BROWNFIELD SOLUTIONS LTD

Borehole Log

Rotary Open Hole with Rotary Core Follow-on No.

BH201

Sheet 1 of 3

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** RO+RC
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:51
CLIENT:	ATRI7 6 LTD	**DATES:** 05/11/24 - 07/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
		0.05-0.80	ES		0.05			MADE GROUND: Concrete.
					0.80			MADE GROUND: Brown very gravelly clayey sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
					0.90			MADE GROUND: Concrete.
		1.20	SPT	N=10 (3,3/2,2,3,3)				MADE GROUND: Brown very gravelly clayey sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
		1.30-1.70	D					
		2.00	SPT	N=12 (2,2/3,4,3,2)				
		2.30-2.70	D					
								Some angular fine to coarse gravels of clinker at 2.80m bgl.
		3.00	SPT	N=4 (1,1/1,1,1,1)				
		3.80-4.00	D		3.70			Very weak red fine to coarse grained moderately weathered SANDSTONE recovered as a gravelly sand. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of sandstone.
		3.80	SPT	N≥50 (25 for 125mm/50 for 85mm)	4.01			Weak red fine to coarse grained moderately weathered SANDSTONE.
		4.50 - 6.00	NR	80 / 80 / 0				
			25					
		6.00 - 7.00	NR	50 / 40 / 0				
			3					
			NI					
			2					
		7.00 - 8.00	6	100 / 95 / 55				
			NI		7.77			Very weak unweathered red MUDSTONE.
			2		7.85			Weak red fine to coarse grained slightly weathered SANDSTONE.
		8.00 - 9.00	12	100 / 100 / 40				*8.00-9.00m bgl: Discontinuities are extremely close to closely spaced rough undulating horizontal to 45 degrees sub-horizontal.*
								8.38-8.50m bgl: Vertical fractures.
		9.00 - 10.00	NR	0 / 0 / 0				*9.00-10.00m bgl: No recovery, suspected sand lense.*
				100 / 80 / 20				
				TCR / SCR / RQD				

1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 1.20m bgl.
3. Groundwater encountered from 12.00m bgl.
4. Borehole sides stable.
5. Window sample borehole to 4.01m bgl, redrilled with rotary open hole to widen borehole from ground level to 4.50m bgl with rotary cored follow on to 32.00m bgl.
6. Installation to 13.00m bgl: 6.00m plain 50mm PVC, 7.00m slotted PVC upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Rotary Open Hole with Rotary Core Follow-on No.

BH201

Sheet 2 of 3

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** RO+RC
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:51
CLIENT:	ATRI7 6 LTD	**DATES:**	05/11/2024 - 07/11/2024

Logged	Checked
AH	NS

Well	Water Strike	Depth (m)	Type / FI	Coring TCR (%)	Coring SCR (%)	Coring RQD (%)	Depth (m)	Level (m OD)	Legend	Stratum Description
		10.00 - 11.00	NI 9	100	95	60				*10.00-10.20m bgl: Not intact.* *10.00-11.00m bgl: Discontinuities are very close to medium spaced rough undulating horizontal to 15 degrees sub-horizontal.* *10.80-10.85m bgl: Vertical fractures.*
		11.00 - 12.00	7 NI 2	100	100	60				*11.00-12.00m bgl: Discontinuities are close to medium spaced rough undulating horizontal to 10 degrees sub-horizontal.* *11.68-11.73m bgl: Non intact.*
		12.00 - 13.00	5	100	98	45				*12.00-13.00m bgl: Discontinuities are close to medium spaced rough undulating horizontal to 45 degrees sub-horizontal.*
		13.00 - 14.00	6 1	100	90	50				*13.00-14.00m bgl: Discontinuities are very close to closely spaced rough undulating horizontal to 10 degrees sub-horizontal.*
		14.00 - 15.00	5 NI 2	100	100	65	14.78 14.88			*13.90-13.92m bgl: Not intact.* *14.00-15.00m bgl: Discontinuities are extremely close to medium spaced rough undulating horizontal to 30 degrees sub-horizontal.* Very weak unweathered red MUDSTONE. *14.78-14.88m bgl: Non intact.*
		15.00 - 16.00	6	100	100	60				Weak red fine to coarse grained slightly weathered SANDSTONE. *15.00-16.00m bgl: Discontinuities are extremely close to medium spaced rough undulating horizontal to 5 degrees sub-horizontal.*
		16.00 - 17.00	7	100	92	67	16.47 16.54			*16.00-17.00m bgl: Discontinuities are extremely close to medium spaced rough undulating horizontal to 30 degrees sub-horizontal.* Extremely weak unweathered red MUDSTONE. Weak red fine to coarse grained slightly weathered SANDSTONE.
		17.00 - 18.00	4 NI 3	93	88	53				*17.00-18.00m bgl: Discontinuities are extremely close to medium spaced rough undulating horizontal to 10 degrees sub-horizontal.* *17.72-17.80m bgl: Non intact.*
		18.00 - 19.50	NR 6 NI 5	100	87	33	18.77 18.84			*18.00-18.10m bgl: No recovery.* *18.10-19.50m bgl: Discontinuities are very close to closely spaced rough undulating horizontal to 5 degrees sub-horizontal.* *18.74-18.82m bgl: Non intact.* Extremely weak unweathered red MUDSTONE. Weak red fine to coarse grained slightly weathered SANDSTONE. *19.50-19.60m bgl: Vertical fractures.* *19.50-21.00m bgl: Discontinuities are extremely close to closely spaced rough undulating horizontal to 20 degrees sub-horizontal.* *19.74-19.75m bgl: Non intact.*
			1 2							

