

Borehole No.: BH1

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 24/09/2010

End Date: 24/09/2010

				nd Testi	585						Strata
Standpipe nstallation	Sample	-	oths	U100 Blows /	1		s Dep		Legend	Depth / Reduced	Strata Descriptions
	Туре	From (m)	To (m)	SPT 'N'	1,0	3,0	5 , 5	0 ,	Legend	Level	Sidd Description
										0.00	Ground Level
	_ J	0.05							:	=	Firm to stiff green brown fissured CLAY with occasional blue
	- D	0.30			Ш	Н				E	grey partings and shell fragments. (Gault Formation)
	- lD	0.50								E I	
	E ,	0.80								=	
	- Ď	1.00			\vdash	\dashv	+			=	
	- u	1.20	1.65	35						=	
	=								:	E	
	E ,	4.75								=	
	_ D	1.75			\perp	4	+	<u> </u>	·	- 2.00	
	- U	2.00	2.45	36				Ш		=	Very stiff/ hard grey blue fissured silty CLAY with occasional
	_									E	orange brown mottling and many shell fragments. (Gault Formation)
	Ε								_ <u>_</u>	=	romation
	_ D	2.75							<u> </u>	=	
	- u	3.00	3.45	40						E	
	Ε								-xx	=	
	E									=	
	- _D	3.75							××	=	
	- u	4.00	4.45	45		\dashv	_	-		-	DRAFT
	- 0	4.00	4.45	45					**-*	_	
	=									=	
	=								**-× *	=	
	_ D	4.75								- 5.00	
	_ U	5.00	5.45	50		П			·	=	Hard grey fissured silty CLAY with occasional orange brown
	_					-				Ξ	staining on fissures and occasional shells. (Gault Formation)
	=									Ξ	
	- D	5.75							· ·	Ξ	
	- u	6.00	6.45	60		\dashv				_	
	= "	0.00	5.10						**	_	
	=								<u></u>	Ξ	
	Ε_								:	_	
	_ D	6.75			Ш		_		_ <u></u> -	_	
	- U	7.00	7.45	55					x x	=	
	=									_	
	E								x-x x	=	
	_ D	7.75							_ <u>x</u>	=	
	– u	8.00	8.45	55	\Box				× ×	=	
	E									=	
	=									=	
	- - D	8.75			$ \ \ $				_ _	=	
	- U	9.00	9.45	55		-	-	+		_	
	E 0	9.00	9.45	33						=	
	_								<u> </u>	=	
	=	100,40 Mercen.								Ξ	
	_ D	9.75								_	

\Box	e	m	-	-	1	-	
К	ы	ш	0	П	κ.	5	

Borehole cased to 1.8m depth.

Borehole dry on completion.

Excavation Method: Cable Percussion

Borehole Diameter: 150mm

Casing Diameter: 150mm



Borehole No.: BH1

Site Name: Biggins Wood, Folkestone, Kent

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Start Date: 24/09/2010

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Borehole Diameter: 150mm

Casing Diameter: 150mm

		Sa	amples a	nd Testi								Strata
Standpipe Installation	Sample	De	pths	U100	ı			Depth			Depth / Reduced	
	Sample Type	From (m)	To (m)	Blows / SPT 'N'	1,0	, 3	30 ,	5,0	_	Legend	Reduced Level	Strata Descriptions
	U	10.00	10.45	55								Hard grey fissured silty CLAY with occasional orange brown staining on fissures and occasional shells. (Gault Formation)
	_ D	10.75										
	- U	11.00	11.45	50								
	_ _ D	11.75	н							<u> </u>		
=	- υ - - -	12.00	12.45	60								
	_ D	12.75 13.00	13.45	50				+			<u> </u>	
	_								-			
	D	13.75 14.00	14.45	60								
	D	14.75										DRAFT
	- U	15.00 15.45	15.45	60							15.45	
												End of Borehole
					\parallel	-	+	H	-			
Remarks								1_1	1		-	Excavation Method: Cable Percussion



Borehole No.: BH2

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 20/09/2010

End Date: 21/09/2010

		Sa	amples a	nd Testi	2875				Strata			
Standpipe Installation	Sample		oths	U100 Blows /	SPT vs De		.egend	Depth / Reduced Strata Descriptions				
	Туре	From (m)	To (m)	SPT 'N'	10 30 N	50 .	egend	Level	Cuda 2000, passes			
					2			0.00	Ground Level			
	D D	0.30 0.50						- - - - - - 1.00	MADE GROUND: Blue grey and brown clay with occasional fine to medium gravel of brick, chalk, flint and organic matter.			
	D U	1.00 1.20 1.75	1.65	25					MADE GROUND: Relic topsoil and blue grey green silty clay with much organic matter and occasional fine gravel of brick and flint.			
	- U	2.00	2.45	25					with some fine to coarse gravel of chalk, clinker, flint and some dark orange brown staining below 2.7m depth.			
	_ D _ DS _	2.75 3.00	3.45	4	•				MADE GROUND: Red, grey and brown silty clayey fine to coarse sand and gravel of brick, clay tile, concrete and clinker.			
	- - - DS	4.00	4.45	7	•			- - - - - - - 4.50	DRAFT			
	- U - - - - D - DS	5.25 5.50	5.00 5.95	25 9	•	*	x		Firm to stiff blue grey and occasionally orange brown mottled silty CLAY with an organic odour. (Possible Reworked/ Gault Formation)			
	- - - - - - - - - -	6.50	6.95	35			x x x x x x x x x x x x x x x x x x x	- 6.00 - - - - - - -	Very stiff/ hard grey blue fissured silty CLAY with orange brown staining on fissures and occasional shells and selenite crystals. (Gault Formation)			
	- - - - - - - -	7.50 8.00	8.45	35				- - - - - - - - - - - - - - - - - - -				
	_ _ _ _ _ _ _ U	9.00 9.50	9.95	36			x x x x x x x x x x x x x x x x x x x	- - - - - - - - - - - - - - - - - - -	becoming dark grey blue below 9.0m depth.			

Remarks	i,
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Borehole cased to 6.0m depth.

Borehole dry on completion.

Excavation Method: Cable Percussion

Borehole Diameter: 150mm

Casing Diameter: 150mm



Borehole No.: BH2

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 20/09/2010

End Date: 21/09/2010

Borehole Diameter: 150mm

Casing Diameter: 150mm

Diameter.			amples a	nd Testi		 _					Strata
Standpipe nstallation	Sample Type	From	To (m)	U100 Blows / SPT 'N'	1,0		epth 5.0	- 1	Legend	Depth / Reduced Level	Strata Descriptions
	U	11.00	11.45	40			The state of the s				Very stiff/ hard dark grey blue fissured silty CLAY with orange brown staining on fissures and occasional shells and selenite crystals. (Gault Formation)
	D U	12.00 12.50	12.95	45							
	D	13.50		45							
	U 	14.00	14.45	45				П		- - - - - - 15.00	DRAFT
											End of Borehole



Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 23/09/2010 End Date: 23/09/2010

Borehole No.: BH3

		Sa	amples a	nd Testi	ng				Strata
Standpipe Installation	Sample	Dep	oths	U100		vs Depth	Legend	Depth / Reduced	Strata Descriptions
	Туре	From (m)	To (m)	Blows / SPT 'N'	10 :	N 3,0 , 5,0 ,	Legena	Level	Guata Descriptions
								0.00	Ground Level
	- - - - - - - -	0.30 0.50						- - - - - - 1.00	MADE GROUND: Green and brown silty clay (relic topsoil) with occasional fine gravel of brick, flint and much organic matter.
	D U	1.00 1.20 1.75	1.65	35					Firm to stiff green brown silty CLAY. (Gault Formation) becoming stiff to very stiff blue grey and green grey fissured with
	_ U	2.00	2.45	35				 _ _ _ 2.50	pockets of silt nodules below 1.7m depth.
	_ D	2.75 3.00	3.45	40					Very stiff blue grey fissured silty CLAY with orange brown and green staining on fissures and occasional shell fragments and selenite crystals. (Gault Formation)
	D U	3.75 4.00	4.45	40					DRAFT
		5.75	5.45	45					
	U	6.00	6.45	46					
	- U	7.00	7.45	50				- - - - - - - 8.00	
	U L L D	8.00 8.75	8.45	50		81			Hard dark grey fissured silty CLAY with occasional shell fragments. (Gault Formation)
	- υ - - - - -	9.00	9.45	50					
	= D	9.75						=	
Pomark	· · ·								

Remarks:

Borehole cased to 1.8m depth.

Borehole dry on completion.

Excavation Method: Cable Percussion

Borehole Diameter: 150mm

Casing Diameter: 150mm



Borehole No.: BH3

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 23/09/2010

End Date: 23/09/2010

Borehole Diameter: 150mm

Casing Diameter: 150mm

		N7 3PF			_		411	-		20/0	9/2010	Life Date: 23/09/2010
			amples a	nd Testi								Strata
Standpipe Installation	Sample Type	From (m)	To (m)	U100 Blows / SPT 'N'			vs De			Legend	Depth / Reduced Level	Strata Descriptions
	- U	10.00 10.45	10.45	50			П				_ _ 10.45	Hard dark grey fissured silty CLAY with occasional shell fragments. (Gault Formation)
	= -	10.10									=	End of Borehole
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Remark	s:			•								Excavation Method: Cable Percussion



Borehole No.: BH4

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

End Date: 23/09/2010 Start Date: 22/09/2010

100 8505		- 58	amples a	na resu					Strata
Standpipe Installation	Sample		oths	U100 Blows /		PT vs Depth	Legend	Depth / Reduced	Strata Descriptions
	Туре	From (m)	To (m)	SPT 'N'	1,0	30 50	Logona	Level	Sala Sourpaine
								0.00	Ground Level
	0 0	0.30 0.50							MADE GROUND: Brown silty sandy (fine to coarse) clay and fine to coarse gravel of clinker, brick, sandstone, flint, concrete and occasional fragments of metal.
	D DS	1.00 1.20	1.65	11	•				
	- DS	2.00	2.45	6	•			 - - - - 2.60	MADE GROUND: Green brown and dark grey mottled silty very sandy (fine to medium) clay with occasional to some fine to coarse gravel of brick and crystalline rock, a trace of glass and an alluvial odour.
	- - - - -	3.00	3.45	40				- 2.60 - - -	Firm to stiff grey and orange brown mottled fissured silty CLAY with occasional shell fragments. (Gault Formation)
	Ē		0.000011260	0.60-604					
	ם U	3.75 4.00	4.45	35				- 4.00 - -	Very stiff/ hard grey blue fissured silty CLAY with orange brown staining on fissures and occasional shell fragments and selenite
	_ _ _ _ D	4.75	_				X		crystals. (Gault Formation)
	D U	5.00	5.45	40					DRAFT
	- u	5.75 6.00	6.45	40			7-7		
	= = D	6.75					77.		
	D U	7.00	7.45	40					
	_ D	7.75 8.00	8.45	40			77.	E	
	_ _ _ D	8.75						- 8.50 - - -	Hard dark grey fissured silty CLAY with shell fragments. (Gault Formation)
	U	9.00	9.45	45			7-		
	= D	9.75						E	

Borehole cased to 1.8m depth.

Borehole dry on completion.

Excavation Method: Cable Percussion

Borehole Diameter: 150mm

Casing Diameter: 150mm



Borehole No.: BH4

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 22/09/2010

End Date: 23/09/2010

Borehole Diameter: 150mm

Casing Diameter: 150mm

Production of the Control of the Con			amples a	nd Testi								Strata
Standpipe Installation	Sample Type		oths	U100 Blows / SPT 'N'	1		vs D			Legend	Depth / Reduced	Strata Descriptions
	Туре	From (m)	To (m)	SPT 'N'	1,0	, 3	N 0	5,0		Legend	Level	
	= U = D	10.00 10.45	10.45	50							_ _ 10.45	Hard dark grey fissured silty CLAY with shell fragments. (Gault Formation)
	Ē										=	End of Borehole
	=		l a		H	-	4	+	H		<u> </u>	
	Ξ										E	
	E										E	
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	_							Ц	_		-	
Remarks	s:											Excavation Method: Cable Percussion



Borehole No.: BH5

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 23/09/2010

End Date: 23/09/2010

		Sa	amples a	nd Testi			Strata
Standpipe Installation	Sample	Dej	oths	U100	SPT vs Depth	Der Legend Red	th / Strata Descriptions
	Туре	From (m)	To (m)	Blows / SPT 'N'	10 30 50	Legend Red Le	el
						0.	
	D D	0.30 0.50					Very stiff blue grey and occasionally orange brown mottled fissured slightly gravelly silty CLAY. Gravel is fine flint and mudstone. (Gault Formation)
	- - D - U	1.00 1.20	1.65	35			
	- D	1.75					
	_ U	2.00	2.45	40			with occasional bands of very weak mudstone and many shells and selenite crystals below 2.0m depth.
	- - - - -	2.75 3.00	3.45	40			
	=	2.75	920000000	10000			DRAFT
	D U	3.75 4.00	4.45	30			DRAF
	- D	4.75 5.00	5.45	60			becoming very stiff/ hard fissured CLAY below 5.0m depth.
	=	5.00	0.40	00			
	- D - U	5.75 6.00	6.45	50			
	- - - - - - - - -	6.75					
	- U	7.00	7.45	50			
	_ D _ U	7.75 8.00	8.45	50			
		0 ==					
	_ D _ U _	8.75 9.00	9.45	50			
	_ _ D	9.75					

Remarks:

Borehole cased to 1.8m depth.

Borehole dry and stable on completion.

Excavation Method: Cable Percussion

Borehole Diameter: 150mm

Casing Diameter: 150mm



Borehole No.: BH5

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 23/09/2010

End Date: 23/09/2010

Borehole Diameter: 150mm

Casing Diameter: 150mm

01	Samples and Testin					SPT vs Depth					Strata					
Standpipe nstallation	Sample Type	Dep From		U100 Blows / SPT 'N'	1					Depth / Reduced		Strata Descriptions				
	Туре	(m)	To (m)	SPT 'N'	1,0	. 3	ο̈,	50			Level					
	= U = D	10.00 10.45	10.45	50							_ _ _ 10.45	Hard blue grey and orange brown mottled fissured CLAY. (Gaul Formation)				
	=					П					=	End of Borehole				
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Borehole No.: BH6

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

End Date: 22/09/2010 Start Date: 21/09/2010

		Sa	amples a	nd Testi					Strata
Standpipe Installation	Sample	Dep	oths	U100		T vs Depth		Depth /	Strata Descriptions
	Туре	From (m)	To (m)	Blows / SPT 'N'	1,0	3,0 , 5,0 ,	Legend	Reduced Level	Strata Descriptions
			, ,					0.00	Ground Level
	00	0.30 0.50							MADE GROUND: Green grey silty clay with much orange brown silty sandy (fine to coarse) fine to coarse gravel of brick, clinker, flint, chalk and occasional fragments of metal.
	E D	1.00	1 m 1502 7					- 1.20	
	- DS - - - -	1.20	1.65	8					MADE GROUND: Dark grey clayey silty sandy (fine to coarse) fine to coarse gravel of clinker, brick, flint and concrete with a hydrocarbon odour.
	- DS	2.00	2.45	9					
	- W - DS -	2.80 3.00	3.45	10				- 3.00 - - -	MADE GROUND: Black silty sandy (fine to coarse) fine to coars gravel of brick, flint and clinker.
	DS	4.00	4.45	7	•				becoming slightly clayey below 4.0m depth.
	- - - DS	5.00	5.45	5	•			_ _ _ 5.20	with an alluvial / slight hydrocarbon odour at 5.0m depth. Firm blue grey and green brown slightly gravelly silty CLAY with
	=								an alluvial odour. Gravel is fine siltstone. (Possible Reworked/ Gault Formation)
	DS - - - -	6.00	6.45	5					DRAFT
	_ DS	7.00	7.45	6	-0		7-1	- - - - - - - 7.90	
	- U	8.00	8.45	35					Hard blue grey fissured silty CLAY with some shell fragments and selenite crystals. (Gault Formation)
	_ D	8.75	3 1965	90.00				E l	
	- U - -	9.00	9.45	40					
	= D	9.75						_	
							××		

Remarks:

Borehole cased to 3.0m depth.

Groudwater encountered at 3.1m depth; rising to 2.8m in 30 minutes. Standing water level at 2.8m on completion of borehole.

Chiselling techniques used to advance borehole through hard stratum between 4.0m and 5.5m for 1 hour.

Excavation Method: Cable Percussion

Borehole Diameter: 150mm

Casing Diameter: 150mm



Borehole No.: BH6

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 21/09/2010

End Date: 22/09/2010

Borehole Diameter: 150mm

Casing Diameter: 150mm

Standnina			amples a			Tve	Dept	h			Strata
Standpipe nstallation	Sample		oths	U100 Blows /					Legend	Depth / Reduced	Strata Descriptions
	Туре	From (m)	To (m)	Blows / SPT 'N'	10	30	, 50	٠.		Level	
	U	10.00	10.45	50							Hard blue grey fissured silty CLAY with some shell fragments and selenite crystals. (Gault Formation)
	- U	11.00	11.45	50							
	- D - U	11.75 12.00	12.45	50				+			
	_ D _ U	12.75 13.00	13.45	50				+			DRAFT
	_ _ _ D	13.75								_ _ _ _ _ _ 14.00	
	_ U	14.00	14.45	50							Hard blue grey fissured very sandy CLAY. Sand is fine to coarse (Gault Formation)
	_ U _ D	15.00 15.45	15.45	50						 _ _ _ 15.45	
											End of Borehole



Borehole No.: WS1

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 22.09.2010

End Date: 22.09.2010

		Samples a		g		,	Strata
Standpipe Installation	Sample	Dep		Vane/ Pen Test	Legend	Depth / Reduced	Strata Descriptions
	Туре	From (m)	To (m)	N Value		Level	
						0.00	Ground Level
	- J - -	0.05		405		-	Topsoil (20mm) over, Very stiff blue grey and occasional orange brown mottled CLAY. (Gault Formation)
	_ DH	0.30		195 250		-	
	- - - - DDH	0.50		250		-	becoming fissured below 0.70m depth.
200 = 200 200 = 200 200 = 200 200 = 200 200 = 200	— DH - V -	1.00 1.10		115 >130		- - - -	with crystals of selenite below 1.0m depth.
	- - DH - J	1.50 1.60		140		-	
25 0 25 25 25 25 25 25 25 25 25 25 25 25 25	- - - DH - V	2.00 2.10		170 >130		- - - -	DRAFT
	- V - - - DH	2.50		195		- - - -	becoming weak mudstone between 2.40m and 2.75m depth.
	- - J - D - H	2.80 2.90 3.00		195	======	3.00	
	- V - - -	3.10		>130		- - - -	End of Borehole
	- - -					- - - -	
	- - -					- - -	
	- - -					- - -	
Remark	_					-	Everyation Method: Dynamic Sampler

Borehole remained dry and stable on completion.

Standpipe installed to 3.0m depth; 3.0m to 1.0m slotted pipe with gravel surround; 1.0m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted in flush with the ground surface.

Excavation Method: Dynamic Sampler

Borehole Diameter: Various



Borehole No.: WS2

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 22.09.2010

End Date: 22.09.2010

		Samples a	The second second second second	ig			Strata
Standpipe nstallation	Sample		oths —	Vane/ Pen Test	Legend	Depth / Reduced	Strata Descriptions
	Type	From (m)	To (m)	N Value	-	Level	
						0.00	Ground Level
	– J –	0.05				0.20	Topsoil (20mm) over, MADE GROUND: Brown silty sand with occasional fine to
	- D	0.30			******	0.40	coarse gravel of brick, flint and concrete.
						_	MADE GROUND: Brick course.
	- - - JD	0.50		2		- - -	MADE GROUND: Grey brown clay with occasional medium gravel of flint and brick and cobble of stone.
	_ JD	1.00			******	1.10	
	_ н	1.20		>250		-	Very stiff blue grey and occasional brown mottled slightly gravelly CLAY. Gravel is medium siltstone. With crystals of
E	- J	1.40			====	-	selenite. (Gault Formation)
))	_ D	1.50				_	
	- н	1.70		>250		-	DRAFT
	- j	1.80			====		
	D	1.90				2.00	
	- 1					-	End of Borehole
	_					_	
	-					-	
	=	Э				_	
	_					_	
	-					_	
	_					_	
	_					-	
	-					_	
	_					_	
	-		.70			-	
					-	-	
	_						
	-					_	
	_	9				_	
	-					-,	
						_	
	_					_	
	-					-	
	_					_	
	-		-			-	
	1		l				

Borehole remained dry and stable on completion.

Excavation Method: Dynamic Sampler

Borehole Diameter: Various



Borehole No.: WS3

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 22.09.2010

End Date: 22.09.2010

1			Samples a	and Testing	9			Strata
Sta	andpipe tallation	Sample	Dej	pths	Vane/ Pen		Depth / Reduced	
		Sample Type	From (m)	To (m)	Test N Value	Legend	Reduced Level	Strata Descriptions
				, , ,			0.00	Ground Level
		- J	0.05			====	-	Stiff blue grey and orange brown mottled CLAY. (Gault
							_	Formation) becoming very stiff and fissured below 0.60m depth.
		DH	0.30		115	====	-	becoming very sem and resource below of our depart.
		DJH	0.50		225	====	_	
		-				====	-	
		Н	0.80		225	====		
200	= 200	DJV	1.00		>130	====	_	
000	2000	-				== =	-	
ಕ್ಕಿಂದ್		-						
2002	= 200	- - D.I.	4.50		050	===	_	
000		DH	1.50		250	====	-	with many shell fragments below 1.80m depth.
20°5							_	
20°5	= 200	-					_	
200g	= 000 000	. JH V	2.00 2.10		>250 >130	====	_	, and the second
ODOS			2.10		- 100	====	_	DRAFT
20°2	= 2000 = 2000	-					-	DNAFI
200	= 200	DH	2.50		>250	====	_	
500		-2.				====	-	
30°5		J H	2.90 3.00		>250	===		
ನಾಭ	ರೊಂದಿ	V	3.10		>130		3.00	End of Borehole
	-						_	Life of borefice
1							-	
	-						-	
							_	
	-						-	
		_		J.			_	
	-					ŀ	-	
	-					ŀ	-	
	-				= =	-	-	
							_	
	-			1		-	-	
		-					_	

Remark	0.

Borehole remained dry and stable on completion.

Standpipe installed to 3.0m depth; 3.0m to 1.0m slotted pipe with gravel surround; 1.0m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted in flush with the ground surface.

Excavation Method: Dynamic Sampler

Borehole Diameter: Various



Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 20.09.2010

End Date: 20.09.2010

Borehole Diameter: Various

Made By: SG

Borehole No.: WS4

Standpipe			and Testing				Strata
Installation	Sample Type	From	То	Vane/ Pen Test N Value	Legend	Depth / Reduced Level	Strata Descriptions
		(m)	(m)	10.00.00000000		0.00	Ground Level
	– J	0.05			====	-	Stiff brown and dark grey mottled slightly gravelly CLAY. Gravel is flint. (Weathered Gault Formation)
	- D	0.30				-	
	_ D _ D	0.50 0.60				-	
	- _ рн	1.00		115	====	- 1.10	
	_ v _ -	1.10		110		- - -	Stiff dark grey with a little brown mottling slightly gravelly CLAY. Gravel is fine mudstone/ siltstone. (Gault Formation)
	- јн	1.50		210	====	_	becoming fissured with some shell fragments below 1.60m depth.
	- - D - н	1.90 2.00		140	====	2.00	асрии.
	_ "	2.10		>130		-	End of Borehole
	-					- - -	
	- -	5		540		- - -	DRAFT
	- - -					- - -	
	- -					- - -	
		=				- -	
	-	±1 H				- -	
	-			:-		- - -	
	- - -		×			- - -	
	-	y <				- - -	
Remark	(S:						Excavation Method: Dynamic Sampler



Borehole No.: WS5

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

End Date: 20.09.2010 Start Date: 20.09.2010

		Samples a		g			Strata
Standpipe Installation	Sample Type	From (m)	То	Vane/ Pen Test N Value	Legend	Depth / Reduced Level	Strata Descriptions
		(m)	(m)			0.00	Ground Level
	- J -	0.05				-	MADE GROUND: Grey brown clay with a little fine gravel of flint and charcoal. With heavy hydrocarbon staining and odours. becoming orange brown and occasionally dark brown grey
] H	0.40 0.50		>250			mottled slightly sandy with occasional ash below 0.30m depth.
	- D	0.80				_	
	- - - J	1.00		90		-	becoming very sandy with occasional fragments of cables below $1.15 \mathrm{m}$ depth.
	_ _ JDH	1.50		90		1.40	Stiff blue grey and occasional orange brown mottled CLAY. With a little rootlets. (Gault Formation)
2001 200 2001 200 2001 200 2001 200 2001 200 2001 200 2001 200 2001 200	- - - D H - V	2.00 2.10		90 120		- - - - -	with a slight hydrocarbon odour and hydrocarbon staining to 2.0m depth.
	- - - -	2.50		140		- - - - -	DRAFT
202	D -	2.90				3.00	End of Borehole
	-					- - - - - - - - -	
	- (- () - () - () - ()					- - - - -	
Remarks	s:						Excavation Method: Dynamic Sampler

Borehole remained dry and stable on completion.

Standpipe installed to 3.0m depth; 3.0m to 1.0m slotted pipe with gravel surround; 1.0m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted in flush with the ground surface.

Borehole Diameter: Various



Borehole No.: WS6

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 21.09.2010

End Date: 21.09.2010

		Samples a	and Testin	g			Strata
Standpipe Installation	Sample Type	Dep From	oths To	Vane/ Pen Test N Value	Legend	Depth / Reduced Level	Strata Descriptions
	.,,,-	(m)	(m)	N Value			
	- J	0.05				0.00	Ground Level MADE GROUND: Brown clay with much fine to coarse gravel of brick, flint, concrete and chalk. With heavy hydrocarbon
	D	0.30				-	staining.
	_ JD	0.50		400			
	- Н	0.70		130		-	becoming slightly gravelly between 0.60m and 0.90m depth.
66 - 60 S	- _ 1^	1.00		>130			
	- - - J	1.50					DRAFT
	- "	1.00		5		1.80	
	- н	1.90		75		_	Firm blue grey and occasional orange brown mottled CLAY. (Gault Formation)
	- V	2.00 2.10		>130	=====	-	becoming stiff to very stiff below 2.0m depth.
60% = 60 60% = 60 60% = 60	- - н - JD	2.40 2.50		100		-	becoming fissured below 2.40m depth.
	-		- :			-	
	DH	2.90		140	====	3.00	
	_ V - - - -	3.10		>130		- - - - -	End of Borehole
	-					- - -	
	-					-	
	-					- - -	
	-					-	
	_				±	_	
Remark							Excavation Method: Dynamic Sampler

Borehole remained dry and stable on completion.

Standpipe installed to 3.0m depth; 3.0m to 1.0m slotted pipe with gravel surround; 1.0m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted in flush with the ground surface.

Excavation Method: Dynamic Sampler

Borehole Diameter: Various



Borehole No.: WS7

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 20.09.2010

End Date: 20.09.2010

Borehole Diameter: Various

Standpipe Installation			and Testin			Don't /	
Installation	Sample Type	From (m)	To (m)	Vane/ Pen Test N Value	Legend	Depth / Reduced Level	Strata Descriptions
						0.00	Ground Level
	- J -	0.05		405		-	Very stiff brown slightly gravelly CLAY. Gravel is fine to medium mudstone/ siltstone. (Gault Formation)
	_ DH	0.30 0.50		185 >250	=====	-	
	- D	0.90		7200		-	becoming dark grey with a little orange brown mottling towards base.
	- H	1.00		195	====	1.00	
	- V - - -	1.10		>130		- - - -	End of Borehole
	- - - - - - -		,			- - - - - - - - -	DRAFT
	- - - - - - - - -					- - - - - -	
	-					-	



GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS Swanborough Farm

Swanborough Farm Swanborough Lewes, East Sussex BN7 3PF **Borehole No.: WS8**

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 20.09.2010

End Date: 20.09.2010

		Samples a	and Testing	9			Strata
Standpipe Installation	Sample Type	Deg From	pths To	Vane/ Pen Test	Legend	Depth / Reduced	Strata Descriptions
	1,700	(m)	(m)	N Value		Level	
777 V777						0.00	Ground Level
	– J –	0.05			====	-	Stiff blue grey, orange brown and dark grey mottled fissured CLAY with a little rootlets. (Gault Formation)
	DH	0.30		100	====	_	
	_ јрн	0.50		170		- - -	
2000 2000 2000 2000 2000 2000 2000 200	- - - - - -	1.00 1.10		170 >130		-	becoming very stiff brown and grey mottled with some fine to medium gravel of weak mudstone and occasional shell fragments below 0.90m depth.
	- - ЛН -	1.50		195		- - -	
	- - - - - - -	2.00 2.10		225 >130		- - - - -	DRAFT
	- _ ЛН _	2.50		170		- - -	
	- - D - Н	2.90 3.00		170	====	- - 3.00	
							End of Borehole

Remarks:

Borehole remained dry and stable on completion.

Standpipe installed to 3.0m depth; 3.0m to 1.0m slotted pipe with gravel surround; 1.0m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted in flush with the ground surface.

Excavation Method: Dynamic Sampler

Borehole Diameter: Various



Borehole No.: WS9

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 20.09.2010

End Date: 20.09.2010

		Samples a		g			Strata
Standpipe Installation	Sample	Dep		Vane/ Pen		Depth / Reduced	Strate Personalistan
	Туре	From (m)	To (m)	Test N Value	Legend	Reduced Level	Strata Descriptions
		()	(-7			0.00	Ground Level
	- J - - - _D	0.05				- - -	Topsoil with much fine to coarse gravel of brick, flint and clinker.
	- - -	0.50				- - - 0.80	
	– D – Н	0.80 1.00		235	====	1.00	Very stiff dark grey brown slightly gravelly CLAY. Gravel is mudstone/ siltstone. (Gault Formation)
	- - - -					-	End of Borehole
	- - - -					- - - -	DRAFT
	- - - -					- - -	
	- - - -					- - - -	
	- - - -					- - -	
	-					- - -	
	-					- - -	
	- - -					- - -	

Borehole remained dry and stable on completion.

Excavation Method: Dynamic Sampler

Borehole Diameter: Various



Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 20.09.2010

End Date: 20.09.2010

Borehole No.: WS10

		Sam	iples an	d Testing				Strata	
Standpipe Installation	Sample	Dep	ths	Vane/ Pen Blows/100mm		Lancad	Depth /		
	Туре	From (m)	To (m)	N Value	5 15 25	25 Legend Reduced Level			
		V7	(1.7)				0.00	Ground Level	
	– J	0.05					0.10	Topsoil.	
	– D –	0.15					0.20 0.30 0.40	MADE GROUND: Light brown clay with a little fine gravel of brick, clinker and a little roots and rootlets	
	-						0.10	MADE GROUND: Gravel of ash and brick.	
	_ JD	0.50				\bowtie		MADE GROUND: Concrete with clinker at the base.	
	- - -						-	MADE GROUND: Orange brown sand with much fine to coarse gravel of brick, flint, concrete and clinker. becoming dark green stained with a slight	
	- - - 1D	1.00					- - -	hydrocarbon odour and a little fine gravel of brick and concrete below 0.70m depth. with heavy hydrocarbon staining between 1.0m and	
	- 1D -	1.50					- - -	1.30m depth. with a cobble of brick at 1.50m depth.	
0 000							_		
000 = 500 500 = 50	- - D	1.90					-		
93:38		1.90				₩₩	-		
	_ J - -	2.10						DRAFT	
	-						_	becoming light grey green below 3.0m depth.	
	_ J _ -	3.10					_		
	D .	3.50						becoming black sandy fine to coarse gravel of flint	
	-						-	and clinker below 4.0m depth.	
	- J	4.10					_		
	-		: *				-		
-	-						- - - 5.00		

Remarks:

Groundwater seepage at 2.0m depth. Standing water depth at 2.2m depth on completion.

Borehole unstable, collapsing to 2.9m depth.

Dynamic probe undertaken through base of borehole.

Standpipe installed to 3.0m depth; 3.0m to 1.0m slotted pipe with gravel surround; 1.0m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted in flush with the ground surface.

Excavation Method: Dynamic Sampler

Borehole Diameter: Various



Dynamic probe test carried out through the base of the borehole.

Standpipe installed to 3.0m depth; 3.0m to 1.0m slotted pipe with gravel surround; 1.0m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted in flush with the ground surface.

Borehole No.: WS11

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 21.09.2010

End Date: 21.09.2010

Borehole Diameter: Various

		Sam	ples ar	nd Testing		Strata				
Standpipe nstallation	Sample	Dep	ths	Vane/ Pen	DPSH Profile Blows/100mm	Legend	Depth /			
	Туре	From (m)	To (m)	Test N Value	5 , 15 , 25		Reduced Level	Strata Descriptions		
		()	()				0.00	Ground Level		
	- J - - D	100,000					-	MADE GROUND: Brown clay with a little fine gravel of brick, ash and concrete.		
	_ _ _ JD	0.50					- - -			
	_ lD	1.00					-			
100°	_ D	1.20					1.30	MADE GROUND: Dark brown sandy fine gravel of brick and chalk with occasional coarse gravel of		
- 200 - 200 - 200 - 200	J	1.50					-	brick and glass.		
200 200 200 200 200 200 200	- - - - -	2.00					-	with a strong hydrocarbon odour and staining below 2.0m depth.		
200 200 200 200 200 200 200 200 200 200	- - - -	2.50					-	DRAFT		
-000 -000	J	2.90				XXXXX	3.00	End of Borehole		
	-	u)								
	-						-			
Remar	ks: e remaine							Excavation Method: Dynamic Sampler		



Borehole No.: WS12

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 21.09.2010

End Date: 21.09.2010

	Samples and Testing					Strata				
Standpipe Installation	Sample	Dep		Vane/ Pen Test	DPSH Profile Blows/100mm			Strata Descriptions		
	Type	From (m)	To (m)	N Value	5 , 1,5 , 2,5	Legend	Reduced Level	diata bescriptions		
							0.00	Ground Level		
	- J - - D	0.05						MADE GROUND: Orange brown silty clay with a little to some fine to coarse gravel of concrete, brick, flint and clinker.		
	_ J	0.50 0.60					- - - 0.75	becoming grey at the base.		
	_ D _ D	0.80 0.90					- - 1.00	MADE GROUND: Off white/ light brown slightly clayey silt with much gravel of chalk.		
	- - - - J	1.50					-	MADE GROUND: Dark brown slightly sandy clayey fine to medium gravel of brick, flint and concrete.		
	- - - D	2.00					-	DRAFT		
	_ D	2.50 2.60					2.20 	MADE GROUND: Slightly clayey sand with much fine to medium gravel of brick, flint, clinker and chalk. With much hydrocarbon staining and odour.		
	-						- 2.95	Stiff blue grey CLAY. (Gault Formation)		
	>	3.10		>130			_ 3.0	End of Borehole		

Remarks:

Borehole remained dry on completion.

Borehole unstable, collapsing to 2.0m depth.

Standpipe installed to 3.0m depth; 3.0m to 1.0m slotted pipe with gravel surround; 1.0m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted in flush with the ground surface.

Dynamic probe undertaken adjacent to borehole.

Excavation Method: Dynamic Sampler

Borehole Diameter: Various



Borehole No.: WS13

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 22.09.2010

End Date: 22.09.2010

T				J. T				Strata	
Standpipe		Samples and Testing Depths Vane Pop			DPSH Profile				
nstallation	Sample Type	From	To (m)	Vane/ Pen Test N Value	Blows/100mm 5 , 1,5 , 2,5	Legend	Depth / Reduced Level	Strata Descriptions	
		(m)	(11)				0.00	Ground Level	
	- J - D - JD	0.05 0.30 0.50					- - - - - - - - - - - - - - - - - - -	MADE GROUND: Dark grey brown clay with a little fine to coarse gravel of brick, flint, clinker, concrete and wood. with a cobble of brick at 0.80m depth. with a 100mm layer of concrete between 0.80m and 0.90m depth.	
-	- -	1.10					- - - - -	MADE GROUND: Dark brown sand with much fine to coarse gravel of brick, concrete and clinker. DRAFT	
-	- V - J - DH - JH - D	2.00 2.10 2.30 2.60 2.70 2.90		80 90 60			1.90 	MADE GROUND: Blue grey clay with occasional fine to coarse gravel of brick and concrete interbedded with layers of sandy clay. With some staining and slight hydrocarbon odours.	
								End of Borehole	
Remar	ks: e remained	d dry on c	ompletio	n.				Excavation Method: Dynamic Sampler	
Borehole	e unstable	, collapsir	ng to 1.0r	n depth.					
Dynamic	probe tes	st carried	out throu	gh the base	e of the boreh	ole.		Borehole Diameter: Various	
								Made By: SG	



Borehole No.: WS14

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 21 09 2010

End Date: 21 09 2010

Standpipe nstallation	200000000	De	Depths			Depth /	
istallation	Sample Type	From (m)	To (m)	Vane/ Pen Test N Value	Legend	Reduced Level	Strata Descriptions
						0.00	Ground Level
	- J	0.05					MADE GROUND: Brown grey clay with some fine to medium gravel of brick, ash, flint and chalk.
	- D	0.15			******	- 0.25	
	_ J	0.30			\bowtie		MADE GROUND: Pink grey sandy gravel of cement.
	_ D	0.40			\bowtie	0.50	
	-					-	MADE GROUND: Black grey sand with fine to coarse gravel of clinker, brick, flint and occasional cobble of stone.
	- J	0.75			******	-	
	- D	0.90			\bowtie	1.00	
	- - -	1.00				- - - -	MADE GROUND: Brown clay with much fine to medium gravel of brick, flint, ash, concrete and clinker.
	_ lD	1.50			*****	Ξ	
	-				\bowtie	-	
	-				******	- 1	DRAFT
	_ D	1.90			\bowtie		
	_ J	2.00			\bowtie	_	
	_ D -	2.10				-	
	- J	2.40			\bowtie	2.50	
	[I	Terraneri				_	Stiff to very stiff blue grey CLAY. With a strong hydrocarbon
	_ DH	2.60		170		-	odour and staining. (Gault Formation)
	-					-	
	- J	2.90				3.00	
	_					-	End of Borehole
	-					= -	
	-					-	
	-					_	
	-						
						_	
	- 1					-	
	-					-	
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	-					-	
	-				-	-	
	-					-	
				-	-		

Borehole Diameter: Various



Borehole No.: WS15

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 21.09.2010

End Date: 21.09.2010

Standpipe		Sam	ples an	d Testing		Strata			
Standpipe Installation	Sample Type	Dep From	То	Vane/ Pen Test N Value	DPSH Profile Blows/100mm 5 , 15 , 25	Depth / Legend Reduced Level		Strata Descriptions	
		(m)	(m)	14 Value	ψ , ID , ZD		0.00	Ground Level	
	- J - - D	0.05					- - - - 0.40	MADE GROUND: Brown and dark grey mottled clay with a little fine to coarse gravel of brick, concrete, chalk and glass.	
	- JD	0.50					-	MADE GROUND: Brown silty clay with some fine to coarse gravel of brick, flint, concrete and clinker.	
	- -	0.80					- 0.95 - - - - - 1.50	MADE GROUND: Cobbles of concrete, clinker and brick.	
	- - -	1.60						MADE GROUND: Dark brown grey slightly sandy clay with some fine to coarse gravel of brick, ash and clinker.	
	- - - J	2.10					- - - 2.25	DRAFT	
	- D - - - J	2.30					-	MADE GROUND: Dark grey sandy clay with some fine to medium gravel of flint, brick and clinker with cobbles of brick. becoming very sandy with occasional bands of black	
	Ď	2.70					2.80	staining below 2.45m depth. MADE GROUND: Yellow brick.	
	-					\bowtie	3.00	MADE GROUND. Tellow brick.	
							-	End of Borehole	

Remarks:

Borehole remained dry on completion.

Borehole unstable, collapsing to 1.80m depth.

Standpipe installed to 3.0m depth; 3.0m to 1.0m slotted pipe with gravel surround; 1.0m to ground level plain pipe with bentonite seal; completed with gas tap and security cover concreted in flush with the ground surface.

Excavation Method: Dynamic Sampler

Borehole Diameter: Various



Borehole No.: WS16

Site Name: Biggins Wood, Folkestone, Kent

Job No.: LW21271

Start Date: 22.09.2010

End Date: 22.09.2010

						Date: 22.09.2010 End Date: 22.09.2010						
		Samples a		g			Strata					
Standpipe Installation	Sample Type		pths To	Vane/ Pen Test	Legend	Depth / Reduced Level	Strata Descriptions					
	Type	From (m)	(m)	N Value								
		200.000				0.00	Ground Level					
	_ J	0.05			===		Topsoil (10mm) over, Stiff brown and orange brown mottled CLAY. (Gault					
	Ī			00		- 1	Formation)					
	DH D	0.30 0.40		90	====	-	becoming very stiff/ hard blue grey mottled below 0.50m					
	JH	0.50		250			depth.					
	-				===	-	Table 1					
	_ D	0.80										
	Н.	1.00		>250		1.00						
	-		-			-	End of Borehole					
	_					-						
	-					-						
						_						
	-					-						
						_						
	_					-	Marine States on					
						_	DRAFT					
	_					-						
	-					-						
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	-					-						
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	-					-						
	_		=			_						
	-					-						
	-					_						
	E					_						
Remark		dry and sta	ble on com	oletion.			Excavation Method: Dynamic Sampler					
							Borehole Diameter: Various					
							Made By: SG					