175	%	0.010	0.58	0.37	0.070	0.030
Chloride (Water Soluble)		M	2220	g/l	0.010	0.014	0.011	< 0.010	< 0.010
Nitrate (Water Soluble)		N	2220	g/l	0.010	< 0.010	0.012	< 0.010	< 0.010
Sulphate (Acid Soluble)		U	2430	%	0.010	0.15	0.58	0.036	0.062

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'AquaKem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

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Uncertainty of measurement for the determinands tested are available upon request .

None of the results in this report have been recovery corrected.

All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.

All water samples will be retained for 14 days from the date of receipt.

Charges may apply to extended sample storage.

Water Sample Category Key for Accreditation

- DW - Drinking Water
- GW - Ground Water
- LE - Land Leachate
- NA - Not Applicable

Report Information

PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Final Report

Report No.: 24-30155-1

Initial Date of Issue: 24-Sep-2024

Re-Issue Details:

Client Concept Engineering Consultants

Client Address: Unit D
Herald Way Binley Industrial Estate
Coventry
CV3 2RQ

Contact(s): Kasia Mazerant
Lab

Project 24/3980 Thorney Lane Phase 1 Due
Dilligence

Quotation No.: Q24-33724 **Date Received:** 19-Sep-2024

Order No.: 103541 (L3309) **Date Instructed:** 19-Sep-2024

No. of Samples: 16

Turnaround (Wkdays): 5 **Results Due:** 25-Sep-2024

Date Approved: 24-Sep-2024

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Soil

Project: 24/3980 Thorney Lane Phase 1 Due Dilligence

Client: Concept Engineering Consultants		Chemtest Job No.:		24-30155	24-30155	24-30155	24-30155	24-30155	24-30155	24-30155	24-30155	24-30155
Quotation No.: Q24-33724		Chemtest Sample ID.:		1868422	1868423	1868424	1868425	1868426	1868427	1868428	1868429	
Order No.: 103541 (L3309)		Client Sample Ref.:		1	3	4	5	1	4	3	1	
		Sample Location:		BH24-01	BH24-02	BH24-02	BH24-02	BH24-03	BH24-03	BH24-04	BH24-04A	
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
		Top Depth (m):		0.25	0.50	0.50	0.70	0.20	0.90	0.70	0.30	
		Bottom Depth (m):		0.40		0.70	0.90	0.60	1.20	0.90	0.50	
		Date Sampled:		16-Sep-2024	16-Sep-2024	16-Sep-2024	16-Sep-2024	16-Sep-2024	16-Sep-2024	16-Sep-2024	16-Sep-2024	
		Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	
Determinand	HWOL Code	Accred.	SOP	Units	LOD							
ACM Type		U	2192		N/A	-	-	-	-	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

Results - Soil

Project: 24/3980 Thorney Lane Phase 1 Due Dilligence

Client: Concept Engineering Consultants		Chemtest Job No.:		24-30155	24-30155	24-30155	24-30155	24-30155	24-30155	24-30155	24-30155	24-30155
Quotation No.: Q24-33724		Chemtest Sample ID.:		1868430	1868431	1868432	1868433	1868434	1868435	1868436	1868437	
Order No.: 103541 (L3309)		Client Sample Ref.:		5	4	5	3	4	3	6	1	
		Sample Location:		BH24-04A	BH24-05	BH24-05	BH24-06	BH24-06	BH24-10	BH24-10	DS24-01	
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
		Top Depth (m):		0.90	1.60	2.00	0.50	0.50	0.50	1.50	0.30	
		Bottom Depth (m):		1.20	2.10			0.80		1.95	0.65	
		Date Sampled:		16-Sep-2024	16-Sep-2024	16-Sep-2024	16-Sep-2024	16-Sep-2024	16-Sep-2024	16-Sep-2024	16-Sep-2024	
		Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	
Determinand	HWOL Code	Accred.	SOP	Units	LOD							
ACM Type		U	2192		N/A	-	-	-	-	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	

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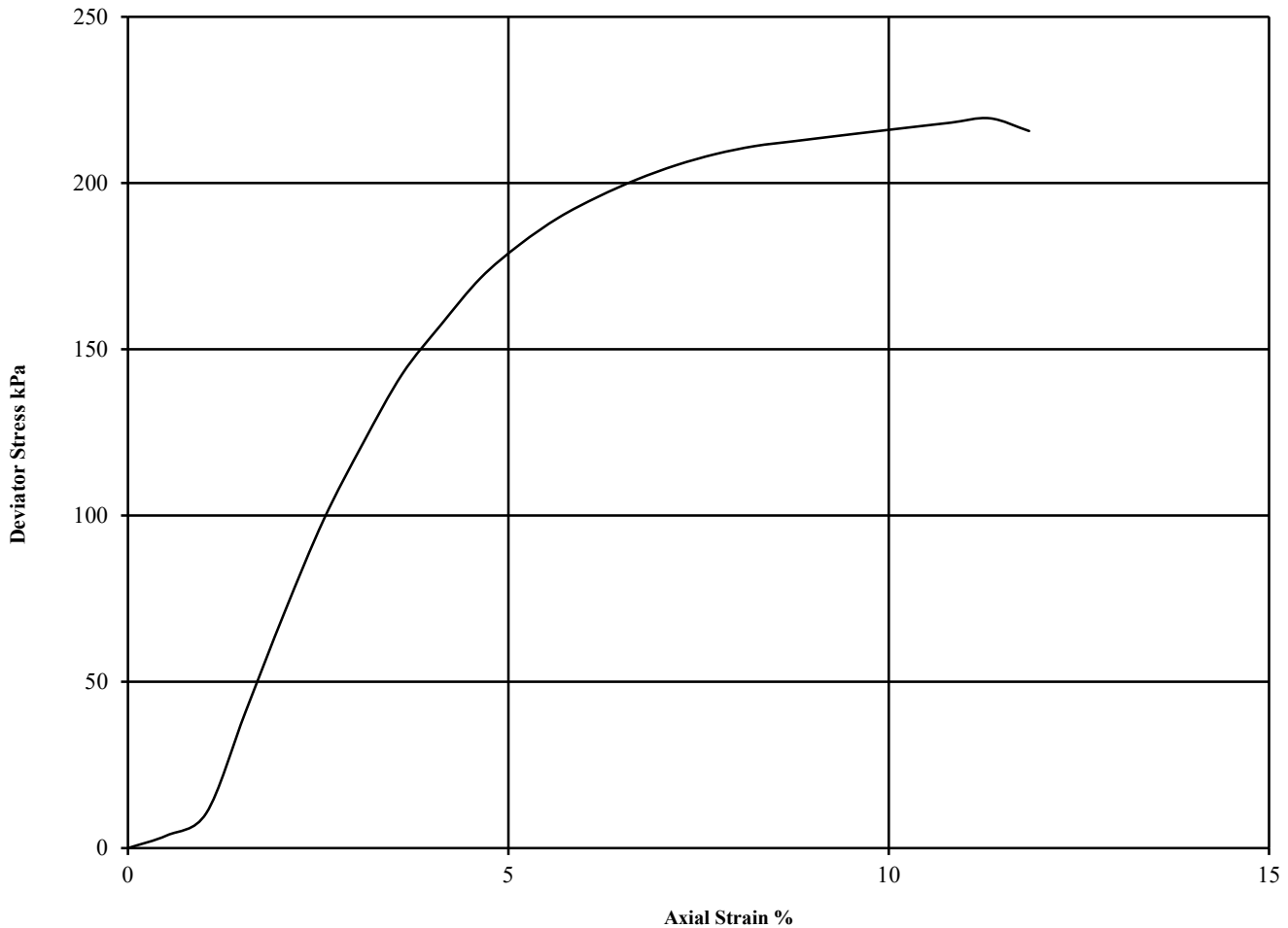
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#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

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customerservices@chemtest.com



UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BS 1377 - Part 2 : 2022 : Clause 28 in accordance with BS EN ISO 17892 - 8 : 2018

Hole Number: BH24-01 Top Depth (m): 3.00
 Sample Number 9 Base Depth (m): 3.45
 Sample Type U