11.0 12.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 1.20m bgl.
3. Groundwater encountered from 12.00m bgl.
4. Borehole sides stable.
5. Window sample borehole to 4.01m bgl, redrilled with rotary open hole to widen borehole from ground level to 4.50m bgl with rotary cored follow on to 32.00m bgl.
6. Installation to 13.00m bgl: 6.00m plain 50mm PVC, 7.00m slotted PVC upon completion.

ES = Environmental Sample
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B = Bulk Sample
LB = Large Bulk Sample
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UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
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Borehole Log

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Sheet 3 of 3

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** RO+RC
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:51
CLIENT:	ATRI7 6 LTD	**DATES:**	05/11/2024 - 07/11/2024

Logged	Checked
AH	NS

Well	Water Strike	Depth (m)	Type / FI	Coring TCR (%)	Coring SCR (%)	Coring RQD (%)	Depth (m)	Level (m OD)	Legend	Stratum Description
		19.50 - 21.00	12	100	100	70				*20.54-20.60m bgl: Non intact.*
			NI 3 NI 1							*20.83-20.91m bgl: Non intact.*
		21.00 - 22.50	11							*21.00-22.50m bgl: Discontinuities are very close to medium spaced rough horizontal.*
		22.50 - 24.00	6	100	99	53				*22.50-24.00m bgl: Discontinuities are closely spaced rough undulating horizontal to 5 degrees sub-horizontal.*
			3							*23.31-23.34m bgl: Non intact.*
			2							*23.53-23.57m bgl: Non intact.*
			NR							*23.90-24.00m bgl: No recovery.*
		24.00 - 25.50	10	97	93	50				*24.00-25.50m bgl: Discontinuities are very close to closely spaced rough undulating horizontal to 5 degrees sub-horizontal.*
			NR 1							*25.20-25.30m bgl: No recovery.*
		25.50 - 27.00	13	97	97	37				*25.50-27.00m bgl: Discontinuities are very close to closely spaced partly rough undulating horizontal to 10 degrees sub-horizontal.*
			NR							*26.95-27.00m bgl: No recovery.*
		27.00 - 28.50	16	100	100	27				*27.00-27.94m bgl: Discontinuities are extremely close to very closely spaced rough undulating horizontal to 5 degrees sub-horizontal.*
			3							*27.94-28.50m bgl: Discontinuities are very close to closely spaced rough horizontal to 45 degrees sub-horizontal.*
		28.50 - 30.00	5	100	98	80				*28.50-29.09m bgl: Discontinuities are very close to closely spaced rough undulating horizontal to 45 degrees sub-horizontal.*
			4							*29.09-30.00m bgl: Non intact.* *28.50-29.09m bgl: Discontinuities are close to medium spaced rough undulating horizontal to 10 degrees sub-horizontal.*
							30.00			End of Borehole at 30.00m

21.0 22.0 23.0 24.0 25.0 26.0 27.0 28.0 29.0 30.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 1.20m bgl.
3. Groundwater encountered from 12.00m bgl.
4. Borehole sides stable.
5. Window sample borehole to 4.01m bgl, redrilled with rotary open hole to widen borehole from ground level to 4.50m bgl with rotary cored follow on to 32.00m bgl.
6. Installation to 13.00m bgl: 6.00m plain 50mm PVC, 7.00m slotted PVC upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
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BROWNFIELD SOLUTIONS LTD

Borehole Log

Rotary Open Hole with Rotary Core Follow-on No.

BH202

Sheet 1 of 4

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** RO+RC
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:51
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/24 - 06/11/24	**Logged** / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	TCR	SCR	RQD	Depth (m)	Level (m OD)	Legend	Stratum Description
		0.00-1.00	ES								MADE GROUND: Brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete and sandstone.
		1.20	SPT	N=16 (12,12/7,3,3,3)							
		1.30-1.70	D								
		2.00	SPT	N=16 (4,5/6,4,3,3)							
								2.50			Orangish brown slightly clayey gravelly SAND. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of sandstone.
		2.80-3.40	D								
		3.00	SPT	N=12 (4,3/3,3,3,3)							
		3.90-4.10	D					3.90			Very weak red fine to coarse grained moderately weathered SANDSTONE recovered as a gravelly sand. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of sandstone.
		4.00	SPT	N≥50 (25 for 100mm/50 for 140mm)				4.24			Weak red fine to coarse grained slightly weathered SANDSTONE.
		5.00 - 6.00	NR		30	10	0				
			NI								
			4		100	93	0				
		6.00 - 7.00	8								
			4								
			5								
		7.00 - 8.00	10		90	90	20				
			4		100	88	15				
		8.00 - 9.00	NI								
			6								
			3								
		9.00 - 10.00	15		100	98	45				
					100	100	40				
					TCR	SCR	RQD				

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 1.20m bgl.
3. Groundwater encountered from 12.00m bgl.
4. Borehole sides stable.
5. Window sample borehole to 4.24m bgl, redrilled with rotary open hole to widen borehole from ground level to 5.00m bgl with rotary cored follow on to 32.00m bgl.
6. Installation to 13.00m bgl: 6.00m plain 50mm PVC, 7.00m slotted PVC upon completion.

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Borehole Log

Rotary Open Hole with Rotary Core Follow-on No.

BH202

Sheet 2 of 4

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** RO+RC
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:51
CLIENT:	ATRI7 6 LTD	**DATES:**	04/11/2024 - 06/11/2024

Logged	Checked
	NS

Well	Water Strike	Depth (m)	Type / FI	Coring TCR (%)	Coring SCR (%)	Coring RQD (%)	Depth (m)	Level (m OD)	Legend	Stratum Description
		10.00 - 11.00	11	100	95	40	10.35			Interbedded very weak red unweathered MUDSTONE and fine to coarse grained unweathered SANDSTONE. Weak red fine to coarse grained slightly weathered SANDSTONE.
		11.00 - 12.00	10				10.65			*11.00-12.00m bgl: Discontinuities are very close to closely spaced partly open to open rough undulating horizontal to 5 degrees subhorizontal.*
	▼	12.00 - 13.00	NI 1 2 NI 3 4	100	93	60				*11.90-11.95m bgl: Non intact.* *12.00-13.00m bgl: Discontinuities are very close to closely spaced partly open to open rough undulating horizontal to 5 degrees subhorizontal.* *12.14-12.18m bgl: Non intact.* *12.24-12.27m bgl: Non intact.*
		13.00 - 14.00	NR 3 6	90	85	40				*13.00-13.10m bgl: No recovery.* *12.00-13.00m bgl: Discontinuities are very close to closely spaced tight to open rough undulating horizontal to 5 degrees subhorizontal.* *13.22-13.26m bgl: Non intact.*
		14.00 - 15.00	NI 7 NI 1	100	75	45				*14.00-14.20m bgl: Non intact.* *14.00-15.00m bgl: Discontinuities are very close to closely spaced open rough undulating horizontal to 5 degrees subhorizontal.*
		15.00 - 16.00	8 3	100	98	30				*14.80-14.85m bgl: Non intact.* *15.00-16.00m bgl: Discontinuities are very close to closely spaced rough undulating horizontal to 10 degrees sub-horizontal.*
		16.00 - 17.00	8	100	94	40				*15.73-15.75m bgl: Non intact.* *16.00-17.00m bgl: Discontinuities are very close to closely spaced rough undulating horizontal to 10 degrees sub-horizontal.* *16.43-16.49m bgl: Vertical fractures.*
		17.00 - 18.00	10	100	100	45				*17.00-18.00m bgl: Discontinuities are extremely close to closely spaced rough undulating horizontal to 5 degrees sub-horizontal.*
		18.00 - 19.00	5	100	100	70				*18.00-19.00m bgl: Discontinuities are very close to medium spaced spaced rough undulating horizontal to 5 degrees sub-horizontal.* *18.62-19.40m bgl: Fine to medium grained SANDSTONE.*
		19.00 - 20.00	7	100	100	80				*19.00-20.00m bgl: Discontinuities are extremely close to medium spaced partly open to open rough undulating horizontal to 20 degrees sub-horizontal.*
				90	90	40				

11.0 12.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
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3. Groundwater encountered from 12.00m bgl.
4. Borehole sides stable.
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6. Installation to 13.00m bgl: 6.00m plain 50mm PVC, 7.00m slotted PVC upon completion.

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Borehole Log

Rotary Open Hole with Rotary Core Follow-on No.

BH202

Sheet 3 of 4

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** RO+RC
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:51
CLIENT:	ATRI7 6 LTD	**DATES:**	04/11/2024 - 06/11/2024

Logged	Checked
	NS

Well	Water Strike	Depth (m)	Type / FI	Coring TCR (%)	Coring SCR (%)	Coring RQD (%)	Depth (m)	Level (m OD)	Legend	Stratum Description
		20.00 - 21.00	NR 7	100	100	50				*20.00-20.10m bgl: No recovery.* *20.10-21.00m bgl: Discontinuities are very close to closely spaced rough undulating horizontal.* *20.60-20.95m bgl: Fine to medium grained SANDSTONE.*
		21.00 - 22.00	8	100	94	20				*21.00-22.00m bgl: Discontinuities are very close to closely spaced rough undulating horizontal to 15 degrees sub-horizontal.*
		22.00 - 23.00	2 NI 11	100	95	45				*22.00-23.00m bgl: Discontinuities are very closely spaced rough undulating horizontal to 10 degrees sub-horizontal.* *22.16-22.22m bgl: Non intact.*
		23.00 - 24.00	NI 13	100	85	40				*23.00-23.05m bgl: Non intact.* *23.00-24.00m bgl: Discontinuities are extremely close to closely spaced rough undulating horizontal to 15 degrees sub-horizontal.*
		24.00 - 25.00	NI 4 NI 5	90	89	55				*24.00-24.10m bgl: Non intact.* *24.00-25.00m bgl: Discontinuities are very close to closely spaced rough undulating horizontal to 20 degrees sub-horizontal.* *24.25-24.30m bgl: Non intact.*
		25.00 - 26.00	7	100	95	50				*25.00-26.00m bgl: Discontinuities are very close to medium spaced rough undulating horizontal to 45 degrees sub-horizontal.* *25.58-25.60m bgl: Vertical fractures.*
		26.00 - 27.00	6	100	93	65				*26.00-27.00m bgl: Discontinuities are close to medium spaced rough undulating horizontal.* *26.95-27.00m bgl: Vertical fractures.*
		27.00 - 28.00	4 NI 2	100	95	55	27.61 27.68			*27.00-28.00m bgl: Discontinuities are close to medium spaced rough undulating horizontal to 15 degrees sub-horizontal.* Very weak unweathered red MUDSTONE. *27.61-27.68m bgl: Non intact.*
		28.00 - 29.00	4 NI 3	100	100	75				Weak red fine to coarse grained slightly weathered SANDSTONE. *28.00-29.00m bgl: Discontinuities are close to medium spaced rough undulating horizontal to 5 degrees sub-horizontal.* *28.46-28.51m bgl: Non intact.*
		29.00 - 30.00	3	100	98	75				*29.00-30.00m bgl: Discontinuities are close to medium spaced rough undulating horizontal.* *29.11-29.35m bgl: Fine to medium grained SANDSTONE.*

21.0 22.0 23.0 24.0 25.0 26.0 27.0 28.0 29.0 30.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 1.20m bgl.
3. Groundwater encountered from 12.00m bgl.
4. Borehole sides stable.
5. Window sample borehole to 4.24m bgl, redrilled with rotary open hole to widen borehole from ground level to 5.00m bgl with rotary cored follow on to 32.00m bgl.
6. Installation to 13.00m bgl: 6.00m plain 50mm PVC, 7.00m slotted PVC upon completion.

ES = Environmental Sample
D = Disturbed Sample
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LB = Large Bulk Sample
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SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Rotary Open Hole with Rotary Core Follow-on No.

BH202

Sheet 4 of 4

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** RO+RC
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:51
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/2024 - 06/11/2024	**Logged** / **Checked** NS

Well	Water Strike	Depth (m)	Type / FI	Coring TCR (%)	Coring SCR (%)	Coring RQD (%)	Depth (m)	Level (m OD)	Legend	Stratum Description
		30.00 - 31.00	2	100	100	70	32.00			*30.00-31.00m bgl: Discontinuities are close to medium spaced rough undulating horizontal to 15 degrees sub-horizontal.* *30.28-30.30m bgl: Non intact.*
			4							
		31.00 - 32.00	7							*30.00-31.00m bgl: Discontinuities are very close to medium spaced rough undulating horizontal to 10 degrees sub-horizontal.*
										End of Borehole at 32.00m

31.0
32.0
33.0
34.0
35.0
36.0
37.0
38.0
39.0
40.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 1.20m bgl.
3. Groundwater encountered from 12.00m bgl.
4. Borehole sides stable.
5. Window sample borehole to 4.24m bgl, redrilled with rotary open hole to widen borehole from ground level to 5.00m bgl with rotary cored follow on to 32.00m bgl.
6. Installation to 13.00m bgl: 6.00m plain 50mm PVC, 7.00m slotted PVC upon completion.

ES = Environmental Sample
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PID = Photoionization Detector (ppm)
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BROWNFIELD SOLUTIONS LTD

Trial Pit Log

No.
SA201
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type**: TP
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale**: 1:25
CLIENT:	ATRI7 6 LTD	**DATES:** 08/11/24	**Logged**: AH / **Checked**: NS

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.10-1.00	ES		0.05			MADE GROUND: Concrete.
	1.50-2.40	D					MADE GROUND: Brown slightly clayey very gravelly sand with moderate cobble content. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, sandstone, slate, ceramics and metal. Cobbles of angular to sub-angular brick and concrete up to 250mm in diameter.
				2.40			End of Trial Pit at 2.40m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. No groundwater encountered.
3. Excavation sides unstable.
4. Excavation backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
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BROWNFIELD SOLUTIONS LTD

Trial Pit Log

No.
SA201A
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** TP
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:25
CLIENT:	ATRI7 6 LTD	**DATES:** 08/11/24	**Logged** AH / **Checked** NS

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00-1.00	ES					MADE GROUND: Brown slightly clayey very gravelly sand with moderate cobble content. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, sandstone, slate, ceramics and metal. Cobbles of angular to sub-angular brick and concrete up to 250mm in diameter.
				1.40			End of Trial Pit at 1.40m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. No groundwater encountered.
3. Excavation sides unstable.
4. Excavation backfilled with arisings upon completion.

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BROWNFIELD SOLUTIONS LTD

Trial Pit Log

No.
SA202
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** TP
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:25
CLIENT:	ATRI7 6 LTD	**DATES:** 08/11/24	**Logged** AH / **Checked** NS

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00-1.00	ES					MADE GROUND: Brown slightly clayey very gravelly sand with moderate cobble content. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, sandstone, slate, ceramics and metal. Cobbles of angular to sub-angular brick and concrete up to 250mm in diameter.
	1.50-2.50	D					
	2.50-3.40	D					
				3.40			End of Trial Pit at 3.40m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. No groundwater encountered.
3. Excavation sides unstable.
4. Excavation backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Trial Pit Log

No.
SA202A
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** TP
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:25
CLIENT:	ATRI7 6 LTD	**DATES:** 08/11/24	**Logged** AH / **Checked** NS

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00-1.00	ES					MADE GROUND: Brown slightly clayey very gravelly sand with moderate cobble content. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, sandstone, slate, ceramics and metal. Cobbles of angular to sub-angular brick and concrete up to 250mm in diameter.
	1.50-2.50	D					
							Low cobble content from 2.00m bgl.
	2.50-3.50	D					
				3.70			End of Trial Pit at 3.70m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. No groundwater encountered.
3. Excavation sides unstable.
4. Excavation backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Trial Pit Log

No.
TP201
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** TP
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:25
CLIENT:	ATRI7 6 LTD	**DATES:** 07/11/24	**Logged** AH / **Checked** NS

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00-1.00	ES					MADE GROUND: Brown slightly clayey gravelly sand with moderate cobble content. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, sandstone, slate and plastic with occassional wood. Cobbles are angular to sub-angular of brick and concrete up to 170mm in diameter.
	1.00-2.00	ES					
				2.00			End of Trial Pit at 2.00m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. No groundwater encountered.
3. Excavation sides unstable.
4. Excavation backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Trial Pit Log

No.
TP202
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type**: TP
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale**: 1:25
CLIENT:	ATRI7 6 LTD	**DATES:** 07/11/24	**Logged**: AH / **Checked**: NS

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00-0.50	ES					MADE GROUND: Brown slightly clayey gravelly sand with moderate cobble content. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, sandstone, slate, plastic and occasional wood. Cobbles are angular to sub-angular of brick and concrete up to 170mm in diameter.
				0.50			
	0.60-0.80	D					MADE GROUND: Orangish brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of sandstone.
				0.90			
	1.00-1.80	D					MADE GROUND: Brown slightly clayey gravelly sand with moderate cobble content. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, sandstone, slate and plastic with occasional wood. Cobbles are angular to sub-angular of brick and concrete up to 170mm in diameter.
				1.90			
	2.00-2.20	D					Orangish brown gravelly SAND. Sand is fine to coarse. Gravel is sub-rounded to rounded fine to coarse of sandstone.
				2.30			End of Trial Pit at 2.30m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. No groundwater encountered.
3. Excavation sides unstable.
4. Excavation backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Trial Pit Log

No.
TP203
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type**: TP
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale**: 1:25
CLIENT:	ATRI7 6 LTD	**DATES:**	07/11/24

Logged	Checked
AH	NS

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00-1.00	ES					MADE GROUND: Brown slightly clayey gravelly sand with low cobble content. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, sandstone and slate with occasional plastic and metal. Cobbles are angular to sub-angular of brick and concrete up to 170mm in diameter.
	1.50-2.50	D					
				2.80			Orangish brown gravelly SAND. Sand is fine to coarse. Gravel is sub-rounded to rounded fine to coarse of sandstone.
				2.90			End of Trial Pit at 2.90m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. No groundwater encountered.
3. Excavation sides unstable.
4. Excavation backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Trial Pit Log

No.
TP204
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type**: TP
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale**: 1:25
CLIENT:	ATRI7 6 LTD	**DATES:** 07/11/24	**Logged**: AH / **Checked**: NS

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00-1.00	ES					MADE GROUND: Brown slightly clayey gravelly sand with moderate cobble content. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, sandstone and slate with occasional plastic and metal. Cobbles are angular to sub-angular of brick and concrete up to 400mm in diameter.
	1.00-2.00	D					
				2.40			Orangish brown clayey SAND. Sand is fine to coarse.
				2.50			End of Trial Pit at 2.50m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. No groundwater encountered.
3. Excavation sides unstable.
4. Excavation backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Trial Pit Log

No.
TP205
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** TP
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:25
CLIENT:	ATRI7 6 LTD	**DATES:** 07/11/24	**Logged** AH / **Checked** NS

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00-0.90	ES					MADE GROUND: Brown slightly clayey gravelly sand with moderate cobble content. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, sandstone and slate with occasional plastic and metal. Cobbles are angular to sub-angular of brick and concrete up to 400mm in diameter.
	1.00-1.50 1.00	D HSV	88kPa	0.90			Soft orangish brown very sandy CLAY. Sand is fine to coarse.
	1.50-2.00 1.50	D HSV	107kPa				
	2.30-3.30	D		2.20			Orangish brown clayey gravelly SAND. Sand is fine to coarse. Gravel is sub-rounded to rounded fine to coarse of sandstone.
				3.30			End of Trial Pit at 3.30m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. No groundwater encountered.
3. Excavation sides stable.
4. Excavation backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Trial Pit Log

No.
TP206
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type**: TP
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale**: 1:25
CLIENT:	ATRI7 6 LTD	**DATES:** 07/11/24	**Logged**: AH / **Checked**: NS

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00-1.00	ES					MADE GROUND: Brown slightly clayey gravelly sand with high cobble content. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, sandstone and slate with occasional plastic, wood and metal. Cobbles are angular to sub-angular of brick and concrete up to 200mm in diameter.
	1.50-2.50	D					
				3.10			End of Trial Pit at 3.10m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. No groundwater encountered.
3. Excavation sides unstable.
4. Excavation backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Trial Pit Log

No.
TP207
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** TP
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:25
CLIENT:	ATRI7 6 LTD	**DATES:** 08/11/24	**Logged** AH / **Checked** NS

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00-1.40	ES					MADE GROUND: Brown slightly clayey gravelly sand with moderate cobble content. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, sandstone, slate and plastic with occasional wood. Cobbles are angular to sub-angular of brick and concrete up to 170mm in diameter.
				1.40			Orangish brown slightly clayey gravelly SAND. Sand is fine to coarse. Gravel is sub-rounded to rounded fine to coarse of sandstone.
				2.40			End of Trial Pit at 2.40m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. No groundwater encountered.
3. Excavation sides stable.
4. Excavation backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Trial Pit Log

No.
TP208
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** TP
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:25
CLIENT:	ATRI7 6 LTD	**DATES:** 08/11/24	**Logged** AH / **Checked** NS

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00-1.00	ES					MADE GROUND: Brown clayey gravelly sand with moderate cobble content. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, sandstone, glass, plastic, wood and ceramics. Cobbles are angular to sub-angular of brick and concrete up to 200mm in diameter.
	1.50-1.70 1.50	D HSV	63kPa	1.40			Firm orangish brown sandy CLAY. Sand is fine to coarse.
				2.00 2.20			Orangish brown slightly clayey gravelly SAND. Sand is fine to coarse. Gravel is sub-rounded to rounded fine to coarse of sandstone. End of Trial Pit at 2.20m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. No groundwater encountered.
3. Excavation sides stable.
4. Excavation backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Trial Pit Log

No.
TP209
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type**: TP
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale**: 1:25
CLIENT:	ATRI7 6 LTD	**DATES:** 08/11/24	**Logged**: AH / **Checked**: NS

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00-1.00	ES					MADE GROUND: Brown slightly clayey gravelly sand with moderate cobble content. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, sandstone, slate and plastic with occasional wood. Cobbles are angular to sub-angular of brick and concrete up to 170mm in diameter.
	1.50-2.00	D					
				2.30			Orangish brown slightly clayey gravelly SAND. Sand is fine to coarse. Gravel is sub-rounded to rounded fine to coarse of sandstone.
				2.50			End of Trial Pit at 2.50m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. No groundwater encountered.
3. Excavation sides stable.
4. Excavation backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS201
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 05/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
		0.05-1.00	ES		0.05			MADE GROUND: Concrete.
								MADE GROUND: Brown very gravelly clayey sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
		1.20	SPT	N=9 (3,2/2,2,3,2)				
		1.30-1.70	D					
		2.00	SPT	N=5 (3,2/2,1,1,1)				
					2.40			MADE GROUND: Firm brown slightly gravelly sandy clay. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of sandstone, brick and coal.
		2.70-2.80	D					
		3.00	SPT	N=10 (3,3/2,3,2,3)	3.00			MADE GROUND: Brown very gravelly very clayey sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone. *Becomes very clayey between 3.20m and 3.50m bgl.*
		3.70	SPT	N≥50 (25 for 125mm/50 for 115mm)	3.60			Extremely weak moderately weathered red fine to coarse grained SANDSTONE recovered as a gravelly sand. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of sandstone.
					3.94			End of Borehole at 3.94m

1.0 2.0 3.0 4.0 5.0 6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 1.20m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 3.94m bgl within bedrock.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS202
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 05/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
		0.00-1.00	ES					MADE GROUND: Brown very gravelly clayey sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
		1.20	SPT	N=9 (2,1/2,2,2,3)				
		1.30-1.70	D					
		2.00	SPT	N=8 (3,3/2,1,2,3)				
		2.30-2.70	D					
		3.00	SPT	N=20 (3,3/2,4,6,8)				
					3.60			Orangish brown slightly clayey very gravelly SAND. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of sandstone.
					3.70			Extremely weak partially weathered red fine to coarse grained SANDSTONE recovered as a gravelly sand. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of sandstone.
		3.80-4.00	D					
		4.00	SPT	N≥50 (25 for 95mm/50 for 190mm)				
					4.29			End of Borehole at 4.28m

1.0 2.0 3.0 4.0 5.0 6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 1.20m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 4.28m bgl within bedrock.
6. Installation to 3.50m bgl: 0.50m plain 50mm, 3.00m slotted upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS203
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 05/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00-0.30	ES		0.30			MADE GROUND: Brown very gravelly clayey sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
								End of Borehole at 0.30m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.30m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.30m bgl due to sample casing refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS203A
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 05/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
					0.30			MADE GROUND: Brown very gravelly clayey sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
								End of Borehole at 0.30m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.30m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.30m bgl due to sample casing refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS203B
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 05/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30	SPT	N≥50 (60 for 145mm/15 for 20mm)	0.47			MADE GROUND: Brown very gravelly clayey sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
								End of Borehole at 0.46m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.35m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.47m bgl due to SPT refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS203C
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 05/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
					0.35			MADE GROUND: Brown very gravelly clayey sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
								End of Borehole at 0.35m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.35m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.35m bgl due to sample casing refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS203D
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 05/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30	SPT	N≥50 (25 for 85mm/50 for 20mm)	0.40			MADE GROUND: Brown very gravelly clayey sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
								End of Borehole at 0.40m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.30m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.40m bgl due to SPT refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS204
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 05/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
		0.00-0.80	ES		0.05			MADE GROUND: Concrete.
								MADE GROUND: Brown very gravelly clayey sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
		0.80	SPT	N≥50 (75 for 90mm/0 for 0mm)	0.89			*Concrete obstruction observed at 0.89m bgl.*
								End of Borehole at 0.89m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.70m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.80m bgl due to concrete obstruction.
6. Borehole backfilled with araisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS204A
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 05/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
					0.05			MADE GROUND: Concrete.
					0.30			MADE GROUND: Brown very gravelly clayey sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
								End of Borehole at 0.30m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.20m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.30m bgl due to sample casing refusal in very dense made ground. 6. Borehole backfilled with araisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS204B
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 05/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05			MADE GROUND: Concrete.
		0.80	SPT	N≥50 (25 for 95mm/50 for 105mm)				MADE GROUND: Brown very gravelly clayey sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
					1.00			End of Borehole at 1.00m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.80m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 1.00m bgl due to sample casing refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS205
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
					0.50			MADE GROUND: Brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
								End of Borehole at 0.50m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.50m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.50m bgl due to sample casing refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS205A
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
					0.40			MADE GROUND: Brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
								End of Borehole at 0.40m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.40m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.40m bgl due to sample casing refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS205B
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
					0.45			MADE GROUND: Brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
								End of Borehole at 0.45m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.45m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.45m bgl due to sample casing refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS205C
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
		0.00-1.00	ES					MADE GROUND: Brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
		1.20	SPT	N=14 (3,3/3,3,4,4)				
		1.30-1.70	D					
		2.00	SPT	N=4 (3,1/1,1,1,1)				*No SPT recovery at 2.00m bgl.* *Poor recovery between 2.00m and 3.00m bgl.*
		2.40-2.60	D					*Becomes very clayey between 2.40m and 2.60m bgl.*
		3.00-3.60	D		3.00			Orangish brown slightly gravelly SAND. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of sandstone.
		3.00	SPT	N=17 (6,6/4,4,4,5)				
		3.80	SPT	N≥50 (25 for 145mm/50 for 145mm)	3.80			Extremely weak moderately weathered red fine to coarse grained SANDSTONE recovered as a gravelly sand. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of sandstone.
					4.09			End of Borehole at 4.09m

1.0 2.0 3.0 4.0 5.0 6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 1.20m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 4.09m bgl within bedrock.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS206
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00-0.50	ES		0.50			MADE GROUND: Brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
								End of Borehole at 0.50m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.50m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.50m bgl due to sample casing refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS206A
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
					0.50			MADE GROUND: Brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
								End of Borehole at 0.50m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.50m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.50m bgl due to sample casing refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS206B
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
					0.40			MADE GROUND: Brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
								End of Borehole at 0.40m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.40m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.50m bgl due to sample casing refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS207
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
					0.50			MADE GROUND: Brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, coal, glass and sandstone.
								End of Borehole at 0.50m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.50m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.50m bgl within bedrock.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS207A
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
		0.00-1.00	ES					MADE GROUND: Brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, coal, glass and sandstone.
		1.20	SPT	N=31 (10,8/7,9,8,7)				
		1.30-1.70	D					
		2.00	SPT	N=20 (4,4/5,6,5,4)				
		2.30-2.70	D					
		3.00	SPT	N=15 (6,6/5,4,3,3)				
					3.70			
		3.80-4.20	D					Extremely weak moderately weathered red fine to coarse grained SANDSTONE recovered as a gravelly sand. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of sandstone.
		4.00	SPT	N≥50 (25 for 115mm/50 for 105mm)				
					4.22			End of Borehole at 4.22m

1.0 2.0 3.0 4.0 5.0 6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 1.20m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 4.22m bgl within bedrock.
6. Installation to 3.50m bgl: 0.50m plain 50mm PVC, 3.00m slotted PVC upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS208
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
		0.00-1.00	ES					MADE GROUND: Brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete, slate, ceramics and sandstone.
		1.00-2.00	ES					
		1.20	SPT	N=17 (5,5/5,4,3,5)				
		2.00	SPT	N=5 (2,1/1,1,2,1)				
					2.40			
		2.50-3.00	D					Orangish brown slightly gravelly slightly clayey SAND. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of sandstone.
		3.00	SPT	N=15 (3,3/4,3,4,4)				
					3.60			
		3.70-7.10	D					Extremely weak moderately weathered red fine to coarse grained SANDSTONE recovered as a gravelly sand. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of sandstone.
		4.00	SPT	N≥50 (25 for 125mm/50 for 115mm)				
					4.24			End of Borehole at 4.24m

1.0 2.0 3.0 4.0 5.0 6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 1.20m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 4.24m bgl within bedrock.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS209
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00-0.50	ES		0.50			MADE GROUND: Brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete and sandstone.
								End of Borehole at 0.50m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.50m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.50m bgl due to sample casing refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS209A
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00-1.00	ES					MADE GROUND: Brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete and sandstone.
		1.20	SPT	N≥50 (25 for 125mm/50 for 20mm)	1.35			End of Borehole at 1.34m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 1.20m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 1.345m bgl due to SPT refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS209B
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
					0.40			MADE GROUND: Brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete and sandstone.
								End of Borehole at 0.40m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.40m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.40m bgl due to sample casing refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS209C
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:** 04/11/24	**Logged** AH / **Checked** NS

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
					0.50			MADE GROUND: Brown slightly clayey very gravelly sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse brick, concrete and sandstone.
								End of Borehole at 0.50m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 0.50m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 0.50m bgl due to sample casing refusal in very dense made ground.
6. Borehole backfilled with arisings upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

BROWNFIELD SOLUTIONS LTD

Borehole Log

Window Sampler No.
WS210
Sheet 1 of 1

PROJECT NO:	C5504	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	VISION, MANCHESTER	**LEVEL:**	**Scale** 1:30
CLIENT:	ATRI7 6 LTD	**DATES:**	04/11/24

Logged	Checked
AH	NS

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00-0.90	ES					MADE GROUND: Brown gravelly clayey sand. Sand is fine to coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, coal, slate and sandstone.
		1.00-1.50	ES					*Becomes very clayey between 0.90m and 1.50m bgl.*
		1.20	SPT	N=24 (6,6/5,6,6,7)				
		1.50-1.80	D		1.50			Orangish brown slightly clayey slightly gravelly SAND. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of sandstone.
		2.00	SPT	N=20 (4,4/6,4,4,6)				*Becomes very gravelly between 1.80m and 3.10m bgl.*
		2.40-2.60	D					
		3.00	SPT	N=16 (4,5/5,3,4,4)				*No SPT recovery at 3.00m bgl.*
		3.70-4.00	D		3.60			Extremely weak moderately weathered red fine to coarse grained SANDSTONE recovered as a gravelly sand. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse of sandstone.
		3.90	SPT	N≥50 (25 for 125mm/50 for 145mm)	4.17			End of Borehole at 4.17m

1.0 2.0 3.0 4.0 5.0 6.0

Remarks

1. Service clearance undertaken by a BSL engineer using CAT & Genny and GPR.
2. Hand pit excavation to 1.20m bgl.
3. No groundwater encountered.
4. Borehole sides stable.
5. Borehole terminated at 4.17m bgl within bedrock.
6. Installation to 1.50m bgl: 0.50m plain 50mm PVC, 1.00m slotted PVC upon completion.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane