Trial Pit Log

No.
TP103
Sheet 1 of 1

PROJECT NO:	C4324	**CO-ORDS:**	**Hole Type**: TP
PROJECT NAME:	HOSTMOOR AVENUE, MARCH	**LEVEL:**	**Scale**: 1:25
CLIENT:	ALDI STORES LTD	**DATES:** 17/09/20	**Logged**: SM / **Checked**: JW

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.20	ES PID	0.1PPM	0.30			MADE GROUND: Light brown slightly clayey sandy gravel. Sand is fine to coarse. Gravel is angular fine to coarse of sandstone.
	0.50	ES PID HSV	0.1PPM 59kPa				Medium strength firm mottled orange brown and grey slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to medium of flint, limestone, mudstone, quartz and shell fragments.
	0.80	HSV	65kPa				*Lens of medium to coarse sand on the north edge of the trial pit from 0.70m to 0.80m bgl.*
▼				1.00			Orange brown slightly gravelly fine to medium SAND. Sand is fine to coarse. Gravel is angular to rounded fine to medium of flint, limestone, mudstone, quartz and shell fragments.
	1.20	ES PID	0.1PPM	1.30			High strength stiff mottled orange brown and grey slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium angular to rounded of flint, limestone, mudstone, quartz and shell fragments.
	1.40	ES PID HSV	0.1PPM 80kPa	1.50			End of Trial Pit at 1.50m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Location scanned using Radio Detection and GPR methods.
2. Groundwater encountered at 1.10m bgl, running sand and slow seepage.
3. Trial pit stable.
4. Soil infiltration test undertaken at 1.50m bgl.
5. Trial pit was 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

Borehole Log

Window Sampler No.
WS01
Sheet 1 of 1

PROJECT NO:	C4324	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	HOSTMOOR AVENUE, MARCH	**LEVEL:**	**Scale** 1:30
CLIENT:	ALDI STORES LTD	**DATES:** 14/09/20	**Logged** AT / **Checked** JW

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
					0.15			MADE GROUND: Concrete
		0.30	ES PID	0.1PPM	0.30			MADE GROUND: Light brown slightly clayey sandy gravel. Sand is fine to coarse. Gravel is angular fine to coarse of sandstone (Subbase).
		0.70	ES PID	0.1PPM	0.60			MADE GROUND: Dark brown slightly gravelly clayey fine to medium sand. Gravel is angular to sub-angular fine to medium of concrete.
	▼	1.20	SPT	N=10 (1,1/1,1,3,5)				Soft reddish brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is angular to sub-angular fine to coarse of chert.
		1.40	ES PID	0.2PPM	1.40			Loose orange brown gravelly fine to medium SAND. Gravel is angular to rounded fine to medium of chert, chalk and shell fragments.
		1.80	D		1.65			Firm grey slightly gravelly CLAY. Gravel is sub-rounded to rounded fine to coarse of chalk.
		2.00	SPT	N=12 (2,1/2,2,4,4)				
		2.40	ES PID	2.3PPM				
		2.50	D					*Becoming stiff from 2.60m bgl.*
		3.00	D SPT	N=24 (3,4/4,5,7,8)				
		4.00	SPT	N=34 (5,6/7,8,9,10)				*Becoming very stiff from 4.00m bgl.*
		5.00	SPT	N=34 (4,4/6,7,8,13)	5.00			End of Borehole at 5.00m

Remarks

1. Location scanned using Radio Detection and GPR methods.
2. Hand dug pit excavated to 1.20m bgl.
3. Groundwater encountered at 1.20m bgl.
4. Location 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
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Borehole Log

		Window Sampler No.	WS02
			Sheet 1 of 1
PROJECT NO:	C4324	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	HOSTMOOR AVENUE, MARCH	**LEVEL:**	**Scale** 1:30
CLIENT:	ALDI STORES LTD	**DATES:** 14/09/20	**Logged** AT / **Checked** JW

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES PID	0.2PPM				MADE GROUND: Light brown gravelly fine to coarse sand. Gravel is angular to sub-angular fine to coarse of limestone.
		0.60	ES PID	0.3PPM	0.50			Brown slightly clayey slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of quartzite and chert.
	▼	1.20	SPT	N=14 (3,2/5,4,3,2)	1.20			Medium dense reddish brown gravelly fine to coarse SAND. Gravel is angular to sub-angular fine to medium of chert, chalk, quartzite and shell fragments.
		1.40	ES PID	0.4PPM				*Band of grey slightly gravelly CLAY between 1.25 and 1.35m bgl. Gravel is sub-angular to rounded fine to coarse of chalk.*
		1.60	D		1.55			Soft grey slightly gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of chalk.
		2.00	SPT	N=10 (1,2/2,2,3,3)	2.00			*Becoming firm from 1.70m bgl.*
		2.40	D					Stiff grey slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of chalk.
		3.00	SPT	N=23 (3,3/4,6,6,7)	3.00			Stiff grey gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of chalk.
		3.80	D					
		4.00	SPT	N=33 (5,4/6,7,8,12)				*Becoming very stiff from 4.00m bgl.*
		5.00	SPT	N=34 (6,7/6,8,10,10)	5.00			End of Borehole at 5.00m

Remarks

1. Location scanned using Radio Detection and GPR methods.
2. Hand dug pit excavated to 1.20m bgl.
3. Groundwater encountered at 1.20m bgl.
4. Location 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
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Borehole Log

		Window Sampler No.	WS03
			Sheet 1 of 1
PROJECT NO:	C4324	**CO-ORDS:**	**Hole Type** WS
PROJECT NAME:	HOSTMOOR AVENUE, MARCH	**LEVEL:**	**Scale** 1:30
CLIENT:	ALDI STORES LTD	**DATES:** 14/09/20	**Logged** AT / **Checked** JW

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
					0.05			MADE GROUND: Grey sandy gravel. Sand is fine to medium. Gravel is sub-angular to angular medium to coarse of mudstone.
		0.20	ES PID	0.1PPM	0.10			MADE GROUND: Light brown slightly clayey sandy gravel. Sand is fine to coarse. Gravel is angular fine to coarse of sandstone.
		0.40	ES PID	0.1PPM	0.40			MADE GROUND: Dark brown slightly gravelly fine to coarse sand. Gravel is angular fine of chert and occasional brick.
					0.70			Soft brown sandy CLAY. Sand is fine to coarse.
		0.90	ES PID	0.0PPM				Medium dense reddish brown gravelly fine to coarse SAND. Gravel is angular to sub-angular fine to medium of chert, chalk, quartzite and shell fragments.
		1.20	SPT	N=23 (2,2/3,5,6,9)				
		1.60	D		1.60			Firm grey slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of chalk.
		2.00	SPT	N=13 (2,2/2,3,3,5)				
		2.50	D					
		3.00	SPT	N=22 (4,3/4,6,5,7)				*Becoming stiff from 3.00m bgl.*
		3.60	D		3.60			Very stiff grey slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of chalk and occasional quartzite.
		4.00	SPT	N=23 (5,5/5,5,6,7)				
		5.00	SPT	N=33 (4,4/6,9,9,9)	5.00			End of Borehole at 5.00m

1.0 2.0 3.0 4.0 5.0 6.0

Remarks

1. Location scanned using Radio Detection and GPR methods.
2. Hand dug pit excavated to 1.20m bgl.
3. Groundwater not encountered.
4. Monitoring well installed to 5.00m bgl; 0.00m-0.70m bgl plain and 0.70m-5.00m bgl slotted pipe.

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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

Borehole Log

Window Sampler No.	WS04
	Sheet 1 of 1
PROJECT NO: C4324	**CO-ORDS:**
PROJECT NAME: HOSTMOOR AVENUE, MARCH	**LEVEL:**
CLIENT: ALDI STORES LTD	**DATES:** 14/09/20
Hole Type	WS
Scale	1:30
Logged	AT
Checked	JW

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05			MADE GROUND: Grey sandy gravel. Sand is fine to medium. Gravel is sub-angular to angular medium to coarse of mudstone.
					0.30			MADE GROUND: Light brown slightly clayey sandy gravel. Sand in fine to coarse. Gravel is angular fine to coarse of sandstone.
		0.40	ES PID	0.2PPM				Dark brown slightly gravelly clayey SAND. Sand is fine to coarse. Gravel is angular to sub-rounded fine to coarse of chert and quartzite. Slight organic odour.
		0.70	ES PID	1.3PPM	0.70			Firm light brown gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of chalk, chert and quartzite.
		1.20	SPT	N=8 (2,2/2,2,2,2)				
		1.50	D		1.50			Stiff grey mottled brown slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of chalk and chert.
								Cobbles of chalk and chert between 1.80 and 2.80m bgl.
		2.00	SPT	N=9 (1,2/2,2,2,3)				*Very stiff from 2.00m bgl.*
		2.50	D					
		2.80	SPT	N=32 (6,5/6,7,8,11)	2.80			End of Borehole at 2.80m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Location scanned using Radio Detection and GPR methods.
2. Hand dug pit excavated to 1.20m bgl.
3. Groundwater not encountered.
4. Location 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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Borehole Log

Window Sampler No.	WS05
	Sheet 1 of 1
PROJECT NO:	C4324
CO-ORDS:	
Hole Type	WS
PROJECT NAME:	HOSTMOOR AVENUE, MARCH
LEVEL:	
Scale	1:30
CLIENT:	ALDI STORES LTD
DATES:	15/09/20
Logged	AT
Checked	JW

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES PID	0.2PPM				MADE GROUND: Brown gravelly fine to coarse sand. Gravel is angular to sub-angular fine to coarse of brick, concrete, quartzite and clinker.
					0.60			
		0.70	ES PID	0.4PPM				MADE GROUND: Brown slightly clayey gravelly fine to coarse sand. Gravel is angular to sub-rounded fine to coarse of concrete, chalk, chert and occasional brick.
		1.20	ES SPT	N=8 (3,1/2,2,2,2)	1.20			MADE GROUND: Brown slightly clayey slightly gravelly fine to coarse sand. Gravel is angular to sub-rounded fine to coarse of quartzite, chalk and occasional clinker.
			PID	0.0PPM	1.45			Reddish brown gravelly fine to coarse SAND. Gravel is angular to sub-angular fine to medium of chert, chalk, quartzite and shell fragments.
		1.50	ES PID	0.2PPM	1.55			Firm grey slightly gravelly CLAY. Gravel is sub-rounded to rounded fine to coarse of chalk.
		1.60	D					*Cobble of chalk between 1.60 and 1.70m bgl.*
		2.00	SPT	N=13 (1,2/2,3,3,5)				*Layer of reddish brown gravelly fine to coarse sand as above between 1.80 and 1.90m bgl.*
								Becoming stiff from 2.10m bgl.
		2.50	D					*Becoming gravelly from 2.50m bgl. Gravel is sub-angular to rounded fine to coarse of chalk.*
		3.00	SPT	N=20 (3,2/4,4,5,7)				*Becoming very stiff from 3.50m bgl.*
		4.00	SPT	N=27 (5,4/6,6,6,9)	4.00			End of Borehole at 4.00m

1.0
2.0
3.0
4.0
5.0
6.0

Remarks

1. Location scanned using Radio Detection and GPR methods.
2. Hand dug pit excavated to 1.20m bgl.
3. Groundwater not encountered.
4. Location 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
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