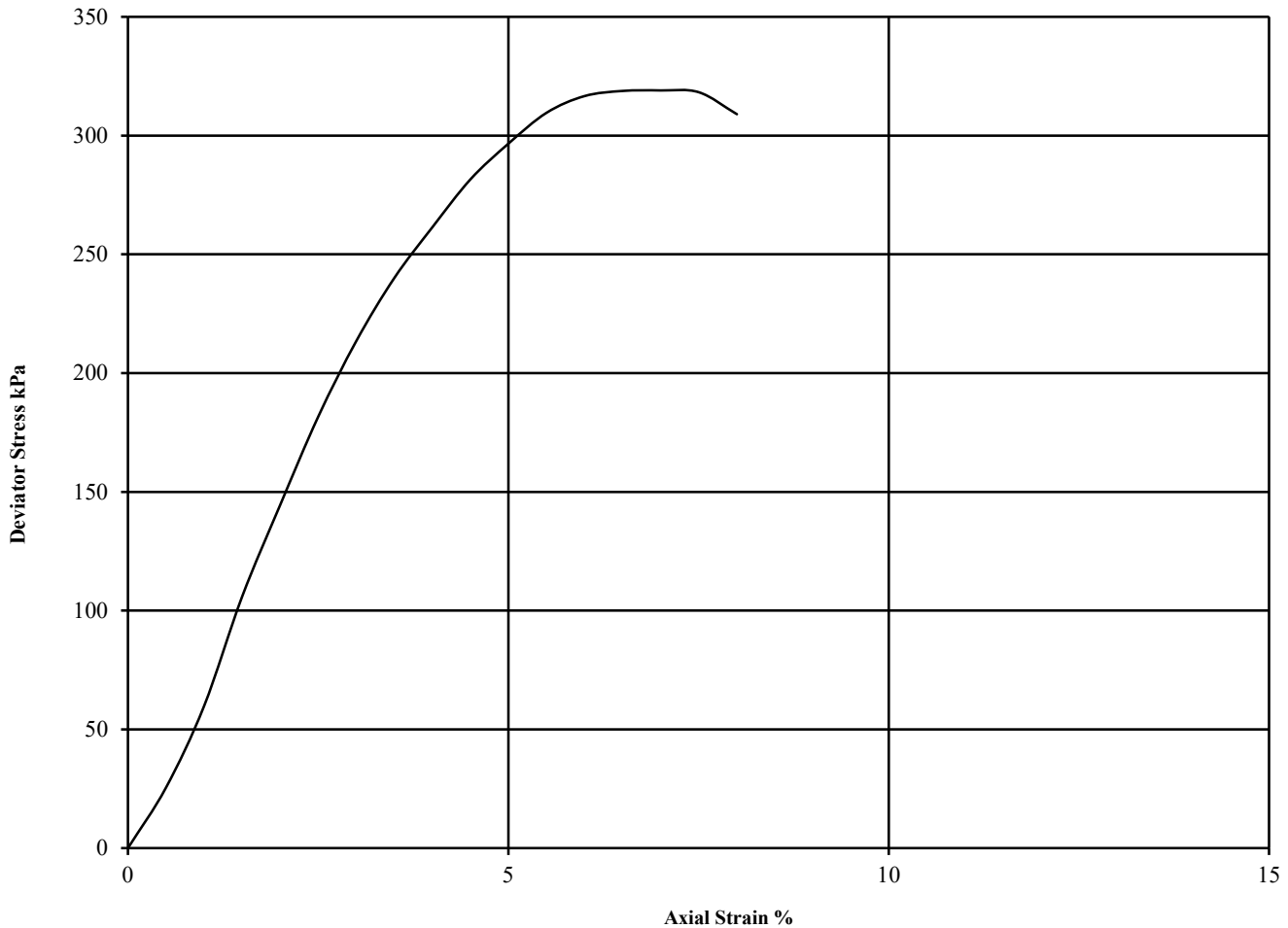
Diameter (mm):		Height (mm):			Test:	Remarks:		
Specimen	Water Content (%)	Bulk Density (Mg/m ³)	Dry Density (Mg/m ³)	Cell Pressure (kPa)	Corr. Max. Deviator Stress (kPa)	Shear Strength Cu (kPa)	Failure Strain (%)	Undisturbed Sample Sample taken from top of tube Rate of strain = 0.9 %/min See summary of soil descriptions
1	22.5	2.05	1.67	120	219	110	10.8	


 	Thorney Lane Phase 1 Due Diligence		Contract No:
			PSL24/7023
			Client Ref:
			24/3980

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BS 1377 - Part 2 : 2022 : Clause 28 in accordance with BS EN ISO 17892 - 8 : 2018

Hole Number: BH24-01 Top Depth (m): 4.50
 Sample Number 13 Base Depth (m): 4.95
 Sample Type U



Diameter (mm):		Height (mm):			Test:	UU Single Stage		Remarks:
Specimen	Water Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Corr. Max. Deviator Stress (kPa)	Shear Strength Cu (kPa)	Failure Strain (%)	 Undisturbed Sample Sample taken from top of tube Rate of strain = 0.9 %/min See summary of soil descriptions
1	25.6	2.13	1.70	180	319	160	6.5	



Thorney Lane Phase 1 Due Diligence

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PSL24/7023

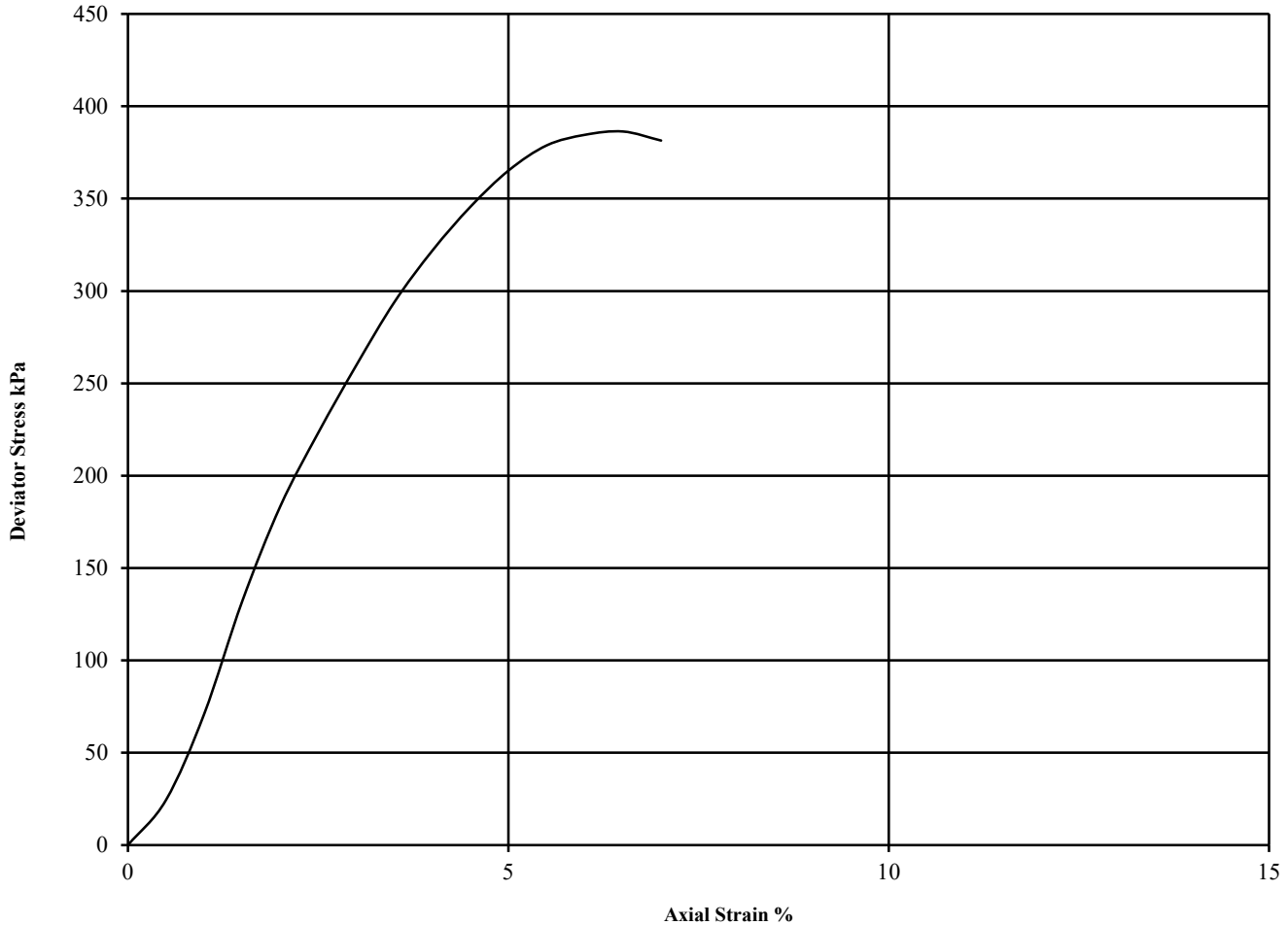
Client Ref:


24/3980

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BS 1377 - Part 2 : 2022 : Clause 28 in accordance with BS EN ISO 17892 - 8 : 2018

