APPENDIX B

Exploratory Hole Logs

Borehole Log

		Borehole No.	BH01
			Sheet 1 of 2
PROJECT NO:	C4324	**CO-ORDS:**	**Hole Type** CP
PROJECT NAME:	HOSTMOOR AVENUE, MARCH	**LEVEL:**	**Scale** 1:50
CLIENT:	ALDI STORES LTD	**DATES:** 16/09/20	**Logged** AT / **Checked** JW

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m OD)	Legend	Stratum Description
		0.20	ES		0.20			MADE GROUND: Concrete
			PID	0.1PPM				
		0.40	ES		0.40			MADE GROUND: Reddish brown slightly clayey slightly gravelly fine to coarse sand. Gravel is angular to sub-rounded fine to coarse of chert, concrete and quartzite.
			PID	0.3PPM	0.60			
		0.50	D					
		0.60	ES					MADE GROUND: Dark brown and grey slightly gravelly clayey fine to coarse sand. Gravel is angular to sub-angular fine to coarse of chert and concrete. Slight hydrocarbon odour.
			PID	0.0PPM				
		1.20	SPT	N=11 (2,2/3,2,3,3)	1.40			Light brown gravelly fine to coarse SAND. Gravel is angular to sub-rounded fine to coarse of chert and quartzite.
		1.65	D					Firm grey slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of chalk.
		1.80	ES					
			PID	0.0PPM				
		1.90	D					
		2.00	D					
		2.10-2.60	U					
		2.60	D					
		3.00-3.50	U					
		3.50	D					
		4.00	SPT	N=33 (4,4/6,8,9,10)	4.00			Stiff grey slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of chalk.
		5.00	SPT	N=31 (4,5/6,8,8,9)				
		6.00	SPT	N=28 (2,3/4,6,8,10)				
		6.50	D					*Cobble of chert from 6.40 to 6.50m bgl.*
		7.00	SPT	N≥50 (7,6/9,15,18,20)	7.00			Very stiff grey slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of chalk.
		8.00	SPT	N=37 (5,5/9,8,9,11)				
		9.00	SPT	N=36 (5,4/6,8,10,12)				
		10.00	SPT	N=36 (5,5/7,9,10,10)				

Remarks

1. Location scanned using Radio Detection and GPR methods.
2. Hand dug pit excavated to 1.20m bgl.
3. Groundwater encountered at 1.30m bgl, rising to 1.15m bgl after 20 minutes.
4. Monitoring well installed to 10.00m bgl; 0.00m-1.00m bgl plain and 1.00m-10.00m bgl slotted pipe.

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

Borehole No.
BH01
Sheet 2 of 2

PROJECT NO:	C4324	**CO-ORDS:**	**Hole Type** CP
PROJECT NAME:	HOSTMOOR AVENUE, MARCH	**LEVEL:**	**Scale** 1:50
CLIENT:	ALDI STORES LTD	**DATES:** 16/09/20	**Logged** AT / **Checked** JW

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
					10.45			End of Borehole at 10.45m

11.0
12.0
13.0
14.0
15.0
16.0
17.0
18.0
19.0
20.0

Remarks

1. Location scanned using Radio Detection and GPR methods.
2. Hand dug pit excavated to 1.20m bgl.
3. Groundwater encountered at 1.30m bgl, rising to 1.15m bgl after 20 minutes.
4. Monitoring well installed to 10.00m bgl; 0.00m-1.00m bgl plain and 1.00m-10.00m bgl slotted pipe.

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

Borehole No.
BH02
Sheet 1 of 2

PROJECT NO:	C4324	**CO-ORDS:**	**Hole Type** CP
PROJECT NAME:	HOSTMOOR AVENUE, MARCH	**LEVEL:**	**Scale** 1:50
CLIENT:	ALDI STORES LTD	**DATES:** 16/09/20 - 17/09/20	**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		0.05			MADE GROUND: Angular to sub-angular coarse gravel of chert.
			PID	0.0PPM	0.30			MADE GROUND: Dark brown gravelly fine to coarse sand. Gravel is angular to sub-angular fine to coarse of chert, quartzite, concrete and occasional brick. Faint organic odour.
		0.40	ES		0.50			
			PID	0.1PPM				
		0.50	D		0.70			MADE GROUND: Dark brown slightly gravelly clayey fine to coarse sand. Gravel is angular fine to coarse of chert, quartzite and occasional concrete. Faint organic odour.
		0.60	ES					
			PID	0.0PPM				
		0.90	ES					
			PID	0.0PPM				
		1.20	SPT	N=9 (1,2/2,2,3,2)				Soft reddish brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is angular to sub-angular fine to coarse of chert.
		1.65	D					Loose reddish brown gravelly fine to coarse SAND. Gravel is angular to sub-angular fine to medium of chert, chalk, quartzite and shell fragments.
		1.90	D		1.90			
		2.10-2.60	U					Firm grey to brown slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of chalk.
		2.50	D					*Becoming stiff from 2.50m bgl.*
			PID	0.1PPM				
		2.60	D					
		3.10-3.60	U					
		3.60	D					*Very stiff from 3.50m to 4.00m bgl.*
		4.00-4.50	U					*Becoming stiff from 4.00m bgl.*
		4.50	D					
	▼	5.00	SPT	N=32 (3,3/5,7,10,10)				
	▽				5.40			Brown slightly clayey fine to medium SAND.
		5.60	D		5.70			Stiff grey slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of chalk.
		6.00	SPT	N=32 (3,2/5,8,9,10)				
		6.50	D		6.50			White and light grey very soft chalky CLAY.
			ES					
			PID	0.0PPM				
		7.00	SPT	N=24 (3,3/5,6,7,6)				
		8.00	SPT	N=29 (2,3/5,7,8,9)	8.00			Stiff grey slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of chalk.
		9.00	SPT	N=42 (2,4/6,9,12,15)				*Becoming very stiff from 9.00m bgl.*
								Cobble of mudstone from 9.50 to 9.65m bgl.
		10.00	D					

1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0

Remarks

1. Location scanned using Radio Detection and GPR methods.
2. Hand dug pit excavated to 1.20m bgl.
3. Groundwater encountered at 5.50m bgl, rising to 4.90m bgl after 20 minutes.
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
HSV = Hand Shear Vane

Borehole Log

Borehole No.
BH02
Sheet 2 of 2

PROJECT NO:	C4324	**CO-ORDS:**	**Hole Type** CP
PROJECT NAME:	HOSTMOOR AVENUE, MARCH	**LEVEL:**	**Scale** 1:50
CLIENT:	ALDI STORES LTD	**DATES:** 16/09/20 - 17/09/20	**Logged** AT / **Checked** JW

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
			SPT	N≥50 (50 for 30mm/50 for 30mm)	10.45			*Cobble of limestone from 10.00 to 10.10m bgl.*
								End of Borehole at 10.45m

11.0
12.0
13.0
14.0
15.0
16.0
17.0
18.0
19.0
20.0

Remarks

1. Location scanned using Radio Detection and GPR methods.
2. Hand dug pit excavated to 1.20m bgl.
3. Groundwater encountered at 5.50m bgl, rising to 4.90m bgl after 20 minutes.
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
HSV = Hand Shear Vane

Trial Pit Log

			No. HP01 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:** 15/09/20	**Logged** AT / **Checked** JW

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.10	ES PID	0.3PPM	0.20			MADE GROUND: Brown slightly gravelly fine to coarse sand. Gravel is angular to sub-rounded fine to coarse of quartzite, chert, chalk and occasional concrete.
	0.60	ES PID	0.1PPM	0.60			Brown gravelly fine to coarse SAND. Gravel is angular to sub-rounded fine to coarse of chert, chalk and quartzite.
							End of Trial Pit at 0.60m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Location scanned using Radio Detection and GPR methods.
2. Hand dug pit excavated to 0.60m 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
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

Trial Pit Log

No.
TP101
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				
	0.10	ES					MADE GROUND: Grey sandy gravel. Sand is fine to medium. Gravel is sub-angular to angular medium to coarse of mudstone. Moderate putrid odour.
		PID	0.1PPM	0.20			
	0.25	ES					MADE GROUND: Light brown slightly clayey sandy gravel. Sand is fine to coarse. Gravel is angular fine to coarse of sandstone.
		PID	0.1PPM	0.30			
	0.50	ES					Firm dark brown sandy CLAY. Sand is fine to coarse. Faint organic odour.
		PID	0.2PPM	0.70			
	1.00	ES					Orange brown slightly gravelly fine to medium SAND. Gravel is angular to rounded fine to medium of flint, limestone, mudstone, quartz and shell fragments.
		PID	0.0PPM	1.10			
	1.20	HSV	75kPa				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.
	1.50	ES					
		PID	0.0PPM				
▽	1.60	HSV	53kPa				
				1.80			End of Trial Pit at 1.80m

1.0
2.0
3.0
4.0
5.0

Remarks

1. Location scanned using Radio Detection and GPR methods.
2. Groundwater encountered at 1.80m bgl, slow seepage at the base of the trial pit.
3. Trial pit stable.
4. Soil infiltration test undertaken at 1.80m 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

Trial Pit Log

No.
TP102
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				
				0.10			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	0.0PPM	0.30			MADE GROUND: Light brown slightly clayey sandy gravel. Sand in fine to coarse. Gravel is angular fine to coarse of sandstone.
	0.35	ES PID	0.0PPM	0.40			Firm dark brown sandy CLAY. Sand is fine to coarse. Faint organic odour.
	0.50	HSV	51kPa				
	0.60	ES PID	0.2PPM				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.
	1.00	HSV	80kPa				*Becoming stiff at 1.00m bgl.* *High strength from 1.00m bgl.*
	1.40	HSV	120kPa				*Becoming very stiff at 1.40m bgl.*
				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. No groundwater encountered.
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