APPENDIX B

EXPLORATORY HOLE RECORDS

BOREHOLE RECORD

BH No. **SBH01** Sheet 1 of 1

Site: Oughtibridge Mill | Contract No: C6485A

Client: ASE II Developments Ltd | Dates: 09/12/2015 - 10/12/2015

Method: Shell and Auger Rig with 6inch casing. | Scale: 1:50

Logged By: J-C.R | Checked By: G.H

Driller: Tony Quinn Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	N (Cu)	Ground -water	Description	Depth (m)	Level (m AOD)	Legend	Well
B	0.20			MADE GROUND: Strong grey CONCRETE comprising of 70% clasts and 10% small voids. Clasts are angular fine to coarse gravel sized fragments of limestone.	0.20	95.15		
D	0.20 - 0.50							
B	0.50 - 1.00			MADE GROUND: Light yellow sandy GRAVEL of sub-angular concrete.	0.50	94.85		
			1	MADE GROUND: Medium dense dark brown sandy silty GRAVEL of sub-angular concrete and sandstone. Low content of sub-angular cobbles of sandstone and concrete.				
B	1.20 - 1.70	50 (2,2/50 for 275mm)		*at 1.20m SPT may not be representative owing to cobble content.*				
D	1.40							
B	1.80 - 2.30							
			2	Medium dense brown silty GRAVEL of sub-angular to sub-rounded sandstone. Low content of sub-angular cobbles/boulders of sandstone. (Possible ALLUVIUM)	2.00	93.35		
D	2.30	N=24 (4,5/5,6,6,7)						
D	2.50							
B	2.70 - 2.80							
B	3.10 - 3.50			Stiff friable brown sandy gravelly CLAY. Low plasticity. Gravel is sub-angular to sub-rounded of sandstone. (ALLUVIUM)	3.10	92.25		
U (46)	3.50 - 3.85			*between 3.50m and 3.85m undrained shear strength in triaxial compression = 24kPa*				
D	3.90		4					
B	4.30 - 4.80			Brown silty GRAVEL of sub-angular to sub-rounded sandstone. Low content of sub-angular cobbles/boulders of sandstone. (Possible ALLUVIUM)	4.30	91.05		
B	4.90 - 5.40	50 (4,4/50 for 240mm)	5	*at 4.90m SPT may not be representative owing to cobble/boulder content.*				
D	5.10							
D	5.90		6					
B	6.30 - 6.70			Very dense dark grey clayey sandy GRAVEL of sub-angular mudstone. (Completely weathered MILLSTONE GRIT FORMATION).	6.30	89.05		
D	6.70	50 (8,9/50 for 285mm)						
D	7.00	50 (11,13/50 for 225mm)	7	End of Borehole at 7.00m	7.00	88.35		
			8					
			9					
			10					

Remarks:

1. Hard standing broken out using hydraulic breaker. 2. Borehole terminated at 7.00m bgl in Weathered Millstone Grit. 3. Groundwater encountered at 4.20m, rising to 3.10m after 20mins; groundwater encountered at 6.80m rising to 4.00m after 20mins. 4. Chiselling hard strata from 0.90m to 1.00m (15mins), 1.90m to 2.10m (45mins), 4.40m to 4.55m (15mins), 5.20m to 5.40m (45mins), 6.90m to 7.00m (30mins). 5. Ground gas and groundwater monitoring well installed as detailed above. 6. Ground level and coordinates level taken from topographical survey supplied by client. Nearest ground level owing to location undertaken internally.

GL (mAOD) 95.35

Easting: 430574700.82

Northing: 393935333.85

Fig No. SBH01

BOREHOLE RECORD

BH No. **SBH02** Sheet 1 of 1

Site: Oughtibridge Mill | Contract No: C6485A

Client: ASE II Developments Ltd | Dates: 26/11/2015 - 27/11/2015

Method: Shell and Auger Rig with 6inch casing. | Scale: 1:50

Logged By: J-C.R | Checked By: G.H

Driller: Tony Quinn Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	N (Cu)	Ground -water	Description	Depth (m)	Level (m AOD)	Legend	Well
D	0.15			MADE GROUND: Light grey strong reinforced CONCRETE comprising 60% clasts and 10% small voids. Clasts are angular fine to coarse gravel sized fragments of limestone.	0.15	95.19		
B	0.20 - 0.40							
B	0.50			MADE GROUND: Orangish light yellow clayey sandy GRAVEL of sub-angular concrete and sandstone. (Sub-base)				
			1		1.00	94.34		
D	1.15			MADE GROUND: Loose brown very clayey sandy GRAVEL of angular to sub-angular sandstone and concrete.				
B	1.20 - 1.70	N=6						
D	1.50	(1,1/1,1,2,2)						
B	2.00		2	Very stiff friable brown sandy gravelly CLAY. Low plasticity. Gravel is sub-angular to sub-rounded of sandstone. Low content of sub-angular cobbles of sandstone. (ALLUVIUM)	2.00	93.34		
U (29)	2.20 - 2.50			*between 2.20m and 2.55m undrained shear strength in triaxial compression = 27kPa*				
D	2.60							
			3					
B	3.20	50 (25 for 135mm/50 for 30mm)		*at 3.20m SPT may not be representative owing to cobble content.*				
D	3.20 - 3.70							
			4					
U (46)	4.20 - 4.65							
D	4.70							
B	5.20	50 (3,7/50 for 95mm)		*at 5.20m SPT may not be representative owing to cobble/boulder content.*				
D	5.20 - 5.70							
			6					
B	6.20			Dense brown clayey sandy GRAVEL of sub-angular and sub-rounded sandstone. Low content of sub-angular cobbles of sandstone. (Possible ALLUVIUM)	6.20	89.14		
B	6.50 - 7.00	N=31						
D	6.70	(3,6/6,8,8,9)						
			7					
B	7.40			Very dense dark grey/black clayey GRAVEL of sub-angular mudstone. (Completely weathered MILLSTONE GRIT FORMATION).	7.40	87.94		
B	7.50	50 (6,12/50 for 90mm)						
D	7.50 - 8.00							
			8	End of Borehole at 8.00m	8.00	87.34		
			9					
			10					

Remarks:

1. Hard standing broken out using hydraulic breaker. 2. Borehole terminated at 8.00m bgl in Weathered Millstone Grit Formation. 3. Groundwater encountered at 6.10m rising to 5.10m bgl after 20mins. 4. Chiselling hard strata from 3.50m to 3.65m bgl (30mins). 5. Ground gas and groundwater monitoring well installed as detailed above. 6. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level owing to location undertaken internally.

GL (mAOD) 95.34

Easting: 430455280.75

Northing: 394000510.63

Fig No. SBH02

BOREHOLE RECORD

BH No. **SBH03** Sheet 1 of 1

Site: Oughtibridge Mill | Contract No: C6485A

Client: ASE II Developments Ltd | Dates: 27/11/2015 - 30/11/2015

Method: Shell and Auger Rig with 6inch casing. | Scale: 1:50

Logged By: J-C.R | Checked By: G.H

Driller: Tony Quinn Drilling

SAMPLE DETAILS

STRATA RECORD

Type	Depth From - To(m)	N (Cu)	Ground -water	Description	Depth (m)	Level (m AOD)	Legend	Well
D B	0.30 0.40 - 0.90			MADE GROUND: Light grey strong reinforced CONCRETE comprising 60% clasts and 10% small voids. Clasts are angular fine to coarse gravel sized fragments of limestone.	0.30	95.16		
				MADE GROUND: Light brown sandy GRAVEL of sub-angular sandstone and concrete. (Sub-base).				
B D	1.00 - 1.20 1.50	N=9 (1,2/2,2,2,3)	1 2	MADE GROUND: Loose brown clayey sandy GRAVEL of sub-angular brick and concrete.	1.00	94.46		
B D B	2.20 2.20 - 2.70 2.50 - 3.00	N=5 (1,1/1,1,1,2)						
			3	Firm low strength brownish grey sandy gravelly CLAY. Intermediate plasticity. Gravel is sub-angular sandstone. (ALLUVIUM)	2.50	92.96		
B D	3.20 3.20	N=6 (1,1/1,1,2,2)	4					
B	4.10 - 4.50			Dense orangish brown very gravelly clayey very silty fine to coarse SAND. Low content of sub-angular cobbles of sandstone. (Possible ALLUVIUM)	4.10	91.36		
B D	4.50 - 5.00 4.70	50 (25 for 80mm/50 for 30mm)		*at 4.50m SPT may not be representative owing to cobble content.*				
			5					
D B	5.50 5.70							
B D	6.00 6.00 - 6.50	N=37 (4,7/8,9,10,10)	6	*from 6.00m increasing clay content, described as low plasticity*				
				Very stiff very high strength dark brown/grey sandy very gravelly CLAY. Low plasticity. Gravel is sub-angular of mudstone. (Completely weathered MILLSTONE GRIT FORMATION)	6.50	88.96		
D	7.00		7					
B D	7.50 7.50 - 8.00	50 (9,13/50 for 85mm)						
			8					
B D	8.50 8.50	50 (10,13/50 for 95mm)		End of Borehole at 8.50m	8.50	86.96		
			9					
			10					

Remarks:

1. Hard standing broken out using hydraulic breaker. 2. Borehole terminated at 8.50m bgl in Weathered Millstone Grit Formation. 3. Chiselling hard strata between 4.80m to 5.00m bgl (45mins); 7.10m to 7.30m bgl (30mins); 8.20m to 8.35m bgl (30mins). 4. Groundwater encountered at 3.00m at start of shift on 30.11.15, groundwater encountered at 8.10m rising to 5.00m bgl. 5. Hole backfilled with arisings on completion. 6. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level owing to location undertaken internally.

GL (mAOD) 95.46

Easting: 430326232.22

Northing: 393999913.85

Fig No. SBH03

BOREHOLE RECORD

BH No. **SBH04** Sheet 1 of 1

Site: Oughtibridge Mill | Contract No: C6485A

Client: ASE II Developments Ltd | Dates: 02/12/2015 - 02/12/2015

Method: Shell and Auger Rig with 6inch casing. | Scale: 1:50

Logged By: J-C.R | Checked By: G.H

Driller: Tony Quinn Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	N (Cu)	Ground -water	Description	Depth (m)	Level (m AOD)	Legend	Well
D B	0.20 0.30 - 0.80			MADE GROUND: Strong dark grey ASPHALT comprising of 70% clasts and 10% small voids. Clasts are angular fine to coarse gravel sized fragments of limestone.	0.15	95.28		
			1	MADE GROUND: Loose grey sandy clayey GRAVEL of sub-angular brick, concrete and sandstone.				
B D	1.20 - 1.70 1.40	N=6 (1,1/1,1,2,2)						
B	2.00 - 2.30		2	Stiff high strength orangish brown sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular of sandstone. Low content of sub-angular cobbles of sandstone. (ALLUVIUM)	2.00	93.43		
B D	2.30 2.30 - 2.80	N=19 (2,4/4,5,5,5)						
			3					
B D	3.30 3.30 - 3.80	50 (4,5/50 for 245mm)		*at 3.30m SPT may not be representative owing to cobble content.*				
B	4.10 - 4.30			Orangish brown sandy GRAVEL of sub-angular to sub-rounded sandstone. Low content of subangular cobbles/boulders of sandstone. (Possible ALLUVIUM)	4.00	91.43		
B D	4.40 - 4.90 4.60	50 (25 for 85mm/50 for 230mm)		*at 4.40m SPT not representative owing to cobble/boulder content*				
B	5.00 - 5.30		5	Very stiff very high strength black grey gravelly CLAY. Low plasticity (field description). Gravel is angular of mudstone. (Completely weathered MILLSTONE GRIT FORMATION).	5.00	90.43		
B D	5.40 5.40 - 5.90	N=32 (5,5/7,8,8,9)						
			6					
D B D	6.40 6.50 6.70	40 (9,10/40 for 165mm)		Very weak dark grey MUDSTONE. (MILLSTONE GRIT FORMATION).	6.50 6.70	88.93 88.73		
			7	End of Borehole at 6.70m				
			8					
			9					
			10					

Remarks:

1. Hard standing broken out using hydraulic breaker. 2. Borehole terminated in bedrock at 6.70m bgl. 3. Groundwater encountered at 4.00m rising to 3.00m bgl after 20mins, groundwater encountered at 6.30m rising to 4.10m bgl. 4. Chiselling hard strata from 2.90m to 3.10m bgl (30mins); 3.50m to 3.75m bgl (45mins); 4.60m to 4.90m bgl (15mins). 5. Ground gas and groundwater well as detailed above. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 95.43

Easting: 430286426.78

Northing: 394059153.63

Fig No. SBH04

BOREHOLE RECORD

BH No. **SBH05** Sheet 1 of 1

Site: Oughtibridge Mill | Contract No: C6485A

Client: ASE II Developments Ltd | Dates: 01/12/2015 - 01/12/2015

Method: Shell and Auger Rig with 6inch casing. | Scale: 1:50

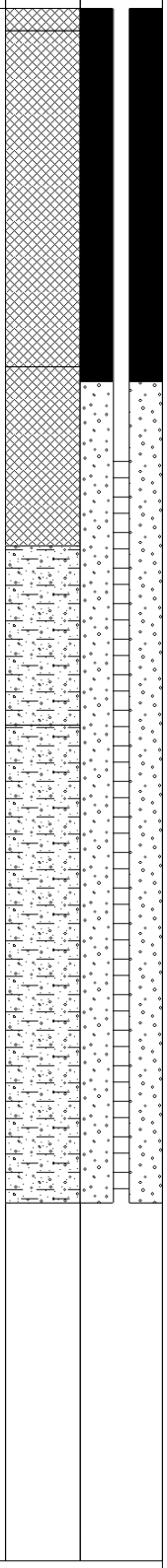
Logged By: J-C.R | Checked By: G.H

Driller: Tony Quinn Drilling

SAMPLE DETAILS

STRATA RECORD

Type	Depth From - To(m)	N (Cu)	Ground -water	Description	Depth (m)	Level (m AOD)
D	0.15			MADE GROUND: Strong dark grey ASPHALT comprising of 70% clasts and 10% small voids. Clasts are angular fine to coarse gravel sized fragments of limestone.	0.15	99.64
B	0.20 - 0.50			MADE GROUND: Very loose grey brown sandy GRAVEL of angular brick and concrete.		
B	1.20 - 1.70	N=1 (1,0/0,1,0,0)				
D	1.50					
B	2.20 - 2.70	N=3				
D	2.30	(1,0/1,0,1,1)				
B	2.40 - 2.90			MADE GROUND: Medium dense yellow clayey slightly sandy GRAVEL of angular to sub-angular sandstone and occasional brick fragments. Low content of angular to sub-angular cobbles of sandstone.	2.40	97.39
B	3.10 - 3.60	N=29		*from 3.10m becoming dense*		
D	3.30	(6,6/7,7,7,8)				
B	3.70 - 4.20			Stiff friable dark grey sandy slightly gravelly CLAY. Low plasticity. Gravel is sub-angular of mudstone. (ALLUVIUM)	3.60	96.19
U (31)	4.30 - 4.65			*between 4.30m and 4.65m undrained shear strength in triaxial compression = 15kPa*		
D	4.70					
B	4.80 - 5.30			Very stiff very high strength dark brown sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular of mudstone. (Completely weathered MILLSTONE GRIT FORMATION).	4.80	94.99
B	5.40	40 (6,8/40 for 230mm)				
D	5.40 - 5.60					
D	6.40					
B	6.90	62 (5,10/62 for 230mm)				
D	6.90 - 7.40					
D	7.90					
D	8.00	50 (7,12/50 for 235mm)		End of Borehole at 8.00m	8.00	91.79



Remarks:

1. Hard standing broken out using hydraulic breaker. 2. Borehole terminated in Weathered Millstone Grit Formation at 8.00m bgl. 3. Groundwater encountered at 0.40m bgl. 4. Chiselling hard strata from 5.60m to 5.85m bgl (45mins); 7.45m to 7.60m bgl (30mins). 5. Ground gas and groundwater monitoring well installed as detailed above. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 99.79

Easting: 430355820.99

Northing: 394126967.77

Fig No. SBH05

BOREHOLE RECORD

BH No. **SBH06** Sheet 1 of 1

Site: Oughtibridge Mill | Contract No: C6485A

Client: ASE II Developments Ltd | Dates: 02/12/2015 - 03/12/2015

Method: Shell and Auger Rig with 6inch and 8inch casing. | Scale: 1:50

Logged By: J-C.R | Checked By: G.H

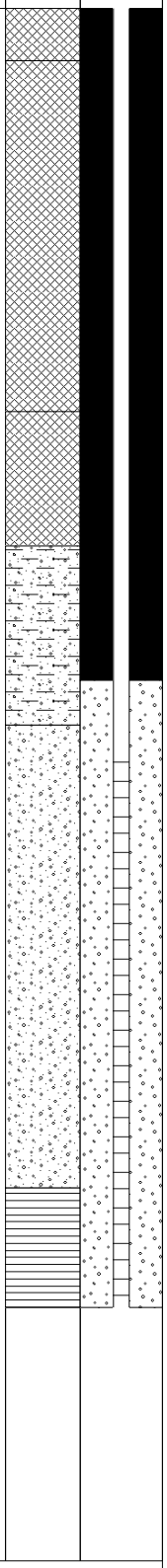
Driller: Tony Quinn Drilling

SAMPLE DETAILS

Type	Depth From - To(m)	N (Cu)	Ground -water
D	0.00		
B	0.10 - 0.30		
B	0.35 - 0.85		
B	1.20 - 1.70	N=12	
D	1.40	(2,2/2,3,3,4)	
B	2.20 - 2.70	N=15	
D	2.40	(2,3/3,4,4,4)	
B	2.70 - 3.20		
B	3.20	N=15	
		(2,2/2,3,5,5)	
B	3.70 - 4.20		
B	4.30	N=20	
D	4.30 - 4.50	(2,4/4,5,5,6)	
B	4.80 - 5.30		
B	5.30 - 5.80	40 (5,7/40 for	
D	5.50	230mm)	
D	6.30		
B	6.80 - 7.30	50 (25 for	
D	7.00	95mm/50 for 240mm)	
B	7.90 - 8.40		
B	8.40	52 (8,12/52 for	
D	8.40 - 8.70	230mm)	
D	8.70	50 (25 for 80mm/50 for 235mm)	

STRATA RECORD

Description	Depth (m)	Level (m AOD)
MADE GROUND: Dark brown sandy GRAVEL of sub-angular brick and concrete.		
MADE GROUND: Medium dense black ashy sandy GRAVEL of sub-angular brick, metal, wood and sandstone.	0.35	100.17
MADE GROUND: Firm medium strength grey brown sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular of brick.	2.70	97.82
Stiff friable grey brown sandy gravelly CLAY. Intermediate plasticity. Gravel is sub-angular of sandstone. (ALLUVIUM)	3.60	96.92
at 4.30m SPT may not be representative owing to cobble content.		
Dense dark grey sandy GRAVEL of sub-angular mudstone. (Completely weathered MILLSTONE GRIT FORMATION).	4.80	95.72
Very weak dark grey MUDSTONE. (MILLSTONE GRIT FORMATION)	7.90	92.62
End of Borehole at 8.70m	8.70	91.82



Remarks:

1. Borehole terminated in bedrock at 8.00m bgl. 2. Groundwater encountered at 3.10m rising to 3.00m bgl; groundwater encountered at 8.30m rising to 4.50m bgl. 3. Chiselling hard strata from 5.80m to 6.00m bgl (30mins); 7.20m to 7.40m bgl (30mins); 8.60m to 8.70m bgl (30mins). 4. Clean drilling techniques adopted between 3.60m-4.60m. 5. Ground gas and groundwater monitoring well installed as detailed above. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 100.52

Easting: 430284398.45

Northing: 394179779.22

Fig No. SBH06

BOREHOLE RECORD

BH No. **SBH07** Sheet 1 of 1

Site: Oughtibridge Mill | Contract No: C6485A

Client: ASE II Developments Ltd | Dates: 03/12/2015 - 04/12/2015

Method: Shell and Auger Rig with 6inch and 8inch casing. | Scale: 1:50

Logged By: J-C.R | Checked By: G.H

Driller: Tony Quinn Drilling

SAMPLE DETAILS

STRATA RECORD

Type	Depth From - To(m)	N (Cu)	Ground -water	Description	Depth (m)	Level (m AOD)	Legend	Well
D	0.00			MADE GROUND: Orangish brown sandy GRAVEL of angular to sub-angular brick.	0.15	100.60		
B	0.10							
B	0.20 - 0.70			MADE GROUND: Loose black ashy sandy GRAVEL of sub-angular brick, metal, wood and sandstone.				
B	1.20 - 1.70	N=9						
D	1.40	(1,1/2,2,2,3)						
				from 2.20m becoming medium dense				
B	2.20 - 2.70	N=14						
D	2.40	(1,2/2,3,4,5)						
				from 3.00m becoming dense				
B	3.20 - 3.70	N=23						
D	3.40	(3,4/5,5,6,7)						
B	4.10 - 4.60			MADE GROUND: Dense dark black ashy sandy GRAVEL of angular to sub-angular concrete and sandstone.	4.10	96.65		
B	4.60 - 5.10	N=28						
D	4.80	(5,6/6,6,7,9)						
B	5.50			Firm greenish brown sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular of sandstone. (ALLUVIUM).	5.50	95.25		
B	5.80 - 6.30				5.80	94.95		
B	6.30 - 6.50	N=34		Dense greenish grey silty sandy GRAVEL of sub-angular sandstone and mudstone. Low content of sub-angular cobbles of sandstone. (ALLUVIUM)				
D	6.40	(5,6/7,9,9,9)						
B	6.60 - 7.10			Yellow very sandy GRAVEL of sub-angular sandstone. Low content of sub-angular cobbles of sandstone. (Possible ALLUVIUM).	6.60	94.15		
B	7.10 - 7.60	50 (8,13/50 for 230mm)		*at 6.00m and 7.00m SPTs may not be representative owing to cobble content*				
D	7.30							
D	7.90	50 (25 for 135mm/50 for 226mm)		End of Borehole at 7.90m	7.90	92.85		

Remarks:

1. Borehole terminated in Possible Alluvium at 7.90m bgl. 2. Groundwater encountered at 4.10m rising to 3.50m bgl after 20mins. 3. Chiselling hard strata from 1.70m to 1.50m bgl (30mins); 6.85m to 6.70m bgl (30mins); 7.90m (60mins). 4. Clean drilling techniques adopted between 6.50m and 5.50m bgl. 5. Ground gas and groundwater monitoring well installed as detailed above. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 100.75

Easting: 430228215.29

Northing: 394185338.81

Fig No. SBH07

BOREHOLE RECORD

BH No. **SBH08** Sheet 1 of 2

Site: Oughtibridge Mill | Contract No: C6485A

Client: ASE II Developments Ltd | Dates: 07/12/2015 - 08/12/2015

Method: Shell and Auger Rig with 6inch and 8inch casing. | Scale: 1:50

Logged By: J-C.R | Checked By: G.H

Driller: Tony Quinn Drilling

SAMPLE DETAILS				STRATA RECORD			
Type	Depth From - To(m)	N (Cu)	Ground -water	Description	Depth (m)	Level (m AOD)	Legend / Well
D	0.00			MADE GROUND: Dark brown clayey gravelly fine to coarse SAND. Gravel is sub-angular of sandstone and concrete.			
B	0.10 - 0.30				0.30	101.02	
B	0.30 - 0.80			MADE GROUND: Dark brown sandy clayey GRAVEL of sub-angular concrete and brick.			
B	0.90 - 1.20				0.90	100.42	
B	1.20 - 1.70	N=12	1	MADE GROUND: Firm medium strength greenish brown sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular to sub-rounded of coal, ash and brick.			
D	1.40	(2,2/2,3,3,4)					
B	2.20 - 2.70	N=18	2				
D	2.40	(2,3/3,5,5,5)					
B	2.70 - 3.20				2.70	98.62	
B	3.20 - 3.70	N=20	3	MADE GROUND: Medium dense grey sandy GRAVEL of sub-angular sandstone, ash and coal.			
D	3.40	(4,4/5,5,5,5)					
B	4.00 - 4.50		4		4.00	97.32	
U (41)	4.50 - 4.90			Stiff friable orangish grey sandy gravelly CLAY. Intermediate plasticity. Gravel is sub-angular of sandstone. Low content of sub-angular cobbles of sandstone. (ALLUVIUM)			
				between 4.50m and 4.90m undrained shear strength in triaxial compression = 23kPa			
D	4.95		5				
B	5.50	N=48					
D	5.50 - 6.00	(3,5/5,7,16,20)	6				
B	6.80 - 7.30				6.80	94.52	
B	7.30 - 7.80	50 (55,5/50 for	7	Medium dense orange brown sandy GRAVEL of sub-angular to sub-rounded sandstone. Low content of sub-angular cobbles of sandstone. (Possible ALLUVIUM)			
D	7.50	227mm)		*from 7.10m SPTs may not be representative owing to cobble content.*			
D	8.30		8				
B	8.80	N=23					
D	8.80 - 9.30	(4,4/5,5,6,7)	9				
D	9.80		10				

Continued next sheet

Remarks:

1. Borehole terminated in Weathered Millstone Grit at 11.20m bgl. 2. Chiselling hard strata from 0.40m to 0.55m bgl (30mins); 7.70m to 7.80m bgl (30mins); 11.10m to 11.20m bgl (60mins). 3. Clean drilling techniques adopted between 4.00m and 5.00m. 4. Ground gas and groundwater monitoring well installed as detailed above. 5. No ground water encountered. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 101.32

Easting: 430183590.19

Northing: 394224789.87

Fig No. SBH08

BOREHOLE RECORD

BH No. **SBH08**
Sheet 2 of 2

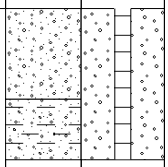
Site: Oughtibridge Mill
Contract No: C6485A
Client: ASE II Developments Ltd
Dates: 07/12/2015 - 08/12/2015
Method: Shell and Auger Rig with 6inch and 8inch casing.
Scale: 1:50
Logged By: J-C.R
Checked By: G.H
Driller: Tony Quinn Drilling

SAMPLE DETAILS

Type	Depth From - To(m)	N (Cu)	Ground -water
B D	10.30 - 10.80 10.50	N=32 (5,8/8,9,1,14)	
B	10.80 - 11.10	50 (25 for 95mm/50 for 255mm)	

STRATA RECORD

Description	Depth (m)	Level (m AOD)	Legend	Well
from 10.30m becoming dense				
Very stiff very high strength dark grey sandy gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-angular of mudstone. (Completely weathered MILLSTONE GRIT FORMATION).	10.80	90.52		
End of Borehole at 11.20m	11.20	90.12		



Remarks:
1. Borehole terminated in Weathered Millstone Grit at 11.20m bgl. 2. Chiselling hard strata from 0.40m to 0.55m bgl (30mins); 7.70m to 7.80m bgl (30mins); 11.10m to 11.20m bgl (60mins). 3. Clean drilling techniques adopted between 4.00m and 5.00m. 4. Ground gas and groundwater monitoring well installed as detailed above. 5. No ground water encountered. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 101.32
Easting: 430183590.19
Northing: 394224789.87

Fig No. SBH08

BOREHOLE RECORD

BH No. **SBH09** Sheet 1 of 1

Site: Oughtibridge Mill | Contract No: C6485A

Client: ASE II Developments Ltd | Dates: 08/12/2015 - 09/12/2015

Method: Shell and Auger Rig with 6inch and 8inch casing. | Scale: 1:50

Logged By: J-C.R | Checked By: G.H

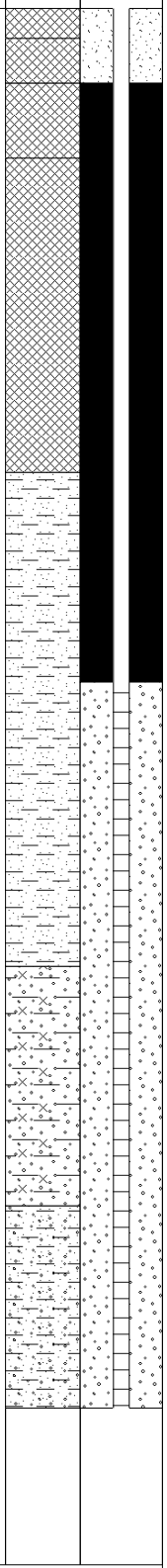
Driller: Tony Quinn Drilling

SAMPLE DETAILS

STRATA RECORD

Type	Depth From - To(m)	N (Cu)	Ground -water	Description	Depth (m)	Level (m AOD)
D	0.00			MADE GROUND: Firm dark brown sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular of sandstone and concrete.		
B	0.10 - 0.20				0.20	102.39
B	0.20 - 0.50			MADE GROUND: Dark brown sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular of concrete. High content of sub-angular cobbles of concrete.		
B	0.50 - 1.00				0.50	102.09
B	1.00 - 1.20		1	MADE GROUND: Dark brown gravelly sandy CLAY. Low plasticity (field description). Gravel is sub-angular of concrete.	1.00	101.59
B	1.20 - 1.70	N=8 (1,1/2,2,2,2)		MADE GROUND: Firm medium strength dark brown grey ashy gravelly sandy CLAY. Low plasticity (field description). Gravel is sub-angular fine to coarse of concrete. Low content of sub-angular cobbles of concrete.		
D	1.50					
			2			
B	2.20	N=10				
D	2.20 - 2.70	(1,2/2,2,3,3)				
D	3.00		3			
B	3.10 - 3.50			Firm low strength orangish brown sandy CLAY. Intermediate plasticity. Occasional roots/rootlets. (ALLUVIUM)	3.10	99.49
B	3.50	N=8				
D	3.50 - 4.00	(1,1/2,2,2,2)				
			4			
U (25)	4.50 - 4.95			*between 4.50m and 4.95m undrained shear strength in triaxial compression = 26kPa*		
			5			
B	5.50	N=23		*from 5.50m becoming stiff high strength material.*		
D	5.50 - 6.00	(2,2/3,5,7,8)				
			6			
B	6.40 - 6.90			Medium dense orangish brown clayey silty GRAVEL. Gravel is sub-angular to sub-rounded of sandstone. (Possible ALLUVIUM)	6.40	96.19
B	7.00 - 7.50	N=21	7			
D	7.20	(4,4/4,5,5,7)				
B	8.00 - 8.50		8	Very stiff very high strength dark grey sandy gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-angular of mudstone. (Completely weathered MILLSTONE GRIT FORMATION).	8.00	94.59
B	8.50	N=35				
D	8.50 - 9.00	(6,8/8,9,9,9)				
			9			
D	9.10	50 (5,10/50 for 229mm)				
D	9.35	50 (25 for 100mm/50 for 240mm)		End of Borehole at 9.35m	9.35	93.24
			10			

Legend / Well



Remarks:

1. Borehole terminated in Completely Weathered Millstone Grit Formation at 9.35m bgl. 2. Groundwater encountered at 8.60m rising to 5.00m bgl after 20mins. 3. Chiselling hard strata from 7.90m to 8.00m bgl (30mins); 9.15m to 9.35m bgl (30mins); 8.30 to 8.40m bgl (30mins). 4. Clean drilling techniques adopted at 3.10m-4.10m. 5. Ground gas and groundwater monitoring well installed as detailed above. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 102.59

Easting: 430227711.04

Northing: 394265018.19

Fig No. SBH09

BOREHOLE RECORD

BH No. **SBH10** Sheet 1 of 1

Site: Oughtibridge Mill

Contract No: C6485A

Client: ASE II Developments Ltd

Dates: 04/12/2015 - 07/12/2015

Method: Shell and Auger Rig with 6inch and 8inch casing.

Scale: 1:50

Logged By: J-C.R Checked By: G.H

Driller: Tony Quinn Drilling

SAMPLE DETAILS

Type	Depth From - To(m)	N (Cu)
D	0.40	
B	0.50 - 1.00	
B	1.20 - 1.70	N=9 (1,1/2,2,2,3)
D	1.40	
B	2.20 - 2.70	N=12 (1,2/2,2,3,5)
D	2.40	
B	2.60 - 3.10	
B	3.20 - 3.70	N=10 (1,1/2,2,2,4)
D	3.40	
B	3.90 - 4.40	
B	4.50 - 5.00	N=11 (1,1/2,2,3,4)
D	4.70	
B	4.80 - 5.30	
B	5.30 - 5.80	N=20 (4,4/4,5,5,6)
D	5.50	
D	6.30	
B	6.80 - 7.30	50 (25 for 80mm/50 for 240mm)
D	7.00	
D	7.80	
B	8.00	50 (25 for 135mm/50 for 230mm)

Ground -water

STRATA RECORD

Description	Depth (m)	Level (m AOD)
MADE GROUND: Medium dense dark green clayey sandy GRAVEL of angular to sub-angular sandstone and concrete.		
MADE GROUND: Medium dense dark grey sandy GRAVEL of angular to sub-angular concrete, coal and ash. High content of sub-angular cobbles of concrete.	2.60	98.77
Firm greenish orange silty gravelly CLAY. Low plasticity (field description). Gravel is sub-angular and sub-rounded sandstone. Low content of sub-angular cobbles/boulders of sandstone. (ALLUVIUM)	3.90	97.47
Medium dense orange sandy GRAVEL of sub-angular sandstone. Low content of sub-angular cobbles/boulders of sandstone. (Possible ALLUVIUM)	4.80	96.57
at 6.80m SPT may not be representative owing to cobble content.		
End of Borehole at 8.00m	8.00	93.37

Legend

Well

Remarks:

1. Borehole terminated in Possible Alluvium at 8.00m bgl. 2. Chiselling hard strata from 6.10m to 6.25m bgl (30mins); 7.50m to 7.75m bgl (45mins). 3. Clean drilling techniques adopted between 4.80m-5.80m. 4. Ground gas and groundwater monitoring well installed as detailed above. 5. No groundwater encountered. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 101.37

Easting: 430183590.19

Northing: 394253786.92

Fig No. SBH10

BOREHOLE RECORD

BH No. **SBH11** Sheet 1 of 1

Site: Oughtibridge Mill | Contract No: C6485A

Client: ASE II Developments Ltd | Dates: 10/12/2015 - 11/12/2015

Method: Shell and Auger Rig with 6inch casing. | Scale: 1:50

Logged By: J-C.R | Checked By: G.H

Driller: Tony Quinn Drilling

SAMPLE DETAILS

STRATA RECORD

Type	Depth From - To(m)	N (Cu)	Ground -water	Description	Depth (m)	Level (m AOD)	Legend	Well
D	0.15			MADE GROUND: Strong dark grey CONCRETE comprising of 70% clasts and 10% small voids. Clasts are angular fine to coarse gravel sized fragments of limestone.	0.15	94.93		
B	0.20 - 0.40							
B	0.45 - 0.90			MADE GROUND: Brown sandy silty GRAVEL of sub-angular brick and concrete.	0.45	94.63		
B	1.20 - 1.70	N=6		MADE GROUND: Loose to medium dense black ashy silty sandy GRAVEL of sub-angular brick, sandstone and concrete. Low content of sub-angular cobbles of brick, sandstone and concrete. Strong hydrocarbon odour and slight sheen to soils and groundwater.				
D	1.40	(1,1/1,1,2,2)						
B	2.20	N=11						
D	2.20	(2,2/2,3,3,3)						
D	2.20 - 2.70							
B	3.20 - 3.70	50 (4,5/50 for		*at 3.20m SPT may not be representative owing to cobble content.*				
ES	3.20 - 3.70	235mm)		*at 3.20m-3.70m PID =0.00ppm*				
B	4.10 - 4.40			Yellow sandy GRAVEL of angular to sub-angular sandstone. Low content of sub-angular cobbles of sandstone. (Possible ALLUVIUM).	4.10	90.98		
D	4.60	50 (25 for		*at 4.60m PID = 0.00ppm, SPT may not be representative owing to cobble content*	4.60	90.48		
ES	4.60	95mm/50 for 240mm)		End of Borehole at 4.60m				

Remarks:

1. Hard standing broken out using hydraulic breaker. 2. Borehole terminated in Possible Alluvium at 4.60m bgl. 3. Groundwater encountered at 4.00m rising to 3.50 bgl after 20mins. 4. Chiselling hard strata from 3.60m to 3.85m bgl (45mins); 4.50m to 4.60m bgl (60mins). 5. Ground gas and groundwater monitoring well installed as detailed above. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 95.08

Easting: 430204971.21

Northing: 394027415.26

Fig No. SBH11

BOREHOLE RECORD

BH No. **SBH12** Sheet 1 of 1

Site: Oughtibridge Mill

Contract No: C6485A

Client: ASE II Developments Ltd

Dates: 11/12/2015 - 14/12/2015

Method: Shell and Auger Rig with 6inch casing.

Scale: 1:50

Logged By: J-C.R | Checked By: G.H

Driller: Tony Quinn Drilling

SAMPLE DETAILS

Type	Depth From - To(m)	N (Cu)	Ground -water
D	0.00		
B	0.10 - 0.60		
B	1.20 - 1.70	N=22	
D	1.40	(3,3/3,5,6,8)	
B	2.00 - 2.50		
B	2.50 - 3.00		
B	3.00	N=24	
D	3.00 - 3.50	(3,3/5,5,8,6)	
B	4.00	50 (25 for	
D	4.00 - 4.50	135mm/50 for 228mm)	

STRATA RECORD

Description	Depth (m)	Level (m AOD)	Legend	Well
MADE GROUND: Medium dense orange brown sandy very clayey GRAVEL of brick, concrete and sandstone. Sand is fine to coarse.				
MADE GROUND: Stiff high strength grey brown sandy gravelly CLAY. Low plasticity (field description). Gravel is subangular fine to coarse of sandstone, concrete and brick. Low content of sub-angular cobbles of sandstone, brick and concrete.	2.00	97.97		
MADE GROUND: Grey CONCRETE.	4.10	95.87		
End of Borehole at 4.30m	4.30	95.67		

Remarks:

1. Borehole terminated due to concrete obstruction at 4.30m bgl. 2. Chiselling hard strata from 0.30m to 0.50m bgl (30mins); 1.80m to 1.90m bgl (30mins); 4.10m to 4.30m bgl (45mins). 3. Groundwater encountered at 4.10m rising to 4.00m bgl. 4. Hole backfilled with arisings on completion. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 99.97

Easting: 430153625.42

Northing: 394074691.01

Fig No. SBH12

BOREHOLE RECORD

BH No. **SBH12A**
Sheet 1 of 1

Site: Oughtibridge Mill

Contract No: C6485A

Client: ASE II Developments Ltd

Dates: 14/12/2015 - 14/12/2015

Method: Shell and Auger Rig with 6inch casing.

Scale: 1:50

Logged By: J-C.R | Checked By: G.H

Driller: Tony Quinn Drilling

SAMPLE DETAILS

STRATA RECORD

Type	Depth From - To(m)	N (Cu)	Ground -water	Description	Depth (m)	Level (m AOD)	Legend	Well
D B	0.00 0.10 - 0.60			MADE GROUND: Orange brown sandy GRAVEL of sub-angular brick and concrete.				
				End of Borehole at 0.80m	0.80	99.61		

1
2
3
4
5
6
7
8
9
10

Remarks:
1. Borehole terminated due to concrete obstruction at 0.80m bgl. 2. Chiselling hard strata from 0.80m (30mins). 3. Groundwater not encountered bgl. 4. Hole backfilled with arisings on completion. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 100.41
Easting: 430176572.82
Northing: 394094260.55

Fig No. SBH12A

BOREHOLE RECORD

BH No. **SBH13** Sheet 1 of 1

Site: Oughtibridge Mill | Contract No: C6485A

Client: ASE II Developments Ltd | Dates: 14/12/2015 - 15/12/2015

Method: Shell and Auger Rig with 6inch casing. | Scale: 1:50

Logged By: J-C.R | Checked By: G.H

Driller: Tony Quinn Drilling

SAMPLE DETAILS

STRATA RECORD

Type	Depth From - To(m)	N (Cu)	Ground -water	Description	Depth (m)	Level (m AOD)	Legend	Well
D	0.00			MADE GROUND: Soft brown sandy gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-rounded of brick, concrete, quartzite and sandstone.				
B	0.10 - 0.25				0.25	98.08		
B	0.30			MADE GROUND: Very stiff friable dark brown sandy gravelly CLAY. Intermediate plasticity. Gravel is sub-angular of concrete and sandstone.				
B	1.20	4 (1,/1,,1,2)	1					
D	1.20 - 1.70							
U (24)	2.20 - 2.60		2					
D	2.65							
B	3.00 - 3.50		3	MADE GROUND: Medium dense brown orange sandy GRAVEL of sub-angular sandstone, flint and occasional brick.	3.00	95.33		
B	3.50 - 4.00	N=21						
D	3.70	(4,5/5,5,5,6)						
			4					
B	4.50 - 5.00	N=23						
D	4.70	(4,5/5,6,6,6)						
			5					
B	5.30 - 5.80			Dense dark grey GRAVEL of sub-angular to sub-rounded sandstone. Low content of sub-angular to sub-rounded cobbles of sandstone. (Possible ALLUVIUM)	5.30	93.03		
B	5.80	50 (5,8/50 for		*at 5.80m SPT may not be representative owing to cobble content*				
D	5.80 - 6.30	280mm)	6					
D	6.80							
			7					
B	7.30 - 7.80	N=32						
D	7.40	(6,6/7,7,8,10)						
B	7.60	50 (5,10/50 for		Very weak dark grey MUDSTONE. (MILLSTONE GRIT FORMATION)	7.60	90.73		
D	7.60 - 8.00	270mm)						
D	8.00	50 (25 for 115mm/50 for 250mm)	8	End of Borehole at 8.00m	8.00	90.33		
			9					
			10					

Remarks:

1. Borehole terminated in Weathered Millstone Grit at 8.00m bgl. 2. Chiselling hard strata from 4.10m to 4.30m bgl (45mins); 6.15m to 6.25m bgl (30mins); 6.35m to 6.45m bgl (30mins); 7.90m to 8.00m bgl (30mins). 3. Groundwater encountered at 2.70m rising to 1.50m bgl; groundwater encountered at 7.90m rising to 4.00m bgl. 4. Ground gas and groundwater monitoring well installed as detailed above. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 98.33

Easting: 430135256.95

Northing: 394175059.80

Fig No. SBH13

BOREHOLE RECORD

BH No. **SBH14** Sheet 1 of 2

Site: Oughtibridge Mill | Contract No: C6485A

Client: ASE II Developments Ltd | Dates: 17/12/2015 - 07/12/2015

Method: Shell and Auger Rig with 6inch casing. | Scale: 1:50

Logged By: J-C.R | Checked By: G.H

Driller: Tony Quinn Drilling

SAMPLE DETAILS

STRATA RECORD

Type	Depth From - To(m)	N (Cu)	Ground -water	Description	Depth (m)	Level (m AOD)	Legend	Well
D B	0.15 0.20 - 0.70			MADE GROUND: Strong dark grey ASPHALT comprising of 70% clasts and 10% small voids. Clasts are angular fine to coarse gravel sized fragments of limestone.	0.15	105.38		
				MADE GROUND: Dark brown sandy clayey GRAVEL of sub-angular brick, concrete and sandstone.	0.80	104.73		
B B D	1.20 1.20 1.20 - 1.70	N=7 (3,2/2,1,2,2)	1	MADE GROUND: Loose black ashy silty sandy GRAVEL of sub-angular brick and concrete.				
B D	2.20 2.20 - 2.70	N=9 (1,1/2,2,2,3)	2	*from 2.20m becoming medium dense*				
B D	3.20 - 3.70 3.40	N=12 (2,2/3,3,2,4)	3					
B D	4.20 - 4.70 4.40	N=19 (3,4/4,5,5,5)	4					
B D	5.20 - 5.70 5.40	N=19 (1,3/3,5,5,6)	5					
B	5.90		6	MADE GROUND: Red sandy GRAVEL of sub-angular brick. High content of sub-angular cobbles of brick.	5.90	99.63		
B D	6.30 6.30 - 6.80			Soft low strength brownish green sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular of sandstone. (ALLUVIUM)	6.30	99.23		
B D	6.80 6.80 - 7.30	N=6 (1,1/1,1,2,2)	7					
D D	7.70 7.70 - 8.30		8	Stiff friable orangish brown very sandy gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-angular of sandstone. (Completely weathered MILLSTONE GRIT FORMATION)	7.70	97.83		
B	8.40 - 8.80			*becoming more gravelly with depth.*				
B D	8.85 8.85		9					
D	9.40							
B D D	9.80 9.80 9.80 - 10.30	N=17 (3,3/4,4,4,5)	10	*from 9.80m becoming stiff high strength.*				
				Continued next sheet				

Remarks:

1. Hard standing broken out using hydraulic breaker. 2. Borehole terminated in Weathered Millstone Grit at 11.20m bgl. 3. Groundwater encountered at 11.00m rising to 8.00m bgl after 20mins. 4. Chiselling hard strata from 9.45m to 9.50m bgl (45mins); 11.00m to 11.20m bgl (30mins). 5. Ground gas and groundwater monitoring well installed as detailed above (Piezo pipe). 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 105.53

Easting: 430048463.52

Northing: 394227292.02

Fig No. SBH14

BOREHOLE RECORD

BH No. **SBH14** Sheet 2 of 2

Site: Oughtibridge Mill

Contract No: C6485A

Client: ASE II Developments Ltd

Dates: 17/12/2015 - 07/12/2015

Method: Shell and Auger Rig with 6inch casing.

Scale: 1:50

Logged By: J-C.R | Checked By: G.H

Driller: Tony Quinn Drilling

SAMPLE DETAILS

Type	Depth From - To(m)	N (Cu)
B	10.40 - 10.70	
B	10.70	N=33
D	10.70 - 11.00	(5,6/7,8,8,10)
D	11.10	50 (6,14/50 for 255mm)

Ground -water

STRATA RECORD

Description	Depth (m)	Level (m AOD)	Legend	Well
Very stiff very high strength dark grey sandy gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-angular mudstone and sandstone. (Completely weathered MILLSTONE GRIT FORMATION)	10.40	95.13		
End of Borehole at 11.20m	11.20	94.33		

11 12 13 14 15 16 17 18 19 20

Remarks:

1. Hard standing broken out using hydraulic breaker. 2. Borehole terminated in Weathered Millstone Grit at 11.20m bgl. 3. Groundwater encountered at 11.00m rising to 8.00m bgl after 20mins. 4. Chiselling hard strata from 9.45m to 9.50m bgl (45mins); 11.00m to 11.20m bgl (30mins). 5. Ground gas and groundwater monitoring well installed as detailed above (Piezo pipe). 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 105.53

Easting: 430048463.52

Northing: 394227292.02

Fig No. SBH14

BOREHOLE RECORD

BH No. **SBH15** Sheet 1 of 1

Site: Oughtibridge Mill | Contract No: C6485A

Client: ASE II Developments Ltd | Dates: 16/12/2015 - 06/12/2015

Method: Shell and Auger Rig with 6inch casing. | Scale: 1:50

Logged By: J-C.R | Checked By: G.H

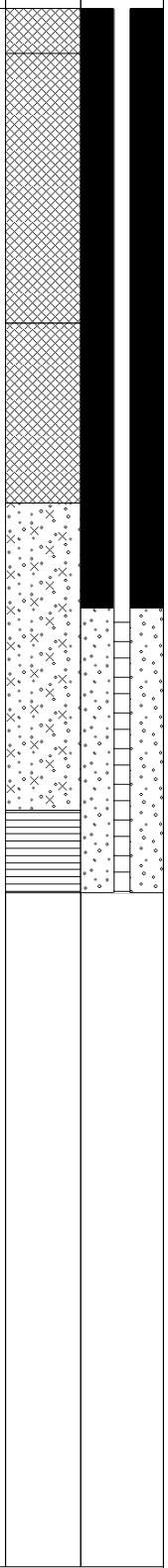
Driller: Tony Quinn Drilling

SAMPLE DETAILS

Type	Depth From - To(m)	N (Cu)	Ground -water
D	0.00		
B	0.10 - 0.30		
B	0.30 - 0.80		
B	1.20 - 1.70	50 (6,7/50 for 285mm)	
D	1.40		
B	2.10 - 2.60		
B	2.60 - 3.10	N=24 (4,4/4,5,7,8)	
D	2.80		
B	3.30 - 3.80		
B	3.80 - 4.30	50 (5,5/50 for 240mm)	
D	4.00		
B	4.80 - 5.30	N=47 (4,5/10,11,11,15)	
D	5.00		
B	5.35 - 5.70		
D	5.70	50 (10,13/50 for 230mm)	

STRATA RECORD

Description	Depth (m)	Level (m AOD)
MADE GROUND: Soft to firm brown sandy gravelly CLAY. Gravel is angular fine to medium of brick and concrete.	0.30	96.27
MADE GROUND: Brown sandy clayey GRAVEL of sub-angular to angular sandstone and concrete. Low content of angular to sub-angular cobbles/boulders of sandstone and concrete.		
at 1.20m SPT may not be representative owing to cobble/boulder content.		
MADE GROUND: Medium dense dark brown sandy clayey GRAVEL of sub-angular brick.	2.10	94.47
Medium dense grey brown silty GRAVEL of sub-angular to sub-rounded sandstone. Low content of sub-angular to sub-rounded cobbles/boulders of sandstone. (Possible ALLUVIUM)	3.30	93.27
at 3.80m SPT may not be representative owing to cobble/boulder content		
Very weak dark grey MUDSTONE. (MILLSTONE GRIT FORMATION)	5.35	91.22
End of Borehole at 5.90m	5.90	90.67



Remarks:

1. Borehole terminated in bedrock at 5.90m bgl. 2. Chiselling hard strata from 1.50m to 1.70m bgl (45mins); 4.20m to 4.35m bgl (15mins); 5.80m to 5.90m bgl (30mins). 3. Groundwater encountered at 4.30m rising to 4.00m bgl after 20mins. 4. Ground gas and groundwater monitoring well installed as detailed above. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 96.57

Easting: 430081779.91

Northing: 394299023.21

Fig No. SBH15

BOREHOLE RECORD

BH No. **SBH16** Sheet 1 of 1

Site: Oughtibridge Mill | Contract No: C6485A

Client: ASE II Developments Ltd | Dates: 15/12/2015 - 15/12/2015

Method: Shell and Auger Rig with 6inch casing. | Scale: 1:50

Logged By: J-C.R | Checked By: G.H

Driller: Tony Quinn Drilling

SAMPLE DETAILS

Type	Depth From - To(m)	N (Cu)
D	0.00	
B	0.05 - 0.20	
B	0.25 - 0.80	
B	1.20	N=29
D	1.20 - 1.70	(5,5/6,7,8,8)
D	2.60	
B	3.10 - 3.60	
B	3.60 - 4.10	N=27
D	3.90	(4,6/6,7,7,7)
B	4.30 - 4.80	
D	4.90	50 (30 for 90mm/50 for 230mm)
D	5.00	
D	5.10	50 (6,15/50 for 245mm)

Ground -water

STRATA RECORD

Description	Depth (m)	Level (m AOD)
MADE GROUND: Light brown sandy clayey GRAVEL of sub-angular mudstone, concrete and sandstone.	0.25	96.75
MADE GROUND: Very stiff high strength brown sandy gravelly CLAY. High plasticity. Gravel is sub-angular of sandstone and occasional brick and coal fragments.		
MADE GROUND: Medium dense yellow slightly sandy GRAVEL of sub-angular to angular sandstone and occasional brick. Low content of sub-angular cobbles of sandstone.	3.10	93.90
Grey brown silty GRAVEL of sub-angular to sub-rounded sandstone. (Possible ALLUVIUM)	4.30	92.70
Very weak dark grey MUDSTONE. (MILLSTONE GRIT FORMATION)	5.00	92.00
	5.15	91.85
End of Borehole at 5.15m		

Legend

Well

Remarks:

1. Borehole terminated in bedrock at 5.15m bgl. 2. Chiselling hard strata from 5.10m to 5.15m bgl (30mins). 3. Groundwater encountered at 2.90m rising to 2.50m bgl after 20mins; groundwater encountered at 5.00m rising to 3.00m after 20mins. 4. Ground gas and groundwater monitoring well installed as detailed above. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (mAOD) 97.00

Easting: 430059524.09

Northing: 394315514.81

Fig No. SBH16

TRIAL PIT RECORD

TP No. **STP01**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 26/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.10	94.75		
				MADE GROUND: Grey sandy GRAVEL of angular to sub-angular limestone. (Sub-base).	0.40	94.45		
				from 0.30m becoming pinkish grey				
ES B	0.50 0.60 - 0.80	43.0		Firm medium strength grey/brown slightly gravelly very sandy CLAY. Intermediate plasticity. Gravel is angular of sandstone. Low content of angular cobbles of sandstone. (ALLUVIUM)				
B	1.00 - 2.00		1	Firm low strength grey slightly gravelly very sandy very silty CLAY with frequent inclusions of organic debris. Intermediate plasticity. Gravel is angular to sub-angular of sandstone. Faint natural organic odour. (ALLUVIUM)	1.00	93.85		
		34.0		*at 1.60m large sandstone boulder*				
D ES	2.00 2.00		2					
		29.0		*from 2.90m rare pockets of peat*				
D	3.00		3					
				End of trial pit at 3.10m	3.10	91.75		
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 3.10m bgl due to obstruction from sandstone boulder. 3. Hand shear vane presented as an average of a set of three. 4. Sides remained stable throughout excavation. 5. Groundwater not encountered. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 94.85
Easting: 430629047.48
Northing: 393915528.35

Fig No. STP01

TRIAL PIT RECORD

TP No. **STP02**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 26/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
ES	0.20			MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.10	95.58		
				MADE GROUND: Grey sandy GRAVEL of angular to sub-angular limestone. (Sub-base). *from 0.35m becoming pinkish grey*	0.55	95.13		
ES	0.70			Very stiff friable brown slightly sandy gravelly CLAY. Low plasticity. Gravel is angular of sandstone. Medium content of angular cobbles and boulders of sandstone up to 900mm diameter. (Completely weathered MILLSTONE GRIT FORMATION)				
D	0.80							
			1					
			2					
D	2.50							
ES	2.50	59.0		*from 2.80m becoming medium strength.*				
			3					
				End of trial pit at 3.10m	3.10	92.58		
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 3.10m bgl on large boulder. 3. Hand shear vane presented as an average of a set of three. 4. Sides remained stable throughout excavation. 5. Groundwater not encountered. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 95.68
Easting: 430667799.73
Northing: 393972429.56

Fig No. STP02

TRIAL PIT RECORD

TP No. **STP03**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 26/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.10	95.08		
ES	0.30			MADE GROUND: Grey sandy GRAVEL of angular to sub-angular limestone. (Sub-base). *from 0.25m becoming pinkish grey*				
B	0.70 - 0.90			Firm to stiff friable brown slightly sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone. Medium content of angular cobbles and boulders of sandstone up to 900mm diameter. (Completely weathered MILLSTONE GRIT FORMATION)	0.65	94.53		
ES	0.80							
D	2.30			End of trial pit at 2.50m	2.50	92.68		

1
2
3
4
5

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 2.50m bgl on large sandstone boulder. 3. Hand shear vane failed due to friable nature of soils. 4. Sides remained stable throughout excavation. 5. Groundwater not encountered. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 95.18
Easting: 430638740.27
Northing: 393942618.54

Fig No. STP03

TRIAL PIT RECORD

TP No. **STP04**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 26/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.				
				MADE GROUND: Grey sandy GRAVEL of angular to sub-angular limestone. (Sub-base).	0.30	95.07		
ES D	0.60 0.70			Very stiff friable brown slightly sandy gravelly CLAY. Low plasticity. Gravel is angular of sandstone. Medium content of angular cobbles and boulders of sandstone up to 900mm diameter. (Completely weathered MILLSTONE GRIT FORMATION)	0.50	94.87		
D	2.00			*from 2.00m becoming sandy*				
				End of trial pit at 2.50m	2.50	92.87		

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 2.50m bgl on large sandstone boulder. 3. Hand shear vane failed due to friable nature of soils. 4. Sides remained stable throughout excavation. 5. Groundwater encountered at 2.30m bgl. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 95.37
Easting: 430606978.72
Northing: 393957974.36

Fig No. STP04

TRIAL PIT RECORD

TP No. **STP05**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 26/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.20	95.20		
				MADE GROUND: Grey sandy GRAVEL of angular to sub-angular limestone. (Sub-base).	0.40	95.00		
ES	0.50			Firm to stiff friable brown slightly sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone. Medium content of angular cobbles and boulders of sandstone up to 900mm diameter. (Completely weathered MILLSTONE GRIT FORMATION)				
D	1.00		1					
D	2.00		2					
ES	2.30							
				from 2.50m increased boulder content				
				End of trial pit at 2.90m	2.90	92.50		
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 2.90m bgl on large sandstone boulder. 3. Hand shear vane failed due to friable nature of soils. 4. Sides remained stable throughout excavation. 5. Groundwater seepage encountered at 2.30m bgl. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 95.40
Easting: 430619001.67
Northing: 393991393.73

Fig No. STP05

TRIAL PIT RECORD

TP No. **STP06**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 27/11/2015

Method: JCB 3CX 360 degrees backhoe excavator using a 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.				
ES	0.30			MADE GROUND: Grey sandy GRAVEL of angular to sub-angular limestone. (Sub-base).	0.30	95.08		
				from 0.60m becoming pinkish grey with occasional cobbles of angular limestone	0.80	94.58		
D ES	1.00 1.00		1	Firm friable brown slightly sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone. Medium content of angular cobbles and boulders of sandstone up to 800mm diameter. (Completely weathered MILLSTONE GRIT FORMATION)				
D	2.00		2					
				End of trial pit at 2.30m	2.30	93.08		
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 2.30m bgl on boulder. 3. Hand shear vane failed due to friable nature of soils. 4. Sides remained stable throughout excavation. 5. Groundwater not encountered. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level owing to hole being undertaken internally.

GL (m AOD) 95.38
Easting: 430561775.41
Northing: 393992086.29

Fig No.
STP06

TRIAL PIT RECORD

TP No. **STP07**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 27/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.				
				MADE GROUND: Grey sandy GRAVEL of angular to sub-angular limestone. (Sub base).	0.30	95.21		
					0.70	94.81		
D	0.80			MADE GROUND: Firm brown mottled grey slightly sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone with occasional fragments of slate, concrete and ash.				
ES	0.80				0.90	94.61		
			1	Firm brown mottled grey slightly sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone. ((ALLUVIUM)				
ES	1.20							
D	1.30							
			2					
					2.50	93.01		
D	2.60	45.0		Soft to firm medium strength greenish brown slightly sandy gravelly CLAY. High plasticity (field description). Gravel is angular of sandstone. (ALLUVIUM)				
ES	2.60				2.70	92.81		
				End of trial pit at 2.70m				
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit complete at 2.70m bgl. 3. Hand shear vane presented as an average of a set of three. 4. Sides remained stable throughout excavation. 5. Groundwater not encountered. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level owing to hole being undertaken internally.

GL (m AOD) 95.51
Easting: 430575840.37
Northing: 393966873.67

Fig No. STP07

TRIAL PIT RECORD

TP No. **STP08**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 27/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.	0.25	95.12		
				MADE GROUND: Grey sandy GRAVEL of angular to sub-angular limestone. (Sub-base).	0.50	94.87		
D ES	0.60 0.60			MADE GROUND: Firm friable brown very sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone. Low content of cobbles and boulders of angular sandstone up to 400mm.				
				at 0.80m concrete obstruction (possible service)	0.80	94.57		
				End of trial pit at 0.80m				

1
2
3
4
5

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 0.80m bgl due to possible service. 3. Sides remained stable throughout excavation. 4. Groundwater not encountered. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level owing to hole being undertaken internally.

GL (m AOD) 95.37
Easting: 430503000.88
Northing: 393976097.12

Fig No.
STP08

TRIAL PIT RECORD

TP No. **STP09**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 27/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.				
				Stiff friable brown very sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone. Low content of angular cobbles of sandstone. (ALLUVIUM)	0.35	95.03		
ES	0.50							
D	0.60							
			1					
B	1.80 - 2.00			*becoming more gravelly with depth.*				
			2					
				Very stiff friable greyish brown gravelly sandy silty CLAY. Intermediate plasticity. Gravel is angular to sub-rounded of sandstone. Low content of angular to sub-angular cobbles of sandstone. (ALLUVIUM)	2.30	93.08		
B	2.40 - 2.60							
ES	2.60							
				End of trial pit at 2.70m	2.70	92.68		
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 2.70m bgl on sandstone cobbles. 3. Hand shear vane results presented as an average of a set of three. 4. Sides remained stable throughout excavation. 5. Groundwater seepage encountered at 2.30m bgl. 6. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level taken owing to hole being undertaken internally.

GL (m AOD) 95.38
Easting: 430464928.60
Northing: 394006158.22

Fig No. STP09

TRIAL PIT RECORD

TP No. **STP10**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 27/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.				
					0.35	95.14		
ES	0.50			MADE GROUND: Dark greyish brown locally ashy slightly clayey gravelly SAND. Gravel is angular of sandstone, concrete and brick. High content of cobbles and boulders of angular sandstone, brick and concrete up to 300mm diameter.				
B	1.20 - 1.50		1					
			2					
					2.20	93.29		
ES	2.40	10.0		Soft very low strength greenish grey slightly sandy slightly gravelly SILT/CLAY with frequent organic debris and cobble sized pockets of black fibrous peat. Intermediate plasticity. Low content of angular boulders of sandstone up to 400mm diameter. Faint natural organic odour. (ALLUVIUM)				
D	2.60							
			3	End of trial pit at 3.00m	3.00	92.49		
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 3.00m bgl due to collapse. 3. Hand shear vane results presented as an average of a set of three. 4. Sides becoming unstable from 1.00m bgl. 5. Groundwater seepage encountered at 2.40m bgl. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level taken owing to hole being undertaken internally.

GL (m AOD) 95.49
Easting: 430393055.80
Northing: 393991152.60

Fig No. STP10

TRIAL PIT RECORD

TP No. **STP11**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 02/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: JF
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.				
ES	0.40			MADE GROUND: Orangish brown very gravelly SAND. Gravel is angular of concrete and brick. Medium content of angular cobbles of brick.	0.35	95.19		
ES	1.00		1	MADE GROUND: Firm friable brown sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of brick, concrete and sandstone.	0.90	94.64		
ES	1.80	10.0	2	MADE GROUND: Very soft brown very low strength brown very gravelly sandy CLAY. Low plasticity (field description). Gravel is angular of brick, concrete and sandstone. Low content of angular cobbles of brick and sandstone. (Possible reworked ALLUVIUM)	1.60	93.94		
B	2.40							
ES	2.40			*from 2.50m low content of angular boulders of sandstone.*				
D	2.80		3	Very soft greyish brown very gravelly sandy CLAY. Low plasticity (field description). Gravel is sub-angular to sub-rounded of sandstone. Low content of angular cobbles of sandstone. (ALLUVIUM)	2.70	92.84		
ES	2.80			*from 2.90m soils becoming moist.*	2.90	92.64		
				End of trial pit at 2.90m				
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 2.90m bgl. 3. Sides remained stable throughout excavation. 4. Hand shear vane results presented as an average of a set of three. 5. Groundwater not encountered, but soils becoming moist/wet from 2.90mbgl. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level owing to hole being undertaken internally.

GL (m AOD) 95.54
Easting: 430350852.39
Northing: 394049623.06

Fig No. STP11

TRIAL PIT RECORD

TP No. **STP12**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 27/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.				
				MADE GROUND: Firm friable brown very sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone, brick and concrete with occasional fragments of wood. Low content of angular cobbles of sandstone, brick and concrete.	0.40	94.93		
D ES	0.60 0.60			*at 0.70m concrete obstruction (possible service)*				
			1	End of trial pit at 1.00m	1.00	94.33		
			2					
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 1.00m bgl due to possible service. 3. Sides remained stable throughout excavation. 4. Groundwater not encountered. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level owing to hole being undertaken internally.

GL (m AOD) 95.33
Easting: 430396208.35
Northing: 394036971.77

Fig No.
STP12

TRIAL PIT RECORD

TP No. **STP13**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 02/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: JF | Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.				
					0.30	95.14		
ES	0.40			MADE GROUND: Dark brown gravelly SAND. Gravel is angular of brick, concrete and clinker with occasional fragments of metal and wood. Low content of angular cobbles of brick.				
B	0.41			*between 0.40m and 0.60m fine to coarse ash.*				
B	0.80							
ES	0.80							
			1	*between 1.00m and 1.40m becoming orange brown.*				
					1.70	93.74		
B	1.80			MADE GROUND: Soft orangish brown sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular to angular of brick and sandstone. Low content of angular cobbles of brick.				
ES	1.80				1.90	93.54		
B	2.00		2	Very soft very low strength dark brown sandy CLAY with frequent organic debris. High plasticity (field description). Faint natural organic odour.				
ES	2.00							
		20.0			2.20	93.24		
B	2.30			(ALLUVIUM)				
ES	2.30			*at 2.10m large tree root.*				
				Very soft very low strength greenish grey sandy gravelly CLAY with frequent organic debris. Intermediate plasticity. Gravel is rounded to sub-rounded of sandstone. (ALLUVIUM)				
			3					
B	3.10	20.0		End of trial pit at 3.10m	3.10	92.34		
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 3.10m bgl. 3. Hand shear vane results presented as an average of a set of three. 4. Sides remained stable throughout excavation. 5. Groundwater not encountered. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level owing to hole being undertaken internally.

GL (m AOD) 95.44
Easting: 430362007.38
Northing: 394017380.07

Fig No. STP13

TRIAL PIT RECORD

TP No. **STP14**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 30/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.	0.25	100.46		
ES	0.40			MADE GROUND: Grey/brown gravelly SAND. Gravel is angular of brick, sandstone, concrete, clinker and ash. Low content of angular cobbles of sandstone and concrete.				
B	0.80 - 1.20							
			1					
				at 1.20m capped steel pipe approximately 150mm diameter (possible service).				
ES	1.50							
				End of trial pit at 1.90m	1.90	98.81		
			2					
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 1.90m due to obstruction by possible service. 3. Sides remained stable throughout excavation. 4. Groundwater not encountered. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level owing to hole being undertaken internally.

GL (m AOD) 100.71
Easting: 430272365.76
Northing: 394100833.98

Fig No. STP14

TRIAL PIT RECORD

TP No. **STP15**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 01/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.				
				MADE GROUND: Grey/red sandy GRAVEL and COBBLES of angular concrete and brick with occasional sandstone, re-bar and wood.	0.40	99.83		
ES	0.60			MADE GROUND: Dark grey slightly silty gravelly SAND. Gravel is angular of sandstone, brick, concrete, clinker and ash.	0.70	99.53		
ES	0.90							
B	1.00 - 1.30		1					
ES	1.00			*at 1.30m PID 0.0ppm*				
ES	2.00		2	*from 2.20m increased boulder content*				
				End of trial pit at 2.80m	2.80	97.43		
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 2.80m bgl on sandstone boulder. 3. Sides remained stable throughout excavation. 4. Groundwater not encountered. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client. 7. PID = Photoionisation detector to screen soils for volatile organic compounds (VOCs).

GL (m AOD) 100.23
Easting: 430294192.05
Northing: 394086804.13

Fig No. STP15

TRIAL PIT RECORD

TP No. **STP16**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 30/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.05	100.03		
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.	0.45	99.63		
ES B	0.60 0.70 - 0.90			MADE GROUND: Dark grey/brown slightly silty gravelly SAND. Gravel is angular of sandstone, brick, concrete and clinker. Low content of angular cobbles and boulders of sandstone and concrete up to 800mm diameter.				
			1					
			2					
ES	2.50							
			3	End of trial pit at 3.00m	3.00	97.08		
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 3.00m bgl due to collapse. 3. Sides unstable. 4. Groundwater not encountered. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 100.08
Easting: 430344526.41
Northing: 394091469.84

Fig No. STP16

TRIAL PIT RECORD

TP No. **STP17**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 27/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.	0.15	100.20		
ES	0.30			MADE GROUND: Dark grey/red slightly clayey gravelly SAND. Gravel is angular of brick, sandstone and concrete with occasional fragments of wood and re-bar.	0.55	99.80		
ES	0.70			Firm to stiff greenish grey mottled yellowish brown sandy gravelly CLAY with occasional inclusions of large organic debris. High plasticity (field description). Gravel is angular of sandstone. (ALLUVIUM)				
D	0.80							
			1					
				from 1.10m becoming soft with increased sand and gravel content with rare gravel sized pockets of fibrous peat (c. 100mm thick)				
D	1.40							
		25.0		*from 1.50m becoming soft low strength material.*				
			2					
				Very stiff medium strength friable brown slightly sandy slightly gravelly CLAY. Intermediate plasticity. Gravel is angular to sub-angular of sandstone. Low content of angular cobbles of sandstone. (ALLUVIUM)	2.10	98.25		
		42.0						
D	2.60							
			3					
				End of trial pit at 3.10m	3.10	97.25		
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit complete at 3.10m. 3. Hand shear vane results presented as an average of a set of three. 4. Sides remained stable throughout excavation. 5. Groundwater not encountered. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 100.35
Easting: 430404366.32
Northing: 394090363.57

Fig No. STP17

TRIAL PIT RECORD

TP No. **STP18**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 03/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.	0.20	95.17		
				End of trial pit at 0.20m				

1
2
3
4
5

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 0.20m bgl due to reinforced concrete. 3. Groundwater not encountered 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level taken owing to hole being undertaken internally.

GL (m AOD) 95.37
Easting: 430258132.58
Northing: 394024577.16

Fig No.
STP18

TRIAL PIT RECORD

TP No. **STP19**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 01/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.05	100.36		
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.	0.40	100.01		
ES	0.60			MADE GROUND: Firm becoming soft low strength blue/grey slightly sandy gravelly CLAY. High plasticity (field description). Gravel is angular to sub-angular of sandstone and brick with occasional re-bar and pockets of fibrous peat. (Possible Reworked Alluvium)				
		31.0		1				
D	1.60			2				
B	2.20 - 2.40							
ES	2.60							
				End of trial pit at 3.00m	3.00	97.41		
				3				
				4				
				5				

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 3.00m on sandstone boulder. 3. Sides remained stable throughout excavation. 4. Perched groundwater seepage encountered at 0.60m bgl. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 100.41
Easting: 430257330.54
Northing: 394143180.81

Fig No. STP19

TRIAL PIT RECORD

TP No. **STP20**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 27/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.05	99.83		
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.	0.40	99.48		
ES	0.50			MADE GROUND: Red sandy GRAVEL and COBBLES of angular brick.	0.70	99.18		
			▼	MADE GROUND: Dark grey silty gravelly SAND. Gravel is angular of brick, sandstone, mudstone, clinker and ash with occasional fragments of charcoal.				
ES	0.90							
B	1.00 - 1.20		1					
ES	1.30			*at 1.30m PID 0.0ppm*				
			2					
				End of trial pit at 2.30m	2.30	97.58		
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 2.30m bgl on sandstone boulder. 3. Hand shear vane failed due to friable nature of soils. 4. Sides remained stable throughout excavation. 5. Perched groundwater at 0.80m bgl. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client. 8. PID = Photoionisation detector to screen soils for volatile organic compounds (VOCs).

GL (m AOD) 99.88
Easting: 430318181.64
Northing: 394154035.25

Fig No. STP20

TRIAL PIT RECORD

TP No. **STP21**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 03/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
ES	0.20			MADE GROUND: Dark grey slightly clayey sandy GRAVEL of angular sandstone, brick and concrete. Occasional ashy pockets and clinker.				
					0.50	99.64		
ES	0.60			MADE GROUND: Soft to firm light brown slightly clayey gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-angular of sandstone. Low content of angular cobbles of sandstone and brick.				
D	0.70							
			1		1.00	99.14		
ES	1.20			Soft to firm light brown slightly silty slightly sandy gravelly CLAY. High plasticity (field description). Gravel is angular to sub-angular of sandstone. High content of angular cobbles and boulders of sandstone up to 900mm diameter. (ALLUVIUM)				
B	1.40							
			2					
ES	2.50							
			3	End of trial pit at 3.00m	3.00	97.14		
			4					
			5					

Remarks and Groundwater Observations

1. Trial pit complete at 3.00m bgl due to collapse. 2. Groundwater encountered at 2.30m bgl. 3. Backfilled with arisings upon completion. 4. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 100.14
Easting: 430296641.63
Northing: 394169667.89

Fig No. STP21

TRIAL PIT RECORD

TP No. **STP22**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 03/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
B ES	0.20 - 0.30 0.20			MADE GROUND: Dark grey slightly clayey sandy GRAVEL of angular sandstone, brick and concrete. Occasional ashy pockets and clinker.				
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.	0.30	100.41		
ES B	0.90 1.00 - 1.40		1	MADE GROUND: Black silty gravelly SAND of ash and clinker with occasional fragments of brick and sandstone. *from 0.70m vertical steel pile in north-east corner of trial pit*	0.70	100.01		
ES	3.00		3	End of trial pit at 3.50m	3.50	97.21		
			2					
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit complete at 3.50m bgl. 3. Groundwater not encountered. 4. Sides remained stable throughout excavation. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 100.71
Easting: 430248756.18
Northing: 394165153.05

Fig No. STP22

TRIAL PIT RECORD

TP No. **STP23**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 03/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.	0.10	95.20		
				End of trial pit at 0.10m				

1
2
3
4
5

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated due to reinforced concrete. 3. Groundwater not encountered. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level taken as hole completed internally.

GL (m AOD) 95.30
Easting: 430251273.43
Northing: 394063355.74

Fig No.
STP23

TRIAL PIT RECORD

TP No. **STP24**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 03/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
ES	0.05			MADE GROUND: Dark grey slightly clayey sandy GRAVEL of angular sandstone, brick and concrete. Occasional ashy pockets and clinker.	0.10	100.70		
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.	0.50	100.30		
				MADE GROUND: Black silty gravelly SAND of ash and clinker with occasional fragments of brick and sandstone. *at 0.55m copper pipe approximately 40mm diameter (possible service)*				
ES	0.80							
			1					
			2					
B	2.50 - 2.80							
ES	3.00		3					
				End of trial pit at 3.40m	3.40	97.40		
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 3.40m bgl due to collapse. 3. Sides unstable. 4. Groundwater not encountered. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 100.80
Easting: 430220275.03
Northing: 394192273.25

Fig No. STP24

TRIAL PIT RECORD

TP No. **STP25**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 02/12/2015

Method: JCB 3CX 360 degree backhoe excaavtor with 600mm wide toothed bucket
Scale: 1:25

Logged By: JF
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
ES	0.20			MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.	0.17	100.38		
				MADE GROUND: Black sandy GRAVEL of sub-angular to sub-rounded ash, clinker, sandstone and brick.				
ES	0.70			MADE GROUND: Firm friable black sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular to sub-rounded of brick, concrete, sandstone and mudstone with occasional fragments of plastic and wood. Low content of sub-angular cobbles of brick.	0.65	99.90		
ES	0.90				0.80	99.75		
			1	MADE GROUND: Firm yellowish grey sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular to sub-rounded of brick, concrete, sandstone and limestone with occasional fragments of wood, plastic and metal.	1.00	99.55		
				End of trial pit at 1.00m				
			2					
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit complete at 1.00m bgl. 3. Sides unstable in granular made ground. 4. Groundwater not encountered. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 100.55
Easting: 430274246.23
Northing: 394189625.53

Fig No. STP25

TRIAL PIT RECORD

TP No. **STP26**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 02/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: JF | Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.	0.20	100.80		
ES	0.25							
ES	0.40			MADE GROUND: Black sandy GRAVEL of sub-angular to sub-rounded fine to coarse of brick and concrete. Occasional ashy pockets and clinker.	0.35	100.65		
				MADE GROUND: Soft orangish brown sandy very gravelly CLAY. Low plasticity (field description). Gravel is sub-angular to sub-rounded of sandstone with occasional fragments of brick and concrete. Low content of sub-angular cobbles of sandstone.	0.77	100.23		
ES	1.00		1	MADE GROUND: Soft grey very sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular to angular of sandstone with occasional fragments of brick, wood and plastic. Medium content of presumed asbestos containing materials (ACMs), comprising of cement bonded rainwater goods and tiles.				
ES	1.10			*at 1.10m PID 0.0ppm*				
			2					
				MADE GROUND: Soft to firm blackish grey very gravelly sandy CLAY. Low plasticity (field description). Gravel is sub-angular to sub-rounded of sandstone, wood, plastic and ceramic tiles with fragments of presumed asbestos contaning materials (ACMs).	2.40	98.60		
ES	2.50			*at 2.50m PID 0.0ppm*				
			3		3.00	98.00		
ES	3.10			MADE GROUND: Soft brownish orange gravelly sandy CLAY. Low plasticity (field description). Gravel is sub-angular to sub-rounded of sandstone, plastic and brick with occasional fragments of presumed asbestos containing materials (ACMs).	3.10	97.90		
				at 3.10m PID 0.0ppm				
				End of trial pit at 3.10m				
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 3.10m bgl on sandstone boulder. 3. Sides were unstable in granular made ground. 4. Groundwater encountered at 3.00m 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client. 8. PID = photoionisation detector to screen soils for volatile organic compounds (VOCs).

GL (m AOD) 101.00
Easting: 430247510.65
Northing: 394218467.43

Fig No. STP26

TRIAL PIT RECORD

TP No. **STP27**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 02/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: JF
Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.				
ES	0.30			MADE GROUND: Moist greyish black slightly clayey sandy GRAVEL of sub-angular to angular brick, concrete and sandstone with occasional fragments of fabric, glass, plastic and metal. Low content of sub-angular cobbles and boulders of sandstone.	0.25	100.64		
ES	0.60			*at 0.80m steel girder.*				
			1					
ES	1.60							
				Soft low strength greenish grey sandy CLAY with frequent organic debris. Low plasticity (field description). (ALLUVIUM)	1.87	99.02		
ES	2.00	20.0	2					
D	2.01							
D	2.50	25.0						
				End of trial pit at 2.60m	2.60	98.29		
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 2.60m bgl 3. Sides were unstable in granular made ground. 4. Groundwater encountered at 1.80m. 5. Hand shear vane presented as an average of set of three. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 100.89
Easting: 430266242.97
Northing: 394234147.65

Fig No. STP27

TRIAL PIT RECORD

TP No. **STP28**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 03/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
ES	0.20			MADE GROUND: Brown sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone, brick and concrete.				
				MADE GROUND: Dark grey very sandy gravelly CLAY with frequent bands of ash and clinker. Low plasticity (field description). Gravel is angular to sub-rounded of sandstone, brick, concrete with occasional fragments of metal.	0.30	101.71		
ES	0.60							
D	0.70							
				between 0.90m and 2.00m increased ash and clinker content				
			1					
B	1.20 - 1.60							
ES	1.70							
			2					
				at 2.30m steel girder				
				at 2.60m large concrete boulder approximately 800mm diameter				
D	2.80							
ES	2.80							
			3	End of trial pit at 3.00m	3.00	99.01		
			4					
			5					

Remarks and Groundwater Observations

1. Trial pit terminated at 3.00m bgl due to refusal on boulder. 2. Sides unstable. 3. Perched groundwater seepage encountered at 0.30m bgl. 4. Backfilled with arisings upon completion. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 102.01
Easting: 430235679.60
Northing: 394247755.64

Fig No. STP28

TRIAL PIT RECORD

TP No. **STP29**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 03/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.	0.20	101.00		
ES	0.30			MADE GROUND: Grey slightly clayey sandy GRAVEL of angular to sub-angular limestone, sandstone, concrete and clinker.	0.40	100.80		
ES	0.60			MADE GROUND: Soft to firm light brown occasionally mottled grey slightly sandy slightly gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-angular of sandstone.				
B	0.70 - 0.90							
			1		1.00	100.20		
ES	1.20			MADE GROUND: Soft low strength grey mottled brown slightly sandy slightly gravelly CLAY with occasional fragments of wood, textiles and metal. Low plasticity (field description). Gravel is angular to sub-angular of sandstone and clinker.				
D	1.50	26.0						
			2		2.10	99.10		
				MADE GROUND: Grey clayey sandy GRAVEL of angular sandstone, concrete, brick and clinker with occasional fragments of wood and metal.				
B	2.40 - 2.60							
ES	2.50							
			3	End of trial pit at 3.00m	3.00	98.20		
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 3.00m bgl due to collapse. 3. Sides unstable. 4. Hand shear vane results presented as an average of a set of three. 5. Groundwater not encountered. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 101.20
Easting: 430194347.98
Northing: 394242691.11

Fig No.
STP29

TRIAL PIT RECORD

TP No. **STP30**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 17/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel sized fragments of limestone and 10% small voids.	0.15	101.26		
ES	0.20			MADE GROUND: Grey/brown silty gravelly SAND. Gravel is angular brick, concrete, limestone and sandstone. High content of angular cobble sized fragments of concrete and brick.	0.40	101.01		
B	0.50 - 0.80			MADE GROUND: Black silty gravelly SAND of ash and clinker.				
ES	0.60							
			1	MADE GROUND: Soft dark grey/brown sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of brick, sandstone, ash and clinker. Low content of angular cobbles of brick and sandstone.	1.00	100.41		
ES	1.30			*from 1.30m and 2.40m single large steel sheet at approximately 45 degree angle*				
D	1.40							
			2					
ES	2.30							
D	2.40							
				End of trial pit at 2.80m	2.80	98.61		
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 2.80m bgl due obstruction from concrete and large steel sheet. 3. Sides unstable. 4. Groundwater not encountered. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 101.41
Easting: 430218009.92
Northing: 394214543.08

Fig No.
STP30

TRIAL PIT RECORD

TP No. **STP31**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 03/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
ES	0.40			MADE GROUND: Dense scrub vegetation over TOPSOIL comprising soft brown sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone, brick and concrete.				
D	0.70							
			1	MADE GROUND: Soft dark grey very sandy gravelly CLAY with frequent bands of ash and clinker. Low plasticity (field description). Gravel is angular to sub-rounded of sandstone, brick, concrete with occasional fragments of plastic, metal and textiles.	0.90	100.66		
ES	1.30							
D	1.50							
				MADE GROUND: Firm medium strength greenish grey sandy gravelly SILT/CLAY with fragments of organic debris. Gravel is angular of sandstone, brick, wood and mudstone. (Possible Reworked Alluvium).	1.60	99.96		
ES	1.80	52.0						
D	2.00		2					
		19.0		*from 2.50m becoming soft very low strength material.*				
				End of trial pit at 2.60m	2.60	98.96		
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Trial pit terminated at 2.60m bgl due to rapid groundwater ingress. 2. Sides unstable. 3. Hand shear vane results presented as an average of a set of three. 4. Groundwater strike at 2.00m rising to 1.80m bgl. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 101.56
Easting: 430172146.05
Northing: 394266856.14

Fig No. STP31

TRIAL PIT RECORD

TP No. **STP32**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 03/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
ES	0.30			MADE GROUND: Scrub vegetation over TOPSOIL comprising soft brown sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone, brick and concrete. *at 0.30m bituminous roofing material (possible asbestos containing material - ACM)*	0.80	101.70		
D	1.00		1	MADE GROUND: Soft dark grey very sandy gravelly CLAY with frequent bands of ash, clinker and paper pulp. Low plasticity (field description). Gravel is angular to sub-rounded of sandstone, brick, concrete with occasional fragments of plastic, metal and textiles. *at 1.30m reinforced concrete in northern part of trial pit*				
ES	1.40							
B	1.50 - 1.80		2					
			3					
ES	3.30							
				End of trial pit at 3.40m	3.40	99.10		
			4					
			5					

Remarks and Groundwater Observations

1. Trial pit terminated at 3.40m bgl due to groundwater ingress and collapse. 2. Sides unstable. 3. Groundwater strike at 3.20m bgl. 4. Backfilled with arisings upon completion. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 102.50
Easting: 430185707.56
Northing: 394293102.35

Fig No. STP32

TRIAL PIT RECORD

TP No. **STP33**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 03/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
ES	0.20			MADE GROUND: Scrub vegetation over TOPSOIL comprising soft brown sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone, brick and concrete.				
B	0.40 - 0.60							
					0.70	102.01		
ES	0.90			MADE GROUND: Soft dark grey very sandy gravelly CLAY with frequent bands of ash and clinker. Low plasticity (field description). Gravel is angular to sub-rounded of sandstone, brick and concrete with occasional fragments of plastic, metal and textiles.				
D	1.10		1					
ES	1.90							
			2	*from 2.00m low content of angular boulders of sandstone and concrete up to 900mm diameter*				
D	2.10							
				End of trial pit at 2.80m	2.80	99.91		
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Trial pit terminated at 2.80m bgl due to refusal on sandstone boulder. 2. Sides unstable. 3. Groundwater not encountered. 4. Backfilled with arisings upon completion. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 102.71
Easting: 430220153.32
Northing: 394277474.67

Fig No. STP33

TRIAL PIT RECORD

TP No. **STP34**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 17/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel sized fragments of limestone and 10% small voids.	0.20	99.96		
ES	0.30			MADE GROUND: Light brown sandy GRAVEL of angular brick and concrete. High content of angular cobbles of brick and concrete. *from 0.40m to beyond 2.40m stone wall in western face*	0.45	99.71		
				MADE GROUND: Black silty SAND and GRAVEL of ash and clinker with occasional fragments of brick and concrete.				
ES	1.30							
B	1.40 - 1.60							
ES	2.70							
				End of trial pit at 3.40m	3.40	96.76		

1
2
3
4
5

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 3.20m bgl due to collapse. 3. Sides unstable. 4. Groundwater not encountered. 5. Backfilled with arisings upon completion.6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 100.16
Easting: 430177492.62
Northing: 394127940.37

Fig No. STP34

TRIAL PIT RECORD

TP No. **STP35**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 17/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB | Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Red/brown sandy GRAVEL and COBBLES of brick and concrete with occasional cast iron, re-bar and wood. High content of angular boulders of concrete up to 600mm diameter.				
ES	0.50							
			1	*from 1.00m brick wall in southern face*				
ES	1.50							
ES	1.80			*at 1.80m yellow/brown lagging (possible asbestos containing material - ACM)*				
				End of trial pit at 1.90m	1.90	98.51		
			2					
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Trial pit terminated at 1.90m bgl due to collapse. 2. Sides unstable. 3. Groundwater not encountered. 4. Backfilled with arisings upon completion. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 100.41
Easting: 430173069.37
Northing: 394089172.73

Fig No. STP35

TRIAL PIT RECORD

TP No. **STP36**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 17/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
ES	0.40			MADE GROUND: Red/brown sandy GRAVEL and COBBLES of brick and concrete with occasional cast iron, re-bar and wood. High content of angular boulders of concrete up to 600mm diameter.				
ES B	1.60 1.70 - 1.90			*from 1.50m becoming grey slightly clayey*				
				End of trial pit at 2.50m	2.50	97.40		

1
2
3
4
5

Remarks and Groundwater Observations

1. Trial pit terminated at 2.50m bgl due to collapse. 2. Sides unstable. 3. Groundwater not encountered. 4. Backfilled with arisings upon completion. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 99.90
Easting: 430148227.31
Northing: 394076018.74

Fig No. STP36

TRIAL PIT RECORD

TP No. **STP37**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 03/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.	0.20	100.35		
				End of trial pit at 0.20m				

1
2
3
4
5

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated due to reinforced concrete. 3. Groundwater not encountered. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 100.55
Easting: 430224769.96
Northing: 394154167.97

Fig No. STP37

TRIAL PIT RECORD

TP No. **STP40**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 02/12/2015

Method: JCB 3CX 360 degree backhoe excavator usign 600mm wide toothed bucket
Scale: 1:25

Logged By: JF
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.				
					0.27	95.05		
ES	0.35			MADE GROUND: Greyish black gravelly SAND. Gravel is sub-angular to angular of brick and concrete. Occasional ashy pockets and clinker.				
					0.60	94.72		
ES	0.70			MADE GROUND: Orangish brown slightly clayey gravelly SAND. Gravel is sub-angular to angular of brick and concrete with occasional fragments of wood, and metal fragments. Occasional ashy pockets.				
			1	*from 1.00m low content of sub-rounded sandstone cobbles.*				
					1.20	94.12		
ES	1.40	50.0		Soft medium becoming very low strength blackish grey sandy CLAY with frequent inclusions of organic debris. High plasticity (field description). (ALLUVIUM)				
ES	1.60	20.0						
					1.80	93.52		
			2	Soft low strength greenish grey slightly gravelly sandy CLAY with frequent organic debris. High plasticity (field description). Gravel is sub-angular of mudstone. (ALLUVIUM)				
D	2.20	30.0						
ES	2.20							
D	2.50	45.0		*from 2.50m becoming medium strength.*				
			3					
D	3.10	40.0						
					3.15	92.17		
D	3.20			Soft medium strength greyish brown slightly gravelly sandy CLAY. Low plasticity (field description). Gravel is sub-angular to sub-rounded of mudstone. Faint natural organic odour. (ALLUVIUM)				
ES	3.20				3.25	92.07		
				End of trial pit at 3.25m				
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 3.25m bgl due to collapse. 3.Hand shear vane results presented as an average of a set of three. 4. Sides stable throughout excavation. 5. Groundwater encountered from 3.15m bgl. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 95.32
Easting: 430286766.57
Northing: 394036048.91

Fig No.
STP40

TRIAL PIT RECORD

TP No. **STP42**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 17/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel sized fragments of limestone and 10% small voids.				
				MADE GROUND: Grey/brown slightly clayey sandy GRAVEL of angular sandstone, concrete and brick. High content of angular cobbles and boulders of sandstone, concrete and brick. upto 500mm diameter.	0.30	94.93		
ES	0.50							
			1	MADE GROUND: Soft brown sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular to rounded of sandstone and brick. High content of sub-rounded to rounded cobbles of sandstone.	1.00	94.23		
				between 1.20m and 1.80m concrete in western face				
ES	1.40							
B	1.50 - 1.80							
			2	*from 2.10m stained black hydrocarbon odour and sheen*				
ES	2.30							
ES	2.40			*at 2.40m PID - 7.0ppm*				
				End of trial pit at 2.50m	2.50	92.73		
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 2.50m bgl due to collapse. 3. Sides unstable. 4. Groundwater not encountered. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client. 7. PID = photoionisation detector to screen soils for volatile organic compounds.

GL (m AOD) 95.23
Easting: 430202217.20
Northing: 394045625.19

Fig No. STP42

TRIAL PIT RECORD

TP No. **STP43**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 27/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.05	95.58		
ES	0.30			MADE GROUND: Dark grey silty gravelly SAND. Gravel is angular of sandstone, brick and concrete with occasional fragments of asphalt and clinker. Low content of angular cobbles of sandstone, brick and concrete. Occasional ashy pockets.	0.70	94.93		
ES	0.80			MADE GROUND: Dark brown sandy clayey GRAVEL of angular to sub-angular mudstone with occasional fragments of brick.				
D	1.00		1		1.10	94.53		
				MADE GROUND: Dark grey silty gravelly SAND. Gravel is angular of sandstone, brick and concrete with occasional fragments of asphalt and clinker. Low content of angular cobbles of sandstone, brick and concrete. Slightly ashy with occasional metal and rope.				
ES	1.80			Light brown slightly gravelly clayey SAND. (ALLUVIUM)	1.70	93.93		
			2					
B	2.20 - 2.40							
				from 2.60m increased gravel and cobble content				
			3	End of trial pit at 3.00m	3.00	92.63		
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 3.00m bgl due to collapse. 3. Sides becoming unstable from 1.10m bgl. 5. Groundwater encountered from 2.60m bgl. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 95.63
Easting: 430290896.81
Northing: 393992858.14

Fig No.
STP43

TRIAL PIT RECORD

TP No. **STP45**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 30/11/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.05	95.41		
ES	0.40			MADE GROUND: Grey sandy GRAVEL of angular to sub-angular limestone. (Sub-base).	0.30	95.16		
B	0.60 - 0.80			MADE GROUND: Firm friable brown slightly sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone with occasional fragments of brick. Medium content of angular cobbles of sandstone.	0.50	94.96		
ES	0.70			Stiff friable brown slightly sandy gravelly CLAY. Low plasticity. Gravel is angular of sandstone. Medium content of angular cobbles and boulders of sandstone up to 900mm diameter. (Completely weathered MILLSTONE GRIT FORMATION)				
D	2.00		1					
ES	2.10		2					
				End of trial pit at 2.20m	2.20	93.26		
			3					
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 2.20m bgl on large sandstone boulder. 3. Hand shear vane failed due to friable nature of soils. 4. Sides remained stable throughout excavation. 5. Groundwater not encountered. 6. Backfilled with arisings upon completion. 7. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 95.46
Easting: 430437222.61
Northing: 394039165.76

Fig No. STP45

TRIAL PIT RECORD

TP No. **STP49**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 17/12/2015

Method: JCB 3CX 360 degree backhoe excavator using 600mm wide toothed bucket
Scale: 1:25

Logged By: GB
Checked By: G.H

SAMPLE DETAILS | STRATA RECORD

Type	Depth From - To(m)	Vane Results kN/m2 {}{PID}	Ground -water	Description	Depth (m)	Level (m AOD) PID (ppm)	Legend	Backfill
				MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel sized fragments of limestone and 10% small voids.	0.25	94.91		
ES	0.40			MADE GROUND: Soft brown sandy gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-rounded of sandstone with occasional concrete and brick fragments.				
B	0.50 - 0.70			*between 0.25m and 0.53m brick wall in western face*				
			1	MADE GROUND: Soft brown sandy gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-rounded of sandstone. (Possibly reworked ALLUVIUM)	1.00	94.16		
B	1.30 - 1.60							
ES	1.40							
			2					
				from 2.30m increased sand and gravel content. Stained black with hydrocarbon odour and sheen				
ES	2.50							
ES	2.60			*at 2.60m PID - 0.5ppm*				
				Very soft greenish grey slightly sandy slightly gravelly CLAY/SILT. High plasticity (field description). Gravel is sub-angular to rounded of sandstone. Medium content of sub-rounded cobbles of sandstone. (ALLUVIUM)	2.80	92.36		
ES	3.00		3					
D	3.10							
				End of trial pit at 3.20m	3.20	91.96		
			4					
			5					

Remarks and Groundwater Observations

1. Hard standing broken out using hydraulic breaker. 2. Trial pit terminated at 3.20m bgl due to collapse. 3. Sides collapsed back to 2.80m bgl. 4. Groundwater encountered from 2.70m bgl. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 95.16
Easting: 430211818.30
Northing: 394013625.06

Fig No.
STP49

WINDOW SAMPLING RECORD

BH No. **SWS01**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 07/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
ES	0.30			MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.13	95.59		
ES	0.60			MADE GROUND: Grey SAND and GRAVEL of angular limestone. (Sub-base).	0.40	95.32		
D	0.70	N=20 (3,3/4,5,5,6)	1	Stiff high strength brown slightly sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone. Low content of angular cobbles of sandstone. (Completely weathered MILLSTONE GRIT FORMATION)				
D	1.90	120.0 N=25 (4,4/4,5,7,9)	2					
ES	3.10	120.0 N=22 (5,5/5,5,6,6)	3					
D	3.50	130.0 50 (25 for 10mm/50 for 10mm)	4	End of Borehole at 3.60m	3.60	92.12		
			5					
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 3.60m bgl due to refusal (assumed sandstone boulder). 3. Groundwater not encountered. 4. Hand shear vane results presented as an average of a set of three. 5. Ground gas and groundwater monitoring well installed as detailed above. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
95.72m AOD
Easting:
430641757.97
Northing:
393973522.26

Fig No.
SWS01

WINDOW SAMPLING RECORD

BH No. **SWS02**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 07/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.12	94.42		
ES	0.70			MADE GROUND: Grey SAND and GRAVEL of angular limestone. (Sub-base).	0.60	93.94		
D	0.80	N=4 (0,1/1,1,1,1)	1	Firm brown occasionally mottled grey slightly sandy slightly gravelly CLAY with occasional inclusions of organic debris. High plasticity (field description). Gravel is angular sandstone. Low content of angular cobbles of sandstone. (ALLUVIUM)	1.00	93.54		
ES	1.60							
D	1.70	10.0 N=17 (1,10/5,6,3,3)	2	Very soft very low strength grey/brown slightly sandy slightly gravelly CLAY/SILT with occasional black organic speckling and organic debris. High plasticity (field description). Gravel is angular to sub-angular of sandstone. (ALLUVIUM)				
		10.0						
		N=8 (2,2/2,2,2,2)	3	*from 3.00m becoming soft to firm and medium strength*				
D	3.50							
ES	3.70							
		40 (25 for 40mm/40 for 145mm)	4	End of Borehole at 4.00m	4.00	90.54		
			5					
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 4.00m bgl due to refusal (assumed sandstone boulder). 3. Groundwater seepage encountered at 1.00m bgl. 4. Hand shear vane results presented as an average of a set of three. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
94.54m AOD
Easting:
430647954.77
Northing:
393908125.27

Fig No.
SWS02

WINDOW SAMPLING RECORD

BH No. **SWS02A**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 14/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.15	94.57		
				MADE GROUND: Grey SAND and GRAVEL of angular limestone. (Sub-base).	0.55	94.17		
				Stiff becoming firm brown occasionally mottled grey very sandy gravelly CLAY. High plasticity (field description). Gravel is angular sandstone. Low content of angular cobbles of sandstone. (ALLUVIUM)				
				from 1.00m to 2.00m poor recovery - pushing sandstone cobble				
				Soft to very soft grey/brown very sandy slightly gravelly CLAY/SILT with occasional black organic speckling. High plasticity (field description). Gravel is fine to medium sub-rounded to rounded of sandstone. (ALLUVIUM)	2.00	92.72		
				from 3.00m becoming greenish grey				
				End of Borehole at 4.00m	4.00	90.72		

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 4.00m bgl due to refusal (assumed sandstone boulder). 3. Groundwater not encountered. 4. Ground gas and groundwater monitoring well installed as detailed above. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
94.72m AOD
Easting:
430643822.59
Northing:
393912807.34

Fig No.
SWS02A

WINDOW SAMPLING RECORD

BH No. **SWS03**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 10/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: J-C.R | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
ES	0.20			MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel sized fragments of limestone and 10% small voids.	0.18	95.19		
ES	0.40				0.33	95.04		
D	0.50			MADE GROUND: Light yellow sandy GRAVEL of angular limestone. (Sub-base).	0.60	94.77		
D	0.70							
ES	0.80							
		N=20 (3,3/3,4,5,8)	1	MADE GROUND: Firm to stiff friable brown sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone and brick.				
				Stiff high strength friable brown sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular of sandstone. (completely weathered MILLSTONE GRIT FORMATION).				
		N=20 (2,2/3,3,5,9)	2					
		N=12 (2,3/3,3,3,3)	3					
D	3.10			Medium dense grey silty sandy GRAVEL of sub-angular mudstone . (Completely weathered MILLSTONE GRIT FORMATION)	3.00	92.37		
ES	3.20							
D	3.80			Weak dark grey MUDSTONE. (MILLSTONE GRIT FORMATION)	3.70	91.67		
		50 (12,10/50 for 285mm)	4	End of Borehole at 4.00m	4.00	91.37		
			5					
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tip corer. 2. Borehole terminated at 4.00m bgl in bedrock. 3. Groundwater not encountered. 4. Backfilled with arisings on completion. 5. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level as hole undertaken internally.

GL (m AOD)
95.37m AOD
Easting:
430528612.68
Northing:
393977993.32

Fig No.
SWS03

WINDOW SAMPLING RECORD

BH No. **SWS04**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 07/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.13	97.08		
ES	0.45			MADE GROUND: Grey SAND and GRAVEL of angular limestone. (Sub-base).	0.40	96.81		
ES	0.70			MADE GROUND: Black sandy GRAVEL and COBBLES of angular sandstone, brick and ash.	0.50	96.71		
D	0.80	50 (3,4/50 for 295mm)		Firm to stiff brown slightly sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone. Low content of angular cobbles of sandstone. (Completely weathered MILLSTONE GRIT FORMATION)	1.00	96.21		
			1	End of Borehole at 1.00m				
			2					
			3					
			4					
			5					
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 1.00m bgl due to refusal (assumed sandstone boulder). 3. Groundwater not encountered. 4. Hand shear vane unsuccessful due to friable nature of soils. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
97.21m AOD
Easting:
430570509.85
Northing:
394013623.41

Fig No.
SWS04

WINDOW SAMPLING RECORD

BH No. **SWS05**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 10/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: J-C.R | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
ES	0.20			MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel size fragments of limestone and 10% small voids.	0.20	95.16		
D	0.25				0.30	95.06		
ES	0.30			MADE GROUND: Light yellow sandy GRAVEL of angular limestone. (Sub-base).				
D	0.40							
		N=26 (7,7/7,7,5,7)	1	MADE GROUND: Dense dark brown sandy very clayey GRAVEL of sub-angular brick, concrete and sandstone.				
		40 (4 for 88mm/40 for 295mm)	2	End of Borehole at 2.00m	2.00	93.36		
			3					
			4					
			5					
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 2.00m bgl (assumed obstruction). 3. Groundwater not encountered. 4. Backfilled with arisings on completion. 5. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level owing to hole being undertaken internally.

GL (m AOD)
95.36m AOD
Easting:
430520682.52
Northing:
394001774.46

Fig No.
SWS05

WINDOW SAMPLING RECORD

BH No. **SWS06**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 07/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.08	101.28		
ES	0.30				0.20	101.16		
ES	0.50			MADE GROUND: Grey SAND and GRAVEL of angular limestone. (Sub-base).	0.35	101.01		
D	0.60							
		32.0						
		N=18 (2,3/3,4,5,6)	1	MADE GROUND: Black sandy GRAVEL and COBBLES of angular sandstone, brick, clinker and ash.	1.10	100.26		
ES	1.30			MADE GROUND: Soft low strength greenish grey slightly sandy slightly gravelly silty CLAY. Low plasticity (field description). Gravel is angular to sub-angular of sandstone with occasional clinker, charcoal and brick fragments. (Possible Reworked ALLUVIUM)				
D	1.40							
		N=19 (3,3/4,5,5,5)	2	Stiff high strength brown slightly sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone. Low content of angular cobbles of sandstone. (Completely weathered MILLSTONE GRIT FORMATION)				
		N=12 (2,2/2,3,3,4)	3	*from 3.00m becoming firm medium strength material*	3.30	98.06		
D	3.90			Stiff high strength friable dark grey/brown slightly silty gravelly CLAY. Low plasticity (field description). Gravel is angular of tabular mudstone. (Completely weathered MILLSTONE GRIT FORMATION)				
		N=19 (3,3/4,4,5,6)	4					
ES	4.80							
		50 (6,9/50 for 290mm)	5	End of Borehole at 5.00m	5.00	96.36		
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 5.00m bgl due to refusal (assumed bedrock). 3. Groundwater encountered at 4.80m bgl. 4. Hand shear vane results presented as an average of a set of three. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
101.36m AOD
Easting:
430487140.58
Northing:
394050498.82

Fig No.
SWS06

WINDOW SAMPLING RECORD

BH No. **SWS07**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 10/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: J-C.R | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
ES	0.20			MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel sized fragments of limestone and 10% small voids.	0.18	95.19		
D	0.30				0.40	94.97		
ES	0.40			MADE GROUND: Light yellow sandy GRAVEL of angular limestone. (Sub-base).	0.60	94.77		
D	0.45							
D	0.60							
ES	0.70		1	MADE GROUND: Firm to stiff friable brown sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone and brick.				
		N=24 (2,3/4,4,8,8)		Stiff high strength friable brown sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular of sandstone. (Completely weathered MILLSTONE GRIT FORMATION)				
		N=21	2		2.00	93.37		
D	2.10	(3,3/3,3,6,9)		Medium dense grey silty sandy GRAVEL of sub-angular mudstone. (Completely weathered MILLSTONE GRIT FORMATION)				
ES	2.20							
		N=11 (1,2/2,2,3,4)	3					
D	3.70			Very stiff very high strength friable dark grey sandy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular of mudstone and sandstone. (Completely weathered MILLSTONE GRIT FORMATION)	3.60	91.77		
ES	3.80							
		N=34 (7,7/6,7,8,13)	4					
		N=39 (7,8/9,10,10,10)	5					
		50 (8,8/50 for 255mm)	6	End of Borehole at 6.00m	6.00	89.37		
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 6.00m bgl due to refusal (assumed bedrock). 3. Groundwater not encountered. 4. Ground gas and groundwater monitoring well installed as detailed above. 5. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level owing to hole being completed internally.

GL (m AOD)
95.37m AOD
Easting:
430534062.01
Northing:
393967074.76

Fig No.
SWS07

WINDOW SAMPLING RECORD

BH No. **SWS08**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 11/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: J-C.R | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel sized fragments of limestone and 10% small voids.	0.30	95.12		
				End of Borehole at 0.30m				

1
2
3
4
5
6
7
8
9

Remarks and Water Observations:

1. Hard standing cored using 200mm diameter diamond tipped corer. 2. Borehole terminated at 0.30m in reinforced concrete. 3. No groundwater encountered. 4. Ground level and coordinates taken from topographical survey supplied by client. Nearest ground level owing to hole being completed internally.

GL (m AOD)
95.42m AOD
Easting:
430427205.85
Northing:
393977920.76

Fig No.
SWS08

WINDOW SAMPLING RECORD

BH No. **SWS08A**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 14/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.15	95.18		
ES	0.60			MADE GROUND: Soft low strength orange/brown sandy gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-rounded of sandstone.				
		N=6 (2,1/1,1,2,2)	1					
D	1.20							
		N=9 (4,5/4,2,2,1)	2	MADE GROUND: Loose black sandy GRAVEL of ash and clinker.	1.90	93.43		
ES	2.10				2.30	93.03		
ES	2.60			Firm medium strength brown mottled grey slightly gravelly sandy CLAY/SILT. High plasticity (field description). Gravel is fine to medium of sub-angular to rounded sandstone. (ALLUVIUM)				
D	2.70							
		N=20 (3,1/3,5,5,7)	3	*from 3.00m bgl becoming stiff high strength*				
				Stiff high strength light brown/grey sandy very gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-rounded of sandstone. (ALLUVIUM)	3.50	91.83		
ES	3.80							
		N=24 (4,4/5,5,7,7)	4					
D	4.80							
		50 (25 for 20mm/50 for 40mm)	5	End of Borehole at 5.00m	5.00	90.33		
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 5.00m bgl due to collapse. 3. Groundwater not encountered. 4. Ground gas and groundwater monitoring well installed as detailed above. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
95.33m AOD
Easting:
430471881.70
Northing:
393952738.67

Fig No.
SWS08A

WINDOW SAMPLING RECORD

BH No. **SWS09**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 06/01/2016

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By:
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
ES	0.10			MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.05	95.44		
ES	0.40			MADE GROUND: Grey SAND and GRAVEL of angular limestone. (Sub-base).	0.20	95.29		
D	0.80	N=7 (2,1/1,1,3,2)	1	MADE GROUND: Soft low strength grey/black sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone, brick and concrete with occasional mudstone, ash and organic debris. Low content of angular cobble sized fragments of brick and concrete. (Possible Reworked ALLUVIUM)	1.50	93.99		
ES	1.70							
D	1.80	N=18 (4,5/4,4,5,5)	2	Stiff high strength orange/brown very sandy gravelly CLAY/SILT. Low plasticity (field description). Gravel is sub-angular to rounded of sandstone. (ALLUVIUM)				
B	2.60 - 2.80			Orange/brown clayey gravelly SAND. Gravel is sub-angular to rounded of sandstone. (Possible ALLUVIUM)	2.50	92.99		
		50 (9,11/50 for 295mm)	3	End of Borehole at 3.00m	3.00	92.49		
			4					
			5					
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 3.00m bgl due to refusal. 3. Groundwater seepage encountered at 2.50m bgl. 4. Ground gas and groundwater monitoring well installed as detailed above. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
95.49m AOD
Easting:
430297058.10
Northing:
393995137.58

Fig No.
SWS09

WINDOW SAMPLING RECORD

BH No. **SWS10**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 07/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.10	99.94		
ES	0.40							
D	0.50							
ES	0.80			MADE GROUND: Dark brown very sandy gravelly CLAY with occasional pockets of sand. Low plasticity (field description). Gravel is angular of brick, concrete and sandstone with occasional ash and clinker. Low content of angular cobbles of brick.	0.80	99.24		
		N=6 (2,2/2,2,1,1)	1	*at 0.80m medium gravel sized cement bound fragment (possible asbestos containing material - ACM)*				
ES	1.20							
D	1.40			MADE GROUND: Loose black SAND and GRAVEL of ash and angular clinker.				
		N=2 (1,1/0,0,1,1)	2	*from 2.00m becoming very loose*				
		N=9 (0,0/1,1,2,5)	3	Firm medium strength greenish grey slightly sandy slightly gravelly CLAY/SILT. High plasticity (field description). Gravel is angular to sub-angular of sandstone. (ALLUVIUM)	3.00	97.04		
ES	3.30							
D	3.40							
		30.0						
D	3.90			Firm brown sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone. Low content of angular cobbles of sandstone. (Completely weathered MILLSTONE GRIT FORMATION)	3.80	96.24		
		50 (6,7/50 for 255mm)	4	End of Borehole at 4.00m	4.00	96.04		
			5					
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 4.00m bgl due to refusal sandstone (assumed cobble). 3. Groundwater seepage encountered at 3.50m bgl. 4. Hand shear vane results presented as an average of a set of three. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
100.04m AOD
Easting:
430378029.36
Northing:
394081784.67

Fig No.
SWS10

WINDOW SAMPLING RECORD

BH No. **SWS11**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 07/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel size fragments of limestone and 10% small voids.	0.25	100.11		
ES	0.30							
ES	0.50			MADE GROUND: Grey sandy clayey GRAVEL of angular brick, concrete, sandstone, limestone and ash. Faint hydrocarbon odour.	0.35	100.01		
D	0.60							
		N=4 (1,1/1,1,1,1)	1	Soft low strength grey mottled brown slightly sandy slightly gravelly silty CLAY. High plasticity (field description). Gravel is angular to sub-angular of sandstone. (ALLUVIUM)				
D	1.60			Soft very low strength greenish grey slightly sandy slightly gravelly CLAY/SILT with occasional inclusions of organic debris. High plasticity (field description). Gravel is angular to sub-angular of sandstone. Possible low content of sub-angular cobbles/boulders of sandstone. (ALLUVIUM)	1.50	98.86		
ES	1.80							
		18.0 N=13 (1,1/3,3,3,4)	2	*at 2.00m SPT may not be representative owing to cobble/boulder content.*				
		N=27 (4,5/7,7,6,7)	3	Firm to stiff high strength brown slightly sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone. Low content of angular cobbles of sandstone. (Completely weathered MILLSTONE GRIT FORMATION)	2.70	97.66		
D	4.00	N=24 (4,5/5,6,6,7)	4					
ES	4.50							
		N=12 (2,3/3,3,3,3)	5	Stiff friable dark grey/brown slightly silty gravelly CLAY. Low plasticity (field description). Gravel is angular of tabular mudstone. (Completely weathered MILLSTONE GRIT FORMATION)	5.00	95.36		
D	6.00	N=17 (2,2/3,4,5,5)	6					
		N=17 (4,4/2,5,4,6)	7					
		N=26 (9,8/7,7,6,6)	8					
D	8.50							
ES	8.60							
		50 (25 for 105mm/50 for 85mm)	9	End of Borehole at 9.00m	9.00	91.36		

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 9.00m bgl due to refusal (assumed bedrock). 3. Groundwater encountered at 8.00m bgl. 4. Hand shear vane results presented as an average of a set of three. 5. Ground gas and groundwater monitoring well installed as detailed above. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 100.36m AOD
Easting: 430414725.08
Northing: 394076717.90

Fig No. SWS11

WINDOW SAMPLING RECORD

BH No. **SWS12**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 10/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: J-C.R | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
ES	0.15			MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel sized fragments of limestone and 10% small voids.	0.10	95.43		
D	0.20				0.30	95.23		
ES	0.30			MADE GROUND: Light yellow sandy GRAVEL of angular limestone. (Sub-base).	0.40	95.13		
D	0.35							
D	0.50			MADE GROUND: Soft dark grey ashy gravelly CLAY. Low plasticity (field description). Gravel is sub-angular of sandstone, brick and concrete.	1.00	94.53		
ES	0.60	50 (7,6/50 for 285mm)		Firm friable brown sandy very gravelly CLAY. High plasticity (field description). Gravel is sub-angular of sandstone. (Completely weathered MILLSTONE GRIT FORMATION)				
				End of Borehole at 1.00m				

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Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 1.00m bgl (assumed bedrock/cobble). 3. Groundwater not encountered. 4. Backfilled with arisings. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
95.53m AOD
Easting:
430394186.00
Northing:
394049886.56

Fig No.
SWS12

WINDOW SAMPLING RECORD

BH No. **SWS13**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 06/01/2016

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By:
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
ES	0.20			MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.12 0.25	98.94 98.81		
ES	0.60	50 (5,6/50 for 245mm)		MADE GROUND: Grey SAND and GRAVEL of angular limestone. (Sub-base). MADE GROUND: Black silty gravelly SAND of angular clinker, ash, sandstone and limestone.	0.80	98.26		
				End of Borehole at 0.80m				

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Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 0.80m bgl due to refusal on concrete cobble. 3. Groundwater not encountered. 4. Ground gas and groundwater monitoring well installed as detailed above. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
99.06m AOD
Easting:
430546564.35
Northing:
394031275.78

Fig No.
SWS13

WINDOW SAMPLING RECORD

BH No. **SWS14**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 15/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: JF | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong grey reinforced CONCRETE comprising 70% clasts 10% small voids. Clasts are sub-angular fine to coarse gravel sized fragments of flint.	0.23	99.80		
ES	0.40			MADE GROUND: Loose dark brown slightly clayey sandy GRAVEL of sub-angular clinker, ash, brick and concrete.				
ES	0.80							
		N=4 (1,0/1,1,1,1)	1					
ES	1.50							
		N=4 (1,1/1,1,1,1)	2	End of Borehole at 2.00m	2.00	98.03		
			3					
			4					
			5					
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole completed at 2.00m bgl.
3. No groundwater encountered. 4. Ground gas and groundwater monitoring well installed as detailed above.
5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
100.03m AOD
Easting:
430262197.91
Northing:
394115221.59

Fig No.
SWS14

WINDOW SAMPLING RECORD

BH No. **SWS15**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 08/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
ES	0.20			MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.14	95.60		
ES	0.60			MADE GROUND: Grey SAND and GRAVEL of angular limestone. (Sub-base).	0.40	95.34		
		50 (25 for 145mm/50 for 105mm)		MADE GROUND: Dark grey sandy GRAVEL and COBBLES of angular brick, sandstone, concrete, limestone and ash.	1.00	94.74		
				End of Borehole at 1.00m				

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Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 1.00m bgl due to refusal (assumed concrete). 3. Groundwater not encountered. 4. Backfilled with arisings upon completion. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
95.74m AOD
Easting:
430310523.70
Northing:
394056161.02

Fig No.
SWS15

WINDOW SAMPLING RECORD

BH No. **SWS15A**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 08/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.14	95.07		
				MADE GROUND: Grey SAND and GRAVEL of angular limestone. (Sub-base).	0.40	94.81		
		50 (7,13/50 for 105mm)	1	MADE GROUND: Dark grey sandy GRAVEL and COBBLES of angular brick, sandstone, concrete, limestone and ash.	1.00	94.21		
				End of Borehole at 1.00m				
			2					
			3					
			4					
			5					
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 1.00m bgl due to refusal (assumed concrete). 3. Groundwater not encountered. 4. Backfilled with arisings upon completion. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
95.21m AOD
Easting:
430315957.53
Northing:
394062317.58

Fig No.
SWS15A

WINDOW SAMPLING RECORD

BH No. **SWS16**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 08/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.12 0.27	100.02 99.87		
ES D	0.50 0.60			MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel sized fragments of limestone and 10% small voids.	0.40	99.74		
		N=4 (2,1/1,1,1,1)	1	MADE GROUND: Dark grey sandy GRAVEL and COBBLES of angular limestone and mudstone.	1.00	99.14		
ES D	1.50 1.60			MADE GROUND: Firm grey/brown very sandy very gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone.				
		18.0 N=10 (2,2/3,2,2,3)	2	MADE GROUND: Soft very low strength grey mottled brown slightly gravelly very sandy CLAY/SILT. Low plasticity (field description). Gravel is angular of sandstone.	2.00	98.14		
ES	2.50			MADE GROUND: Medium dense black clayey SAND and GRAVEL of ash and fine to medium angular clinker.				
		N=4 (2,2/1,1,1,1)	3	*from 3.00m becoming loose*				
ES D	3.50 3.60			Soft low strength greenish grey slightly gravelly sandy CLAY/SILT. High plasticity (field description). Gravel is fine to medium of angular to sub-angular sandstone. (ALLUVIUM)	3.20 3.80	96.94 96.34		
		N=26 (3,5/7,7,7,5)	4	Stiff high strength brown mottled grey sandy gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-angular of sandstone. (Completely weathered MILLSTONE GRIT FORMATION) *between 4.00m and 4.80m zone of core loss - pushing sandstone cobble*				
D	4.80							
		N=19 (2,2/3,5,5,6)	5	*between 5.00m and 5.60m zone of core loss - pushing sandstone cobble*				
ES	5.70							
		50 (25 for 75mm/50 for 40mm)	6	End of Borehole at 5.80m	5.80	94.34		
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 5.80m bgl due to refusal (assumed cobble). 3. Groundwater seepage encountered at 3.60m bgl. 4. Hand shear vane results presented as an average of a set of three. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
100.14m AOD
Easting:
430316058.46
Northing:
394125438.48

Fig No.
SWS16

WINDOW SAMPLING RECORD

BH No. **SWS17**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 08/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.04	99.57		
ES	0.50			MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel sized fragments of limestone and 10% small voids.	0.23	99.38		
		N=11 (2,2/2,2,3,4)	1	MADE GROUND: Medium dense grey/red sandy gravelly COBBLES of angular brick and sandstone with occasional concrete and slate.				
		N=7 (0,0/1,1,2,3)	2	Soft low strength greenish grey slightly sandy slightly gravelly CLAY/ SILT. High plasticity (field description). Gravel is fine to medium of angular to sub-angular sandstone. (ALLUVIUM)	2.00	97.61		
ES	2.20							
D	2.30	20.0			2.50	97.11		
D	2.90	40.0	3	Firm medium strength brown mottled grey sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone. (ALLUVIUM)				
		N=13 (2,2/3,3,3,4)						
		55.0		Firm medium strength grey slightly sandy slightly gravelly silty CLAY. Low plasticity (field description). Gravel is angular of mudstone. (Completely weathered MILLSTONE GRIT FORMATION)	3.50	96.11		
D	3.80	50.0						
ES	3.90		4	Medium dense grey clayey GRAVEL of angular tabular mudstone. (Completely weathered MILLSTONE GRIT FORMATION)	4.00	95.61		
		N=23 (7,6/7,6,5,5)						
D	4.80							
		50 (7,7/50 for 210mm)	5	End of Borehole at 5.00m	5.00	94.61		
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 5.00m bgl due to refusal (assumed bedrock). 3. Perched groundwater seepage encountered at 0.50m bgl. 4. Hand shear vane results presented as an average of a set of three. 5. Backfilled with arisings upon completion. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
99.61m AOD
Easting:
430351421.94
Northing:
394144136.22

Fig No.
SWS17

WINDOW SAMPLING RECORD

BH No. **SWS18**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 08/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
ES	0.20			MADE GROUND: Red/grey sandy GRAVEL and COBBLES of angular brick and concrete.				
					0.40	100.04		
D	0.60			MADE GROUND: Dark grey/black very sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of limestone, brick, ash, clinker and coal fragments.				
ES	0.80							
		N=36 (6,8/9,9,9,9)	1	MADE GROUND: Dense black SAND and GRAVEL of ash and angular clinker with occasional brick fragments.	1.00	99.44		
ES	2.00	N=9 (2,2/2,3,2,2)	2	*from 2.00m becoming medium dense*				
D	2.50							
		N=4 (2,3/1,1,1,1)	3	*from 3.00m becoming loose*				
					3.50	96.94		
ES	3.70			Firm medium strength greenish grey slightly gravelly sandy CLAY/SILT. Low plasticity (field description). Gravel is fine to medium angular to sub-rounded of sandstone. (ALLUVIUM)				
D	3.80	N=11 (2,2/2,3,3,3)	4					
					4.80	95.64		
		N=29 (7,6/6,7,8,8)	5	Brown clayey COBBLES of angular sandstone. (Completely weathered MILLSTONE GRIT FORMATION)	5.00	95.44		
				End of Borehole at 5.00m				
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Borehole terminated at 5.00m bgl due to collapse. 2. Groundwater encountered at 2.80m bgl. 3. Backfilled with arisings upon completion. 4. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
100.44m AOD
Easting:
430270995.68
Northing:
394167934.17

Fig No.
SWS18

WINDOW SAMPLING RECORD

BH No. **SWS19**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 08/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong black ASPHALT comprising 70% clasts 10% voids. Clasts are sub-angular fine to coarse gravel sized fragments of limestone.	0.06	100.05		
ES	0.40			MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel size fragments of limestone and 10% small voids.	0.30	99.81		
D	0.60							
		N=6 (1,2/1,2,2,1)	1	MADE GROUND: Soft low strength grey/brown gravelly very sandy CLAY with rare pockets of ash and clinker. Low plasticity (field description). Gravel is angular of sandstone and brick. Low content of angular cobbles of sandstone and brick.				
D	1.60							
ES	1.80	22.0						
		N=6 (2,3/2,1,1,2)	2					
		N=45 (25 for 70mm/25,10,6, 4)		*at 2.60m refusal on brick. Broken past during SPT testing*				
			3					
				Soft low strength grey/brown very sandy CLAY/SILT. Low plasticity (field description). Gravel is fine to medium of angular to sub-angular sandstone.	3.20	96.91		
ES	3.40							
D	3.60	30.0		(ALLUVIUM)	3.80	96.31		
		N=21 (4,5/5,5,5,6)	4	Stiff high strength grey mottled orange/brown sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone. (Completely weathered MILLSTONE GRIT FORMATION)				
D	4.50							
			5					
		N=50 (7,8/8,12,12,18)		End of Borehole at 5.00m	5.00	95.11		
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 5.00m bgl due to refusal. 3. Groundwater encountered at 4.80m bgl. 4. Hand shear vane results presented as an average of a set of three. 5. Ground gas and groundwater monitoring well installed as detailed above. 6. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
100.11m AOD
Easting:
430298003.50
Northing:
394150206.27

Fig No.
SWS19

WINDOW SAMPLING RECORD

BH No. **SWS20**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 09/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong grey CONCRETE comprising of 70% angular fine to coarse gravel sized fragments of limestone and 10% small voids. With 10mm rebar.				
					0.83	99.72		
		N=8 (1,1/1,1,2,4)	1	MADE GROUND: Loose black SAND and GRAVEL of ash and clinker with occasional angular fragments of brick and concrete.				
ES	1.20							
B	1.50 - 2.50							
		N=7 (2,2/2,2,2,1)	2					
		N=4 (2,1/1,1,1,1)	3					
ES	3.20							
		N=1 (1,0/0,0,0,1)	4	*from 4.00m becoming very loose*				
					4.80	95.75		
		N=7 (1,1/1,1,2,3)	5	Soft greenish grey slightly sandy slightly gravelly CLAY/SILT. High plasticity (field description). Gravel is fine to medium angular to sub-angular of sandstone. (ALLUVIUM)	5.00	95.55		
ES	5.40							
D	5.60			Soft low strength brown occasionally mottled grey very sandy very gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-rounded of sandstone. (ALLUVIUM)				
		N=36 (7,7/9,9,9,9)	6		6.00	94.55		
				End of Borehole at 6.00m				
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 6.00m bgl due to collapse. 3. Groundwater not encountered. 4. Ground gas and groundwater monitoring well installed as detailed above. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
100.55m AOD
Easting:
430242173.90
Northing:
394137026.48

Fig No.
SWS20

WINDOW SAMPLING RECORD

BH No. **SWS21**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 09/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel sized fragments of limestone and 10% small voids.	0.19	100.02		
ES	0.30				0.40	99.81		
ES	0.60			MADE GROUND: Grey SAND and GRAVEL of angular limestone. (Sub-base).				
		N=4 (2,1/1,1,1,1)	1	MADE GROUND: Loose black SAND and GRAVEL of ash and clinker with occasional angular fragments of brick and concrete.				
		N=4 (1,1/1,1,1,1)	2					
D	2.50							
		N=4 (1,1/1,1,1,1)	3					
		N=4 (1,1/1,1,1,1)	4					
				from 4.50m slight sheen (possible hydrocarbons)				
ES	4.80							
ES	5.00	N=1 (2,1/0,0,1,0)	5	*at 5.00m PID - 8.2ppm* *from 5.00m becoming very loose*				
				Firm medium strength greenish grey sandy slightly gravelly CLAY/SILT. High plasticity (field description). Gravel is angular to sub-rounded of sandstone. (ALLUVIUM)	5.60	94.61		
ES	5.80							
		N=9 (0,0/0,2,3,4)	6		6.00	94.21		
				End of Borehole at 6.00m				
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 6.00m bgl due to collapse. 3. Groundwater encountered at 4.50m bgl. 4. Ground gas and groundwater monitoring well installed as detailed above. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
100.21m AOD
Easting:
430207937.45
Northing:
394171626.71

Fig No.
SWS21

WINDOW SAMPLING RECORD

BH No. **SWS22**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 09/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel sized fragments of limestone and 10% small voids.	0.28	100.37		
ES	0.80	N=13 (5,4,4,3,3,3)	1	MADE GROUND: Medium dense black SAND and GRAVEL of ash and clinker with occasional angular fragments of brick and concrete. Occasional clayey pockets.				
D	1.80	N=4 (1,1/1,1,1,1)	2	*from 2.00m becoming loose*				
ES	2.80	N=2 (0,0/0,0,1,1)	3	*from 3.50m becoming very loose*				
				Stiff friable grey mottled brown slightly gravelly sandy CLAY/SILT. High plasticity (field description). Gravel is fine to medium of angular to sub-rounded sandstone. (ALLUVIUM)	3.50	97.15		
ES D	3.80 3.90	N=19 (3,3/4,4,5,6)	4	*from 4.00m becoming stiff high strength*				
				Firm brown occasionally mottled grey sandy gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-rounded of sandstone. (ALLUVIUM)	4.50	96.15		
ES D	4.80 4.90	N=21 (5,5/4,4,5,8)	5	*from 5.00m poor recovery - pushing sandstone cobble*				
		50 (25 for 115mm/50 for 180mm)	6	End of Borehole at 6.00m	6.00	94.65		
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 6.00m bgl due to refusal on sandstone cobble. 3. Groundwater not encountered. 4. Ground gas and groundwater monitoring well installed as detailed above. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
100.65m AOD
Easting:
430257593.36
Northing:
394178462.06

Fig No.
SWS22

WINDOW SAMPLING RECORD

BH No. **SWS23**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 08/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
ES	0.30			MADE GROUND: Red/brown slightly clayey SAND and GRAVEL of brick and concrete. High content of angular cobbles of brick and concrete.	0.10	100.17		
D	0.70			MADE GROUND: Dark grey slightly gravelly very sandy CLAY. Low plasticity (field description). Gravel is fine to medium angular of ash, clinker and mudstone with occasional limestone, sandstone, brick, plastic and charcoal fragments.	0.60	99.67		
ES	0.80	N=4 (2,1/1,1,1,1)	1	Soft low strength brown occasionally mottled grey sandy gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-angular of sandstone. (ALLUVIUM)				
D	1.70							
		30.0 N=3 (0,0/0,1,1,1)	2	Very soft very low strength greenish grey slightly gravelly sandy CLAY/ SILT with rare pockets of peat. High plasticity (field description). Gravel is fine to medium of angular to sub-angular sandstone. (ALLUVIUM)	1.90	98.37		
D	2.50							
ES	2.80	20.0 N=5 (1,1/1,1,1,2)	3					
		15.0 N=33 (7,5/6,8,9,10)	4	*from 3.80m becoming brown with increased gravel content*				
				Stiff high strength brown occasionally mottled grey very sandy very gravelly CLAY. Low plasticity (field description). Gravel is angular to sub-angular of sandstone. Low content of angular cobbles of sandstone. (Completely weathered MILLSTONE GRIT FORMATION)	4.50	95.77		
		N=23 (3,4/5,5,6,7)	5					
D	5.60							
		50 (25 for 60mm/50 for 30mm)	6	End of Borehole at 5.80m	5.80	94.47		
			7					
			8					
			9					

Remarks and Water Observations:

1. Borehole terminated at 5.80m bgl due to refusal (assumed bedrock). 2. Groundwater encountered at 4.20m bgl. 3. Hand shear vane results presented as an average of a set of three. 4. Backfilled with arisings upon completion. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 100.27m AOD
Easting: 430298674.30
Northing: 394187427.19

Fig No. SWS23

WINDOW SAMPLING RECORD

BH No. **SWS24**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 11/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: J-C.R | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
ES D	0.25 0.30			MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel sized fragments of limestone and 10% small voids.	0.21	100.45		
				MADE GROUND: Dark grey black clayey sandy sub-angular GRAVEL of brick, concrete and limestone.				
				End of Borehole at 1.00m	1.00	99.66		

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 1.00m bgl (assumed obstruction). 3. Groundwater not encountered. 4. Backfilled arisings upon completion. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
100.66m AOD
Easting:
430281074.63
Northing:
394213836.07

Fig No.
SWS24

WINDOW SAMPLING RECORD

BH No. **SWS26**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 14/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Strong grey reinforced CONCRETE comprising of 70% angular fine to coarse gravel size fragments of limestone and 10% small voids.	0.14	100.97		
ES	0.30							
D	0.50			MADE GROUND: Grey/brown very clayey gravelly SAND. Gravel is angular of sandstone, brick and concrete. High content of angular cobbles of sandstone, brick and concrete.	0.80	100.31		
D	0.90		1					
ES	1.20	N=4 (2,1/1,1,1,1)		MADE GROUND: Soft low strength orange/brown very sandy gravelly CLAY with occasional bands of black clayey SAND and GRAVEL of ash and clinker up to 200mm thick. Low plasticity (field description). Gravel is angular of sandstone. High content of angular cobbles of sandstone and concrete.				
ES	1.80							
		N=5 (2,2/1,1,1,2)	2					
D	2.80							
ES	3.00	N=4 (2,1/1,1,1,1)	3	*between 3.00m and 4.00m poor recovery - pushing cobble*				
		N=2 (2,1/1,0,1,0)	4	*from 4.00m becoming very soft very low strength*				
ES	4.80			Firm brown mottled grey very sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of sandstone. (ALLUVIUM)	4.70	96.41		
		N=39 (25 for 90mm/10,10,9, 10)	5		5.00	96.11		
				End of Borehole at 5.00m				
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Hard standing cored out using 200mm diameter diamond tipped corer. 2. Borehole terminated at 5.00m bgl due to collapse. 3. Groundwater seepage encountered at 1.00m bgl. 4. Backfilled with arisings upon completion. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
101.11m AOD
Easting:
430188688.59
Northing:
394221884.26

Fig No.
SWS26

WINDOW SAMPLING RECORD

BH No. **SWS27**
Sheet 1 of 1

Site: Oughtibridge Mill	Contract No: C6485A
Client: ASE II Developments Ltd	Date: 14/12/2015
Method: Track mounted window sample rig	Scale: 1:47
	Logged By: GB · Checked By: G.H
	Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Scrub vegetation over TOPSOIL comprising soft brown slightly gravelly very sandy CLAY. High plasticity (field description). Gravel is angular of sandstone, brick and concrete.	0.30	101.36		
				MADE GROUND: Grey/brown very clayey gravelly SAND. Gravel is angular of sandstone, brick and concrete. High content of angular cobbles of sandstone, brick and concrete.	1.00	100.66		
				End of Borehole at 1.00m				

Remarks and Water Observations:

1. Borehole terminated at 1.00m bgl due to refusal on brick. 2. Groundwater not encountered. 3. Backfilled with arisings upon completion. 4. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 101.66m AOD
Easting: 430199714.90
Northing: 394265663.96

Fig No. SWS27

WINDOW SAMPLING RECORD

BH No. **SWS27A**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 14/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
				MADE GROUND: Scrub vegetation over TOPSOIL comprising soft brown slightly gravelly very sandy CLAY. High plasticity (field description). Gravel is angular of sandstone, brick and concrete.	0.30	101.37		
				MADE GROUND: Grey/brown very clayey gravelly SAND. Gravel is angular of sandstone, brick and concrete. High content of angular cobbles of sandstone, brick and concrete.	1.00	100.67		
				End of Borehole at 1.00m				

1
2
3
4
5
6
7
8
9

Remarks and Water Observations:

1. Borehole terminated at 1.00m bgl due to refusal on brick. 2. Groundwater not encountered. 3. Backfilled with arisings upon completion. 4. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
101.67m AOD
Easting:
430203543.76
Northing:
394258773.90

Fig No.
SWS27A

WINDOW SAMPLING RECORD

BH No. **SWS27B**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 14/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
ES	0.20			MADE GROUND: Scrub vegetation over TOPSOIL comprising soft brown slightly gravelly very sandy CLAY. High plasticity (field description). Gravel is angular of sandstone, brick and concrete.				
				MADE GROUND: Loose grey/brown very clayey gravelly SAND. Gravel is angular of sandstone, brick and concrete. High content of angular cobbles of sandstone, brick and concrete.	0.50	101.71		
D	0.80							
ES	0.90	N=5 (2,1/1,1,1,2)	1					
		N=7 (4,1/2,2,1,2)	2					
				MADE GROUND: Soft low strength locally firm grey/brown slightly sandy slightly gravelly CLAY with occasional black organic speckling and cobble sized pockets of sand and gravel of ash and brick fragments. High plasticity (field description). Gravel is angular of sandstone and brick. (Possible reworked ALLUVIUM).	2.40	99.81		
ES	2.60							
D	2.70							
		N=7 (3,1/2,2,1,2)	3					
		35.0						
ES	3.60							
		N=7 (1,1/1,2,2,2)	4					
D	4.50	20.0						
				from 4.80m possible natural soils				
ES	4.90							
		N=36 (4,4/5,9,12,10)	5	End of Borehole at 5.00m	5.00	97.21		
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Borehole terminated at 5.00m bgl due to collapse. 2. Groundwater not encountered. 3. Hand shear vane results presented as an average of a set of three. 4. Ground gas and groundwater monitoring well installed as detailed above. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD)
102.21m AOD
Easting:
430213396.50
Northing:
394260682.67

Fig No.
SWS27B

WINDOW SAMPLING RECORD

BH No. **SWS28**
Sheet 1 of 1

Site: Oughtibridge Mill
Contract No: C6485A

Client: ASE II Developments Ltd
Date: 14/12/2015

Method: Track mounted window sample rig
Scale: 1:47

Logged By: GB | Checked By: G.H
Driller: RP Drilling

SAMPLE DETAILS				STRATA RECORD				
Type	Depth From - To(m)	(N) {PID} Shear Vane	Ground-water	Description	Depth (m)	Level (m AOD)	Legend	Well
ES	0.10			MADE GROUND: Scrub vegetation over TOPSOIL comprising soft brown slightly gravelly very sandy CLAY. High plasticity (field description). Gravel is angular of sandstone, brick and concrete.	0.20	102.32		
ES	0.60			MADE GROUND: Firm orange/brown slightly sandy gravelly CLAY. Low plasticity (field description). Gravel is angular of brick and sandstone with rare fragments of wood.				
D	0.80							
		N=6 (1,1/1,2,1,2)	1	MADE GROUND: Soft low strength grey/brown slightly sandy slightly gravelly CLAY/SILT with frequent inclusions of partially decayed paper and rare organic debris. High plasticity (field description). Gravel is angular of sandstone and brick. (Possible reworked ALLUVIUM)	1.00	101.52		
ES	1.50							
D	1.60							
		26.0 N=8 (2,2/2,2,2,2)	2					
ES	2.50							
D	2.60							
		18.0 N=4 (1,1/1,1,1,1)	3	*from 3.00m partially decayed paper absent*				
ES	3.50							
D	3.60							
		N=25 (5,6/6,6,6,7)	4	End of Borehole at 4.00m	4.00	98.52		
			5					
			6					
			7					
			8					
			9					

Remarks and Water Observations:

1. Borehole terminated at 4.00m bgl due to collapse. 2. Groundwater encountered at 1.40m bgl. 3. Hand shear vane results presented as an average of a set of three. 4. Backfilled with arisings upon completion. 5. Ground level and coordinates taken from topographical survey supplied by client.

GL (m AOD) 102.52m AOD
Easting: 430211302.41
Northing: 394295020.55

Fig No. SWS28