Hole Number:	BH24-01	Top Depth (m):	6.00
Sample Number	17	Base Depth (m):	6.45
Sample Type	U		



Diameter (mm):		102			Height (mm):		204		Test:	UU Single Stage	Remarks:
Specimen	Water Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Corr. Max. Deviator Stress (kPa)	Shear Strength Cu (kPa)	Failure Strain (%)			Undisturbed Sample Sample taken from top of tube Rate of strain = 0.9 %/min See summary of soil descriptions	
1	24.9	2.16	1.73	230	386	193	6.0				Brittle



Thorney Lane Phase 1 Due Diligence

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PSL24/7023

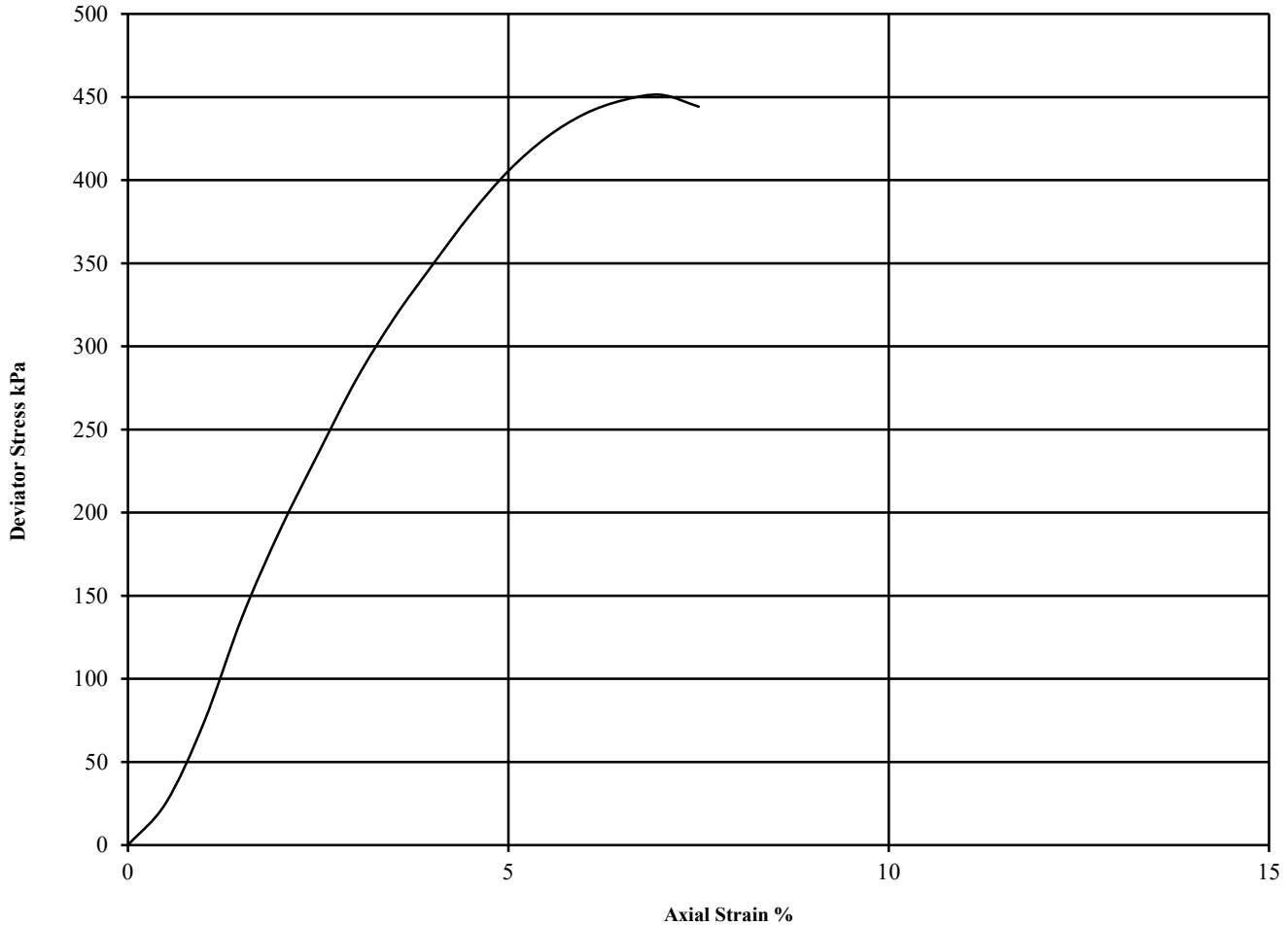
Client Ref:


24/3980

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BS 1377 - Part 2 : 2022 : Clause 28 in accordance with BS EN ISO 17892 - 8 : 2018

Hole Number: BH24-01 Top Depth (m): 7.50
 Sample Number 21 Base Depth (m): 7.95
 Sample Type U



Diameter (mm):		102		Height (mm):		204		Test:	UU Single Stage	Remarks:
Specimen	Water Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Corr. Max. Deviator Stress (kPa)	Shear Strength Cu (kPa)	Failure Strain (%)		Undisturbed Sample Sample taken from top of tube Rate of strain = 0.9 %/min See summary of soil descriptions	
1	24.3	2.19	1.76	270	451	226	6.5	Brittle		



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7023

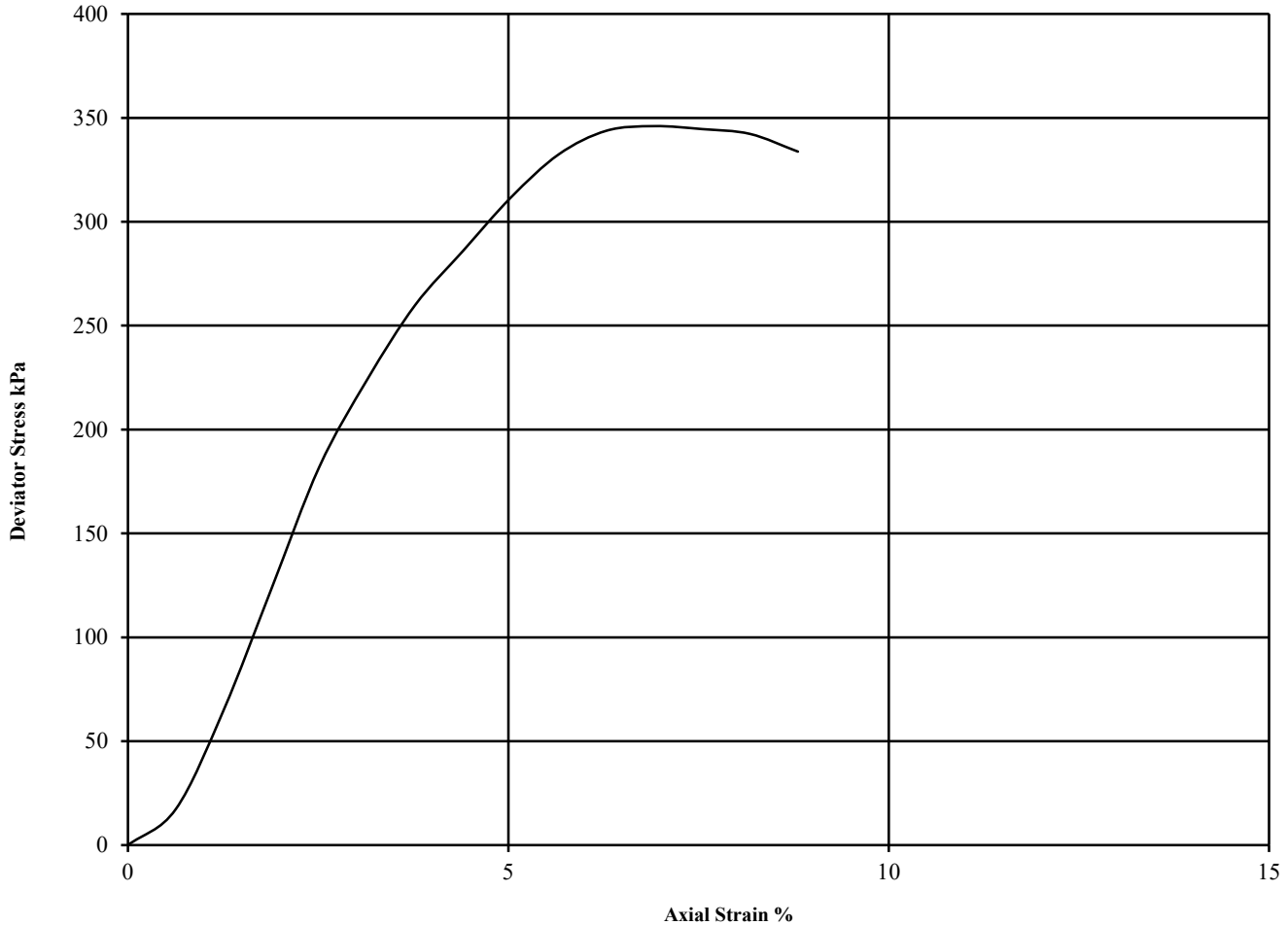
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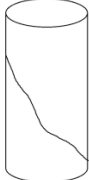
24/3980

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BS 1377 - Part 2 : 2022 : Clause 28 in accordance with BS EN ISO 17892 - 8 : 2018

Hole Number: BH24-01 Top Depth (m): 9.00
 Sample Number 25 Base Depth (m): 9.45
 Sample Type U



Diameter (mm):		105		Height (mm):		167		Test:	UU Single Stage	Remarks:
Specimen	Water Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Corr. Max. Deviator Stress (kPa)	Shear Strength Cu (kPa)	Failure Strain (%)	 Brittle	Undisturbed Sample Sample taken from top of tube Rate of strain = 1.1 %/min See summary of soil descriptions	
1	24.6	1.98	1.59	310	346	173	6.3			



Thorney Lane Phase 1 Due Diligence

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PSL24/7023

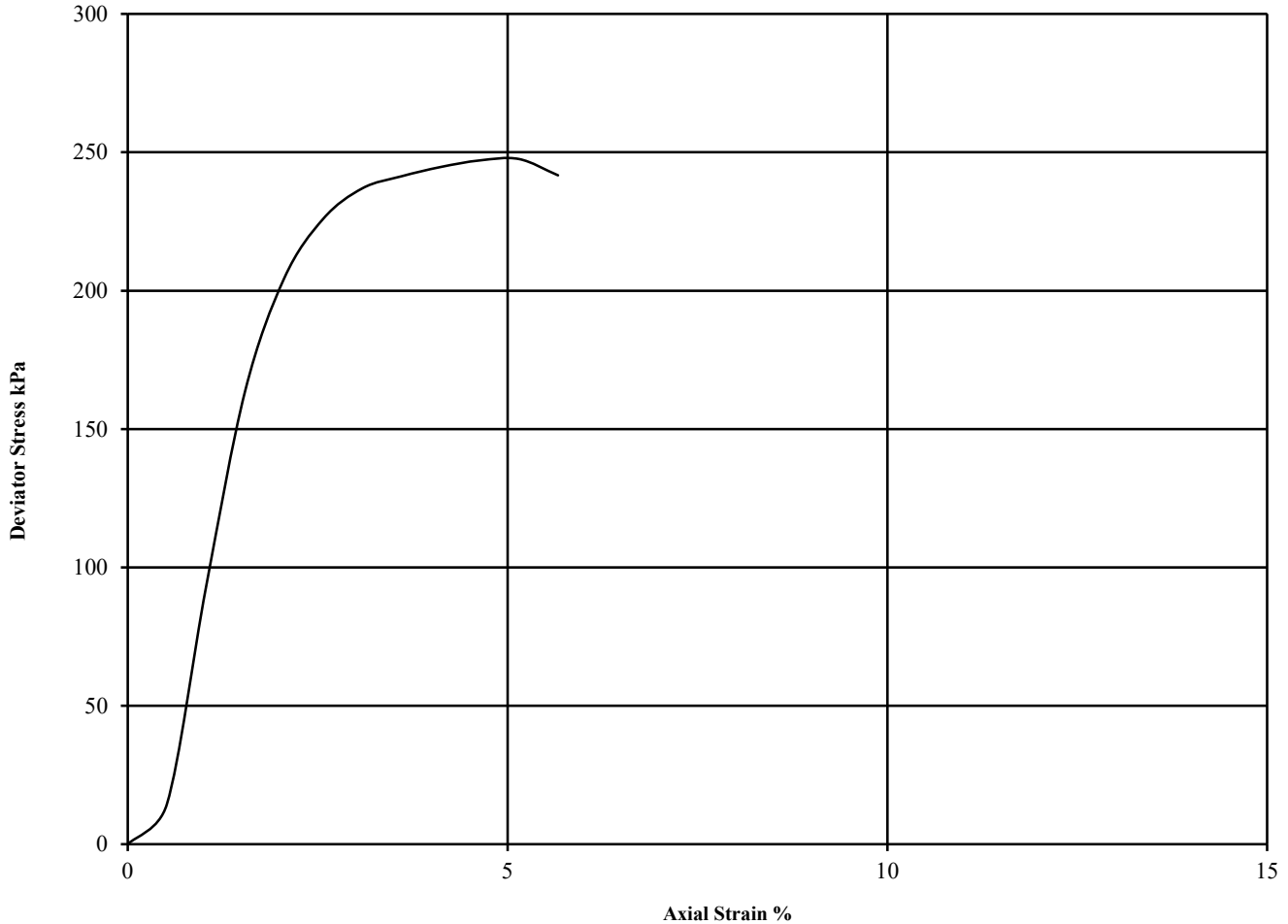
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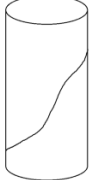
24/3980

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BS 1377 - Part 2 : 2022 : Clause 28 in accordance with BS EN ISO 17892 - 8 : 2018

Hole Number:	BH24-01	Top Depth (m):	10.50
Sample Number	29	Base Depth (m):	10.95
Sample Type	U		



Diameter (mm):		105		Height (mm):		204		Test:	UU Single Stage	Remarks:
Specimen	Water Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Corr. Max. Deviator Stress (kPa)	Shear Strength Cu (kPa)	Failure Strain (%)		Undisturbed Sample Sample taken from top of tube Rate of strain = 0.9 %/min See summary of soil descriptions	
1	23.8	2.01	1.62	350	248	124	4.6			Brittle



Thorney Lane Phase 1 Due Diligence

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PSL24/7023

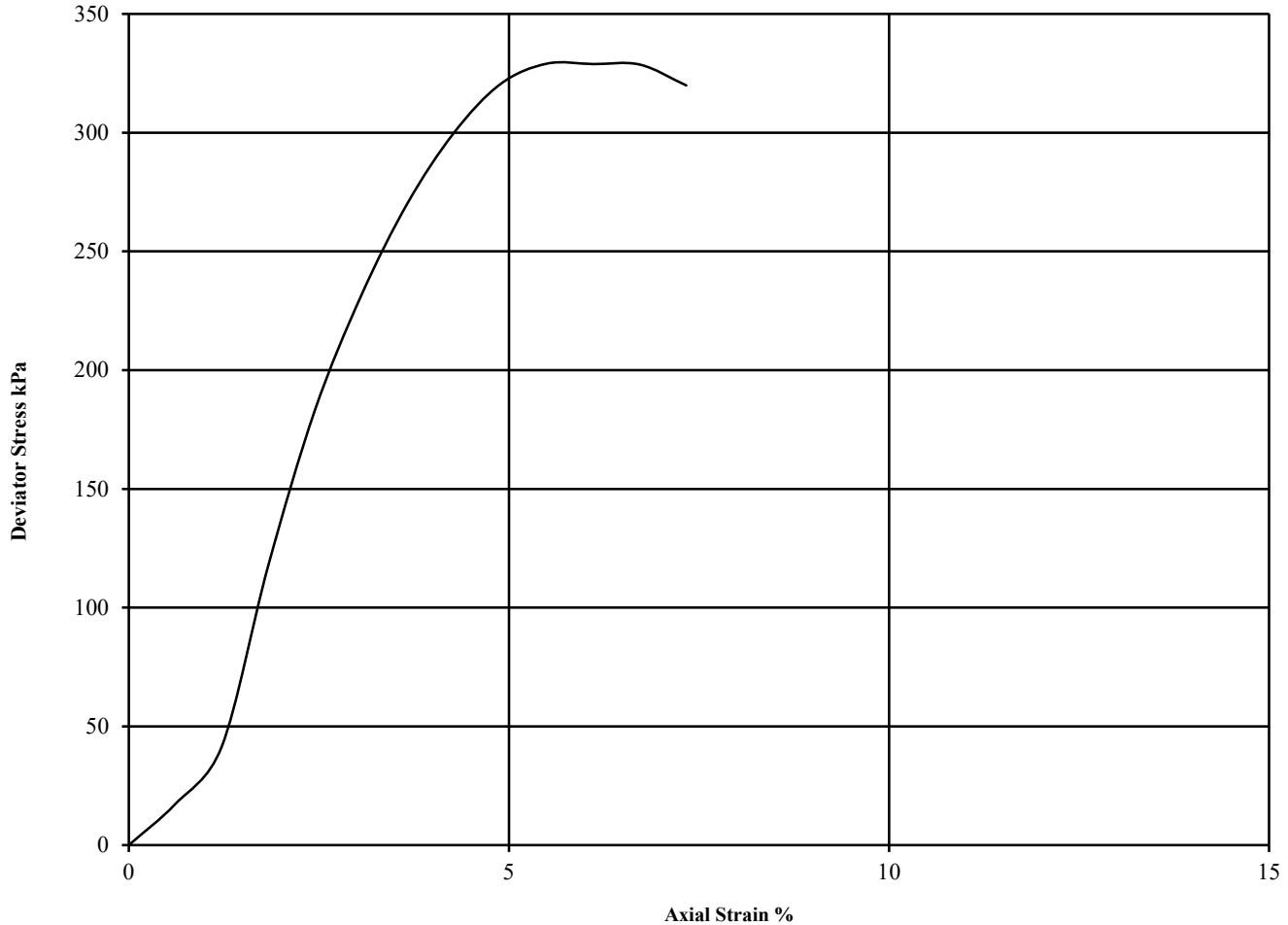
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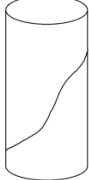
24/3980



UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BS 1377 - Part 2 : 2022 : Clause 28 in accordance with BS EN ISO 17892 - 8 : 2018

Hole Number: BH24-01 Top Depth (m): 12.00
 Sample Number 33 Base Depth (m): 12.45
 Sample Type U



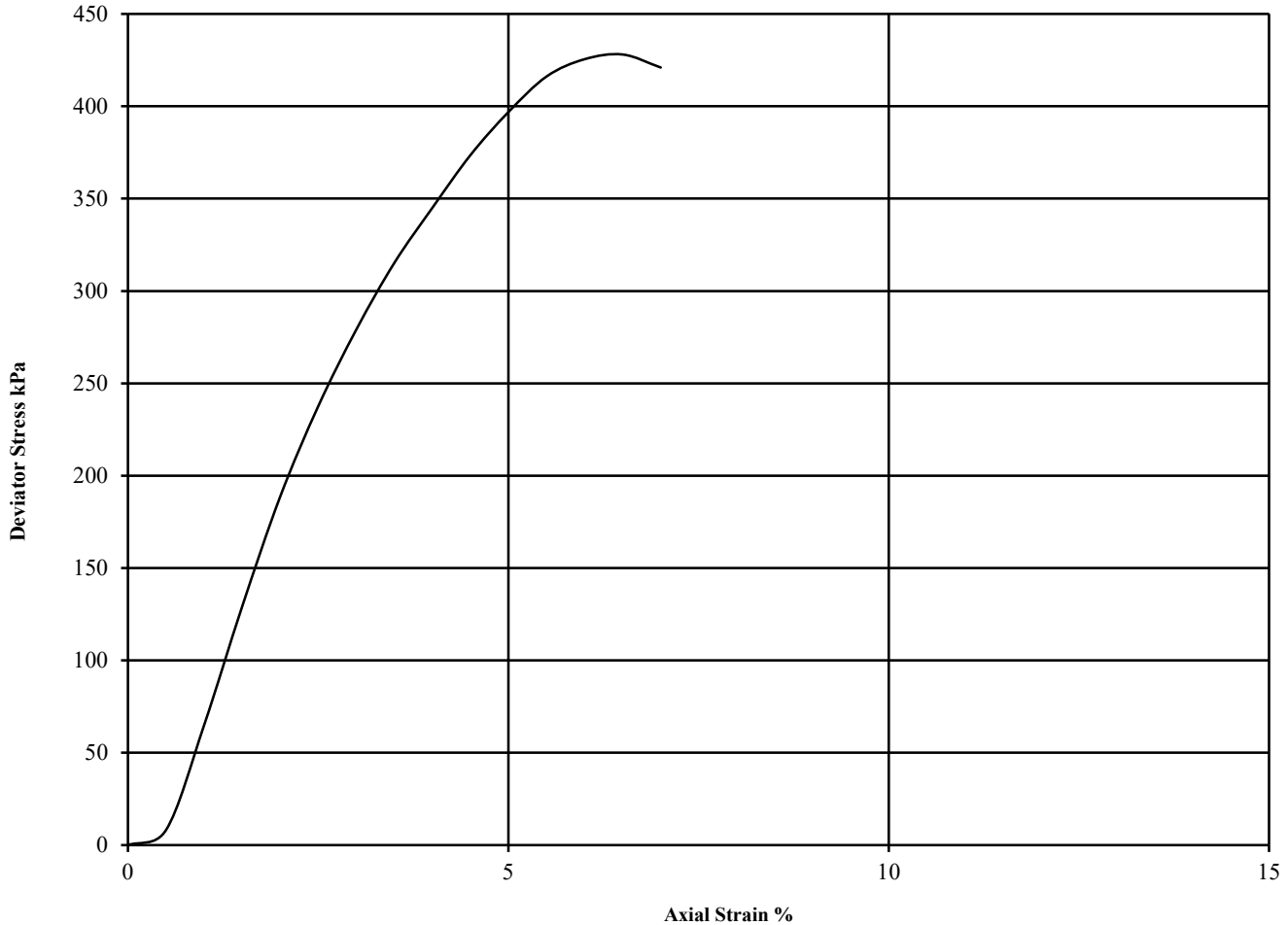
Diameter (mm):		102		Height (mm):		167		Test:	UU Single Stage	Remarks:
Specimen	Water Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Corr. Max. Deviator Stress (kPa)	Shear Strength Cu (kPa)	Failure Strain (%)		Undisturbed Sample Sample taken from top of tube Rate of strain = 1.1 %/min See summary of soil descriptions	
1	23.8	2.10	1.69	390	329	165	4.9			Brittle

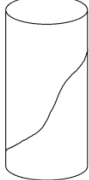
 	Thorney Lane Phase 1 Due Diligence		Contract No:
			PSL24/7023
			Client Ref:
			24/3980

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BS 1377 - Part 2 : 2022 : Clause 28 in accordance with BS EN ISO 17892 - 8 : 2018

Hole Number:	BH24-01	Top Depth (m):	13.50
Sample Number	37	Base Depth (m):	13.95
Sample Type	U		



Diameter (mm):		102		Height (mm):		204		Test:	UU Single Stage	Remarks:
Specimen	Water Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Corr. Max. Deviator Stress (kPa)	Shear Strength Cu (kPa)	Failure Strain (%)		Undisturbed Sample Sample taken from top of tube Rate of strain = 0.9 %/min See summary of soil descriptions	
1	25.2	2.13	1.70	430	428	214	6.0			Brittle



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7023

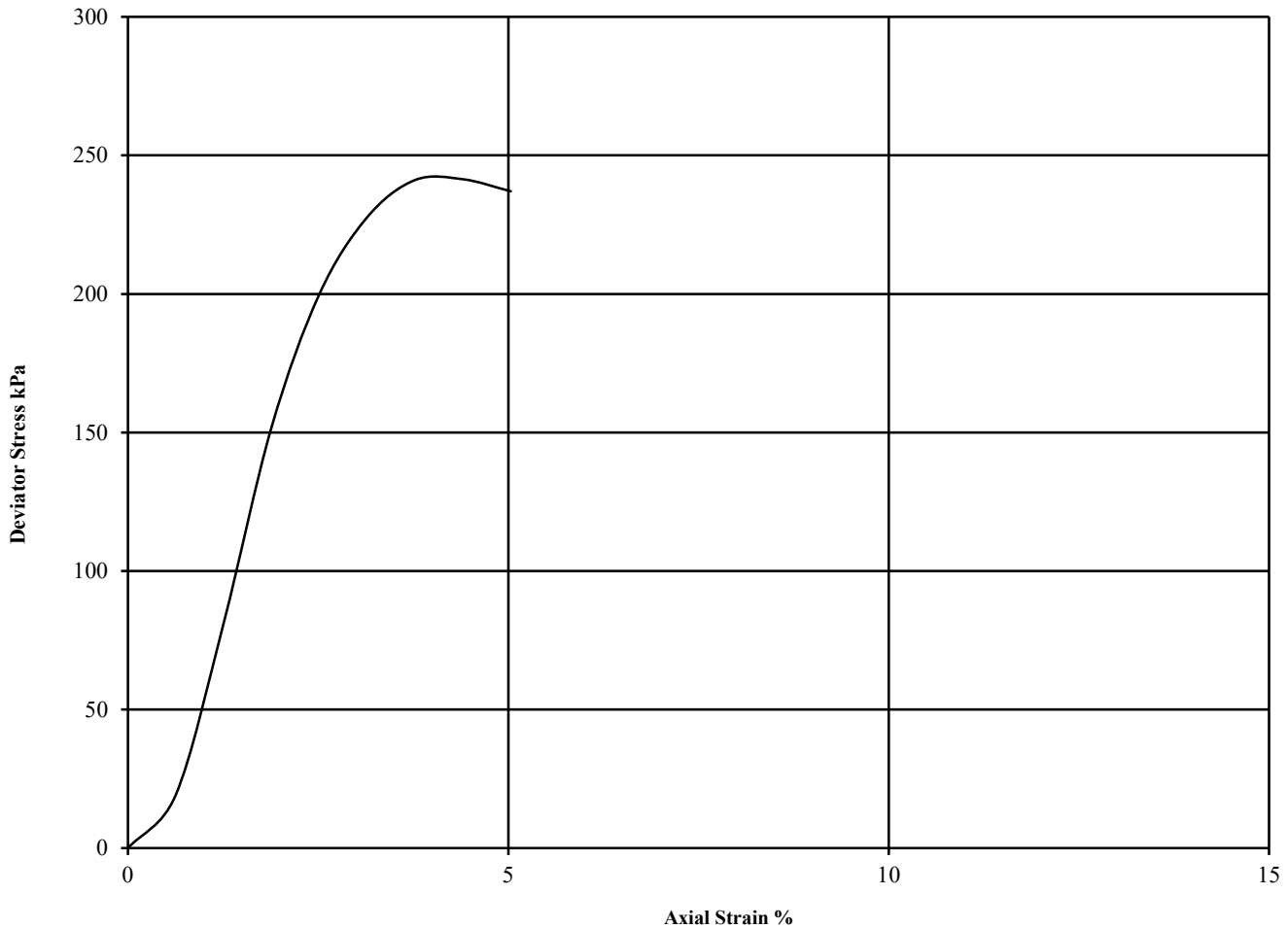
Client Ref:


24/3980

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BS 1377 - Part 2 : 2022 : Clause 28 in accordance with BS EN ISO 17892 - 8 : 2018

Hole Number:	BH24-01	Top Depth (m):	15.00
Sample Number	41	Base Depth (m):	15.45
Sample Type	U		



Diameter (mm):		105		Height (mm):		167		Test:	UU Single Stage	Remarks:
Specimen	Water Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Corr. Max. Deviator Stress (kPa)	Shear Strength Cu (kPa)	Failure Strain (%)		Undisturbed Sample Sample taken from top of tube Rate of strain = 1.1 %/min See summary of soil descriptions	
1	25.2	1.98	1.58	470	241	121	3.8			Brittle



Thorney Lane Phase 1 Due Diligence

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PSL24/7023

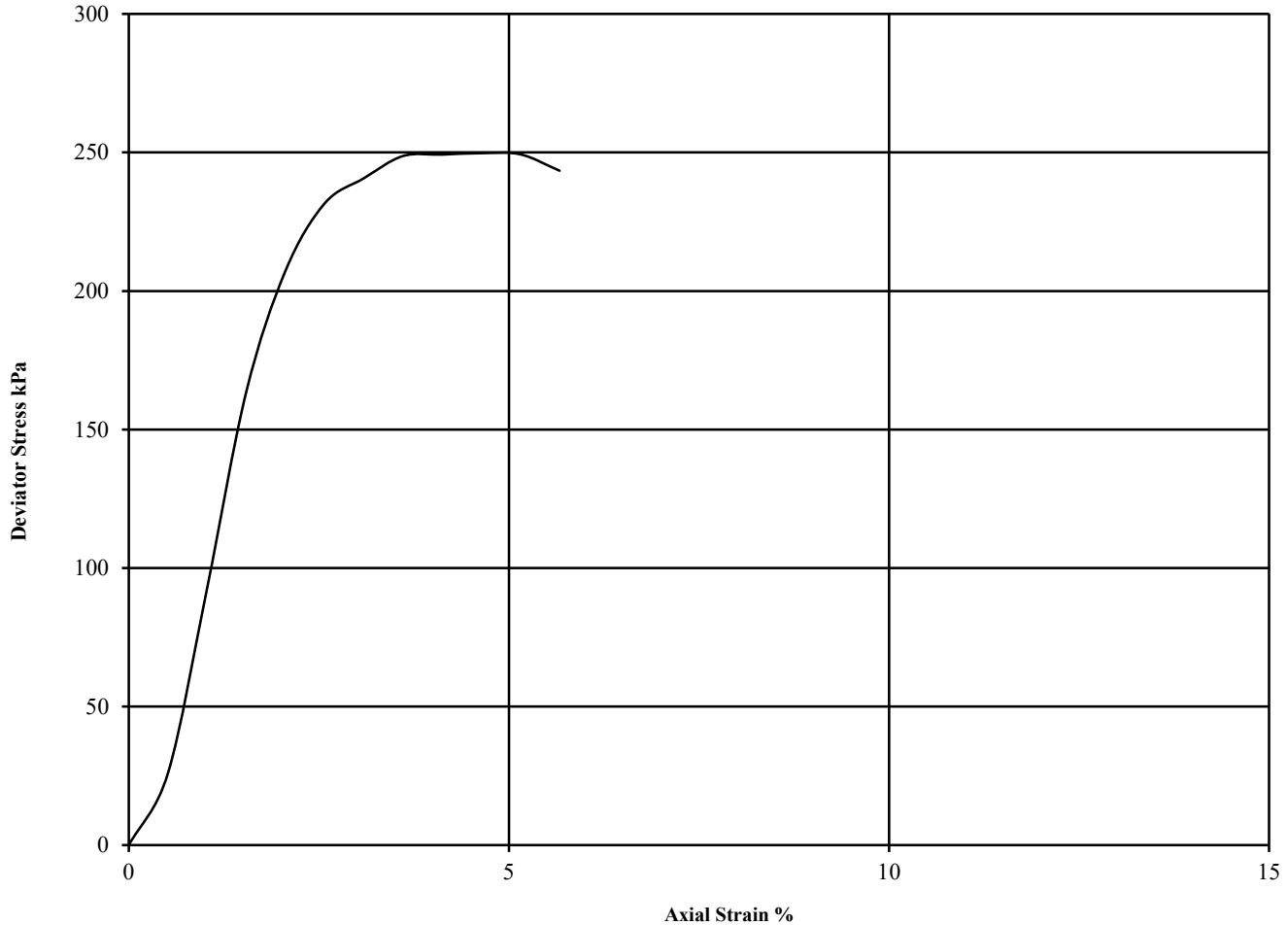
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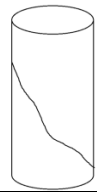
24/3980



UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BS 1377 - Part 2 : 2022 : Clause 28 in accordance with BS EN ISO 17892 - 8 : 2018

Hole Number:	BH24-01	Top Depth (m):	16.50
Sample Number	45	Base Depth (m):	16.95
Sample Type	U		



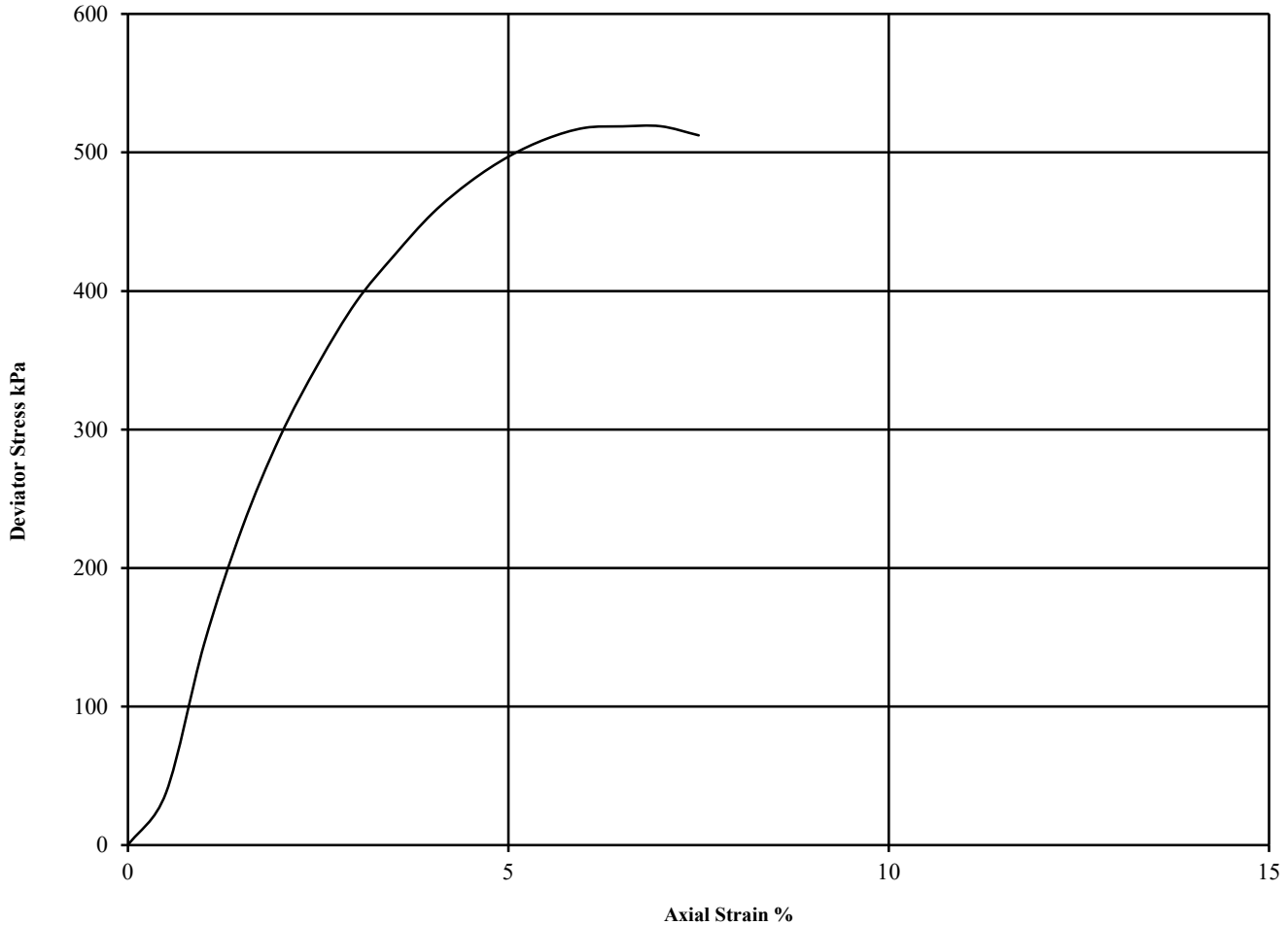
Diameter (mm):		105		Height (mm):		204		Test:	UU Single Stage	Remarks:
Specimen	Water Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Corr. Max. Deviator Stress (kPa)	Shear Strength Cu (kPa)	Failure Strain (%)		Undisturbed Sample Sample taken from top of tube Rate of strain = 0.9 %/min See summary of soil descriptions	
1	23.4	2.04	1.66	505	250	125	4.1			Brittle

		Thorney Lane Phase 1 Due Diligence	Contract No:
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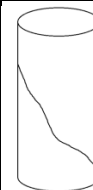
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BS 1377 - Part 2 : 2022 : Clause 28 in accordance with BS EN ISO 17892 - 8 : 2018

Hole Number: BH24-01 Top Depth (m): 18.00
 Sample Number 49 Base Depth (m): 18.45
 Sample Type U



Diameter (mm):		Height (mm):			Test:	UU Single Stage		Remarks:
Specimen	Water Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Corr. Max. Deviator Stress (kPa)	Shear Strength Cu (kPa)	Failure Strain (%)	Undisturbed Sample Sample taken from top of tube Rate of strain = 0.9 %/min See summary of soil descriptions
1	24.9	2.13	1.71	545	519	259	6.5	



Brittle



Thorney Lane Phase 1 Due Diligence

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PSL24/7023

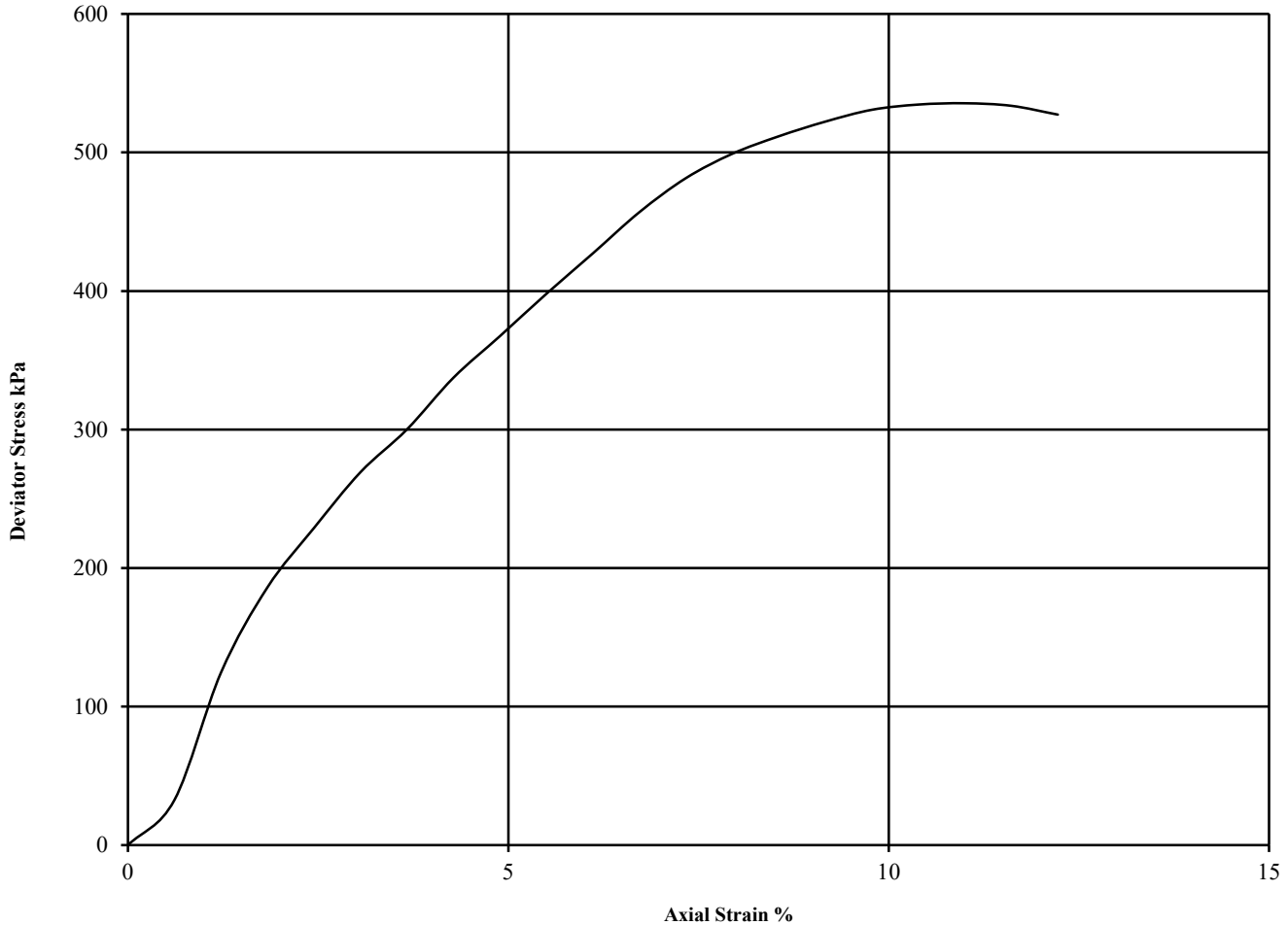
Client Ref:


24/3980

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BS 1377 - Part 2 : 2022 : Clause 28 in accordance with BS EN ISO 17892 - 8 : 2018

Hole Number: **BH24-01** Top Depth (m): **21.00**
 Sample Number **57** Base Depth (m): **21.45**
 Sample Type **U**



Diameter (mm):		102		Height (mm):		167		Test:	UU Single Stage	Remarks:
Specimen	Water Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Corr. Max. Deviator Stress (kPa)	Shear Strength Cu (kPa)	Failure Strain (%)		Undisturbed Sample Sample taken from top of tube Rate of strain = 1.1 %/min See summary of soil descriptions	
1	21.7	2.13	1.75	620	536	268	10.4	Brittle		



Thorney Lane Phase 1 Due Diligence

Contract No:

PSL24/7023

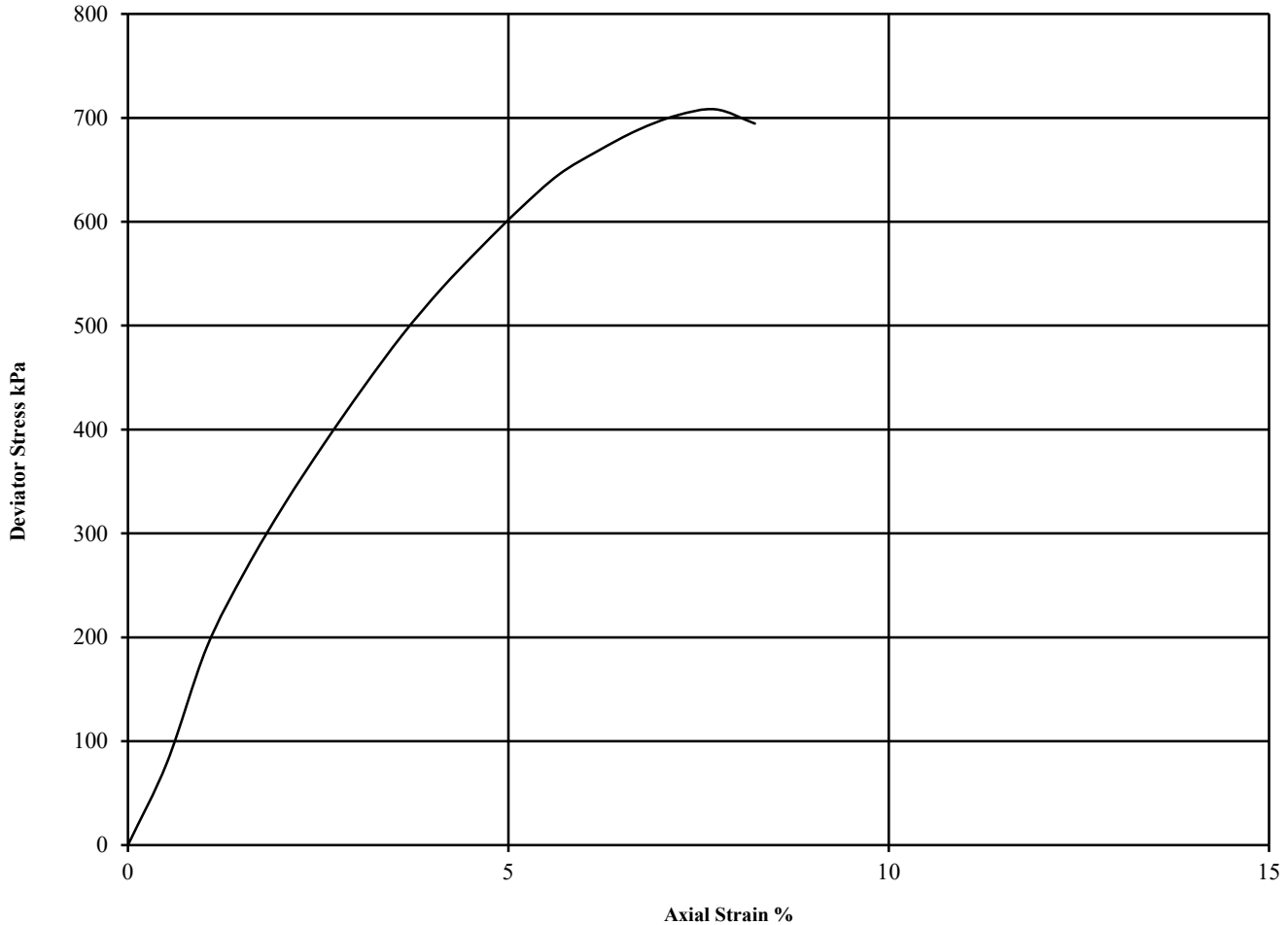
Client Ref:


24/3980

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BS 1377 - Part 2 : 2022 : Clause 28 in accordance with BS EN ISO 17892 - 8 : 2018

Hole Number:	BH24-01	Top Depth (m):	22.50
Sample Number	61	Base Depth (m):	22.95
Sample Type	U		



Diameter (mm):		105		Height (mm):		204		Test:	UU Single Stage	Remarks:
Specimen	Water Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Corr. Max. Deviator Stress (kPa)	Shear Strength Cu (kPa)	Failure Strain (%)		Undisturbed Sample Sample taken from top of tube Rate of strain = 0.9 %/min See summary of soil descriptions	
1	21.3	2.05	1.69	656	708	354	7.2			Brittle



Thorney Lane Phase 1 Due Diligence

Contract No:

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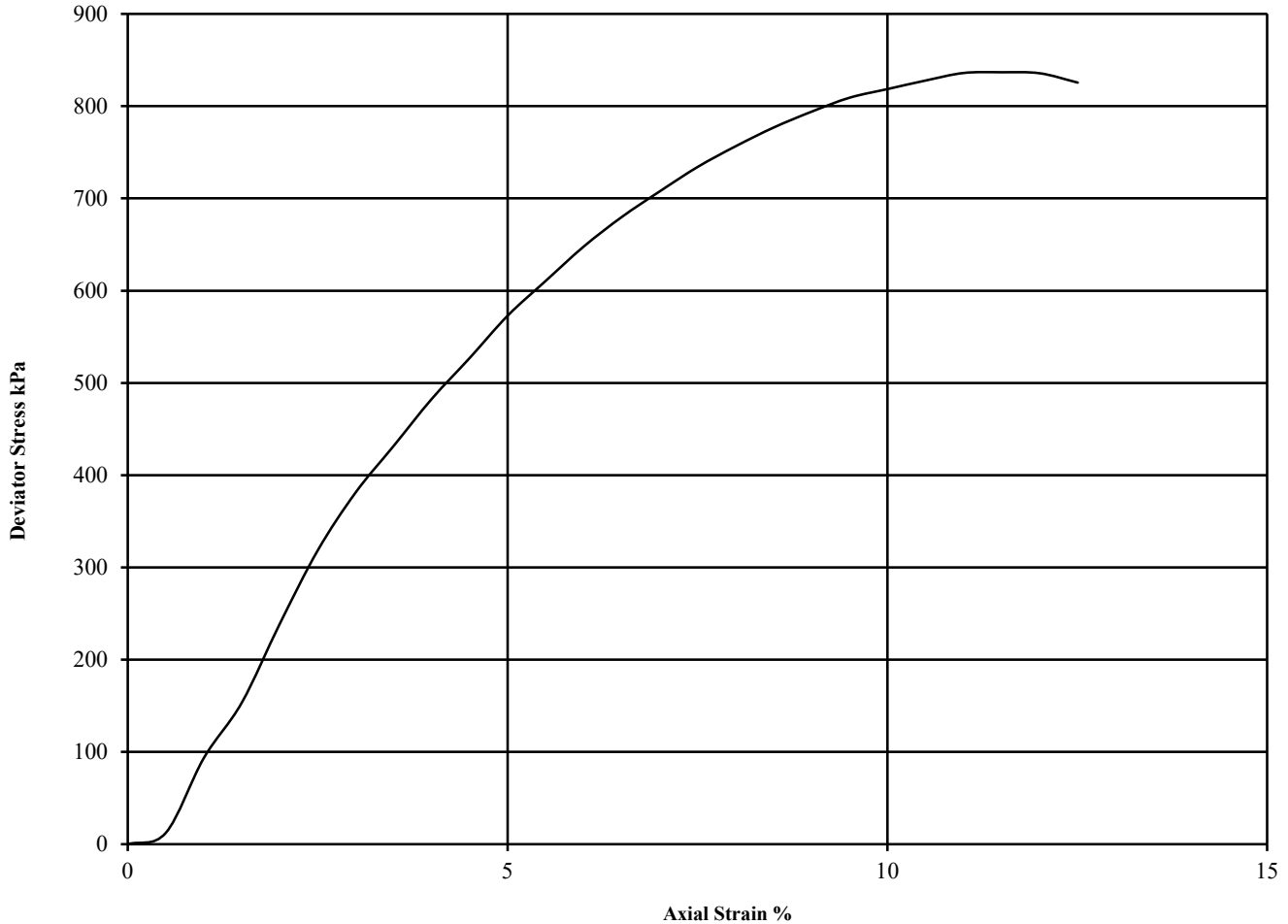
Client Ref:


24/3980

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

BS 1377 - Part 2 : 2022 : Clause 28 in accordance with BS EN ISO 17892 - 8 : 2018

Hole Number: BH24-01 Top Depth (m): 24.00
 Sample Number 65 Base Depth (m): 24.45
 Sample Type U



Diameter (mm):		102		Height (mm):		204		Test:	UU Single Stage	Remarks:
Specimen	Water Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Corr. Max. Deviator Stress (kPa)	Shear Strength Cu (kPa)	Failure Strain (%)		Undisturbed Sample Sample taken from top of tube Rate of strain = 0.9 %/min See summary of soil descriptions	
1	18.3	2.16	1.83	690	837	418	11.0	Brittle		



Thorney Lane Phase 1 Due Diligence

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