AC Soils — Working for **Ian Farmer Associates** and **Tony Bedford Drilling** — Cable Tool Boring Log

Depth m	Drillers Description	Sample Number	Sample Type	Depth, M From	Depth, M To	U/100 Sample Blows	U/100 Sample %	Standard Penetration Test: Self weight	75	75	PEN	75	75	75	75	PEN	N	Casing Depth,M	Water Level,M.
	Mobilise to site Dando 150 drilling	1	**ES**	0.30	x4														
	rig and crew	2	**D**	GL	0.50														
	Set Up @ BH One	3	**ES**	0.75	x4														
	Hand Dig: GL to 1.2m	4	**D**	0.50	1.00														
		5	**SPT**	1.20	1.65				2	3		4	4	5	5		18	1.20	Dry
GL	Orange sandy gravels	6	**D**	1.75	2.00														
0.50	Orange brown chalky clays	7	**U100**	2.00	2.45	60	100%											1.50	Dry
3.50	Grey Boulder clays	8	**D**	2.50															
5.00	Brown mottled clays	9	**SPT**	3.00	3.45				2	3		4	5	6	7		22		
5.50	loose to dense flinty gravelly sands,	10	**D**	3.50	4.00														
	dry and relatively cohesive	11	**U100**	4.00	4.45	60	100%												
		12	**D**	4.50															
		13	**SPT**	5.00	5.45				4	4		5	6	7	7		25		
		14	**Bulk**	5.50	6.00														
		15	**Bulk**	6.00	6.50														
		16	**SPT**	6.50	6.95				5	5		7	7	7	9		30		
		17	**Bulk**	7.00	8.00														
		18	**SPT**	8.00	8.45				7	6		6	6	7	9		28		
		19	**Bulk**	8.50	9.50														
	PAGE 2 FOLLOWS	20	**C/Bulk**	9.50	9.95				5	7		7	9	11	11		38	9.50	Dry
		21	**Bulk**	10.00	11.00														
		22	**C/Bulk**	11.00	11.45				7	7		7	9	9	11		36	10.50	Dry
12.00	End of / Borehole / sheet													End of Borehole / sheet				10.50	-

Inspection Pit Dimensions 0.5mxo.5mx1.2m

Chiseling	From	To	Time
		N/A	

Tool used	

Water Record		
AM	N/A	
Struck		
Depth M		
Casing M		
Inflow		
5		
10		
15		
20		
Depth Sealed		

Water Added	From	To
Depth m	N/A	
Depth M		

Backfill		
Arisings	N/A	

Time spent digging Service pits and installing instruments

Hand dug inspection pit to 1.2m no services encountered

Service Pit	Move	GL to 10m	10m to 20m	Cat scan	SPT	U/100	Jars Tubs	Water sample	Bulks	Dayworks	Standing	Installation	Chiseling	Water
1	1	10.00	2.00	1	7	0	14	0	7	0	0	0	0.00	0

Time	Remarks or details of any addition Testing information, Dayworks

Time	Standing details

Rig type	Dando 150
Driller	Thomas Perrie
Lead Driller	A Carpenter
Site category	Green
Lead Drillers signature.	*A Carpenter*
Engineer	Brendan

Project Title: **Park Lane, Knebworth**

Project No: 52562

Casing Dia	150mm
Borehole position	
N	0
E	0
Sheet	1 OF 2
Day	Friday
Date	September 15, 2017
Borehole Number	One

AC Soils — Working for **Tony Bedford Drilling** and **Ian Farmer Associates** — Cable Tool Boring Log

Depth m	Drillers Description	Sample Number	Sample Type	Depth, M From	Depth, M To	U/100 Sample Blows	U/100 Sample %	Standard Penetration Test: Self weight	75	75	PEN	75	75	75	75	PEN	N	Casing Depth,M	Water Level,M.
	Start of Day: BH 12m, Casing 10.5m	23	**Bulk**	11.50	12.50														
	Water Dry	24	**SPT**	12.50	12.95				3	2		3	3	3	3		12	12.50	12.50
		25	**Bulk**	12.50	16.50														
	Additional casing taken to site	26	**SPT**	16.50	16.95				3	3		3	5	5	8		21	16.50	Dry
		27	**D**	17.50															
12.00	Dense orange flinty gravelly sands	28	**U100**	18.00	18.45	65	100%											16.50	Dry
12.25	Sands and gravels with hard	29	**D**	18.50															
	chalky pieces	30	**SPT**	20.00	20.45				5	4		4	2	4	4		14	16.50	Dry
12.50	**NOTHING, casing and bailer dropped**																		
	and no recovery until 16.5m																		
16.50	Soft putty chalk in a hard chalky																		
	matrix with occassional flint																		
	nodules																		
	Installation Details: (see separate																		
	note)																		
	GL to 1mbgl with 19mm Plain in a																		
	Bentonite seal then,																		
	1m to 12mbgl with 19mm Slotted																		
	in a fine Gravel Filter then spoil																		
	to depth. With push fit end cap/gas																		
	valve and flush cover set in concrete																		
20.00	End of / Borehole / sheet													End of Borehole / sheet				16.50	Dry

Inspection Pit Dimensions 0

Chiseling		
From	To	Time
	N/A	

Tool used	

Water Record		
AM	N/A	
Struck		
Depth M		
Casing M		
Inflow		
5		
10		
15		
20		
Depth Sealed		
Water Added	From	To
Depth m	12.00	12.50
Depth M		

Backfill		
Arisings	19mm	

Time spent digging Service pits and installing instruments

Service Pit	Move	GL to 10m	10m to 20m	Cat scan	SPT	U/100	Jars Tubs	Water sample	Bulks	Dayworks	Standing	Installation	Chiseling	Water
0	0	10.00	10.00	0	3	1	2	0	0	0	0	12	0.00	0

Time	Remarks or details of any addition Testing information, Dayworks

Time	Standing details

Rig type	Dando 150
Driller	Thomas Perrie
Lead Driller	A Carpenter
Site category	Green
Lead Drillers signature.	*A Carpenter*
Engineer	Brendan

Project Title: **Park Lane, Knebworth**

Project No: 52562

Casing Dia	150mm
Borehole position	
N	0
E	0
Sheet	2 OF 2
Day	Saturday
Date	September16,2017
Borehole Number